### **Dell Test Event Notification Message Reference**



#### Notes, cautions, and warnings

- () NOTE: A NOTE indicates important information that helps you make better use of your product.
- CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
- MARNING: A WARNING indicates a potential for property damage, personal injury, or death.

Copyright © 2017 Dell Inc. or its subsidiaries. All rights reserved. Dell, EMC, and other trademarks are trademarks of Dell Inc. or its subsidiaries. Other trademarks may be trademarks of their respective owners.

### Contents

1.0 Introduction	10
1.1 FSD000 : "Debug authorized by customer; debugcaps: <debugcaps>, was authorized by: <idrac< th=""><th></th></idrac<></debugcaps>	
User>, at <unblock time=""> for the period: <start time=""> to <end time="">."</end></start></unblock>	11
2.0 Email Event Notification Test Messages	13
2.1 Category: Audit	13
2.1.1 Subcategory : Chassis Management Controller [Prefix : CMC]	13
2.1.2 Subcategory : Debug [Prefix : FSD]	15
2.1.3 Subcategory : Licensing [Prefix : LIC]	16
2.1.4 Subcategory : PCI Device [Prefix : PCI]	17
2.1.5 Subcategory : Power Supply [Prefix : PSU]	18
2.1.6 Subcategory : Power Usage [Prefix : PWR]	18
2.1.7 Subcategory : Software Change [Prefix : SWU]	22
2.1.8 Subcategory : System Info [Prefix : SYS]	22
2.1.9 Subcategory : User Tracking [Prefix : USR]	22
2.2 Category: Configuration	23
2.2.1 Subcategory : Auto-Discovery [Prefix : DIS]	24
2.2.2 Subcategory : IO Identity Optimization [Prefix : IOID]	26
2.2.3 Subcategory : IP Address [Prefix : IPA]	27
2.2.4 Subcategory : Job Control [Prefix : JCP]	27
2.2.5 Subcategory : PCI Device [Prefix : PCI]	
2.2.6 Subcategory : Security Event [Prefix : SEC]	29
2.2.7 Subcategory : Software Config [Prefix : SWC]	29
2.3 Category: Storage	30
2.3.1 Subcategory : Battery Event [Prefix : BAT]	30
2.3.2 Subcategory : Cable [Prefix : CBL]	33
2.3.3 Subcategory : Storage Controller [Prefix : CTL]	
2.3.4 Subcategory : Storage Enclosure [Prefix : ENC]	40
2.3.5 Subcategory : Fan Event [Prefix : FAN]	41
2.3.6 Subcategory : Physical Disk [Prefix : PDR]	42
2.3.7 Subcategory : Power Supply [Prefix : PSU]	50
2.3.8 Subcategory : Security Event [Prefix : SEC]	51
2.3.9 Subcategory : SSD Devices [Prefix : SSD]	52
2.3.10 Subcategory : Storage [Prefix : STOR]	52
2.3.11 Subcategory : Temperature [Prefix : TMP]	53
2.3.12 Subcategory : Virtual Disk [Prefix : VDR]	54
2.4 Category: System Health	63
2.4.1 Subcategory : Amperage [Prefix : AMP]	63
2.4.2 Subcategory : Auto System Reset [Prefix : ASR]	66
2.4.3 Subcategory : Battery Event [Prefix : BAT]	67
2.4.4 Subcategory : Cable [Prefix : CBL]	69
2.4.5 Subcategory : Chassis Management Controller [Prefix : CMC]	69
2.4.6 Subcategory : Processor [Prefix : CPU]	72

(DELL)

	2.4.7 Subcategory : Processor Absent [Prefix : CPUA]	76
	2.4.8 Subcategory : Fan Event [Prefix : FAN]	77
	2.4.9 Subcategory : Fiber Channel [Prefix : FC]	79
	2.4.10 Subcategory : Hardware Config [Prefix : HWC]	
	2.4.11 Subcategory : IO Virtualization [Prefix : IOV]	91
	2.4.12 Subcategory : Link Status [Prefix : LNK]	
	2.4.13 Subcategory : Memory [Prefix : MEM]	
	2.4.14 Subcategory : NIC Configuration [Prefix : NIC]	
	2.4.15 Subcategory : OS Event [Prefix : OSE]	
	2.4.16 Subcategory : PCI Device [Prefix : PCI]	103
	2.4.17 Subcategory : Physical Disk [Prefix : PDR]	110
	2.4.18 Subcategory : System Performance Event [Prefix : PFM]	112
	2.4.19 Subcategory : BIOS POST [Prefix : PST]	
	2.4.20 Subcategory : Power Supply [Prefix : PSU]	
	2.4.21 Subcategory : PSU Absent [Prefix : PSUA]	
	2.4.22 Subcategory : Power Usage [Prefix : PWR]	119
	2.4.23 Subcategory : RAC Event [Prefix : RAC]	
	2.4.24 Subcategory : Redundancy [Prefix : RDU]	
	2.4.25 Subcategory : IDSDM Media [Prefix : RFL]	
	2.4.26 Subcategory : IDSDM Absent [Prefix : RFLA]	124
	2.4.27 Subcategory : IDSDM Redundancy [Prefix : RRDU]	
	2.4.28 Subcategory : Security Event [Prefix : SEC]	
	2.4.29 Subcategory : System Event Log [Prefix : SEL]	
	2.4.30 Subcategory : Software Config [Prefix : SWC]	129
	2.4.31 Subcategory : System Info [Prefix : SYS]	
	2.4.32 Subcategory : Temperature [Prefix : TMP]	131
	2.4.33 Subcategory : Temperature Statistics [Prefix : TMPS]	
	2.4.34 Subcategory : vFlash Event [Prefix : VFL]	
	2.4.35 Subcategory : vFlash Absent [Prefix : VFLA]	
	2.4.36 Subcategory : Voltage [Prefix : VLT]	
	2.5 Category: Updates	
	2.5.1 Subcategory : Firmware Download [Prefix : RED]	
	2.5.2 Subcategory : Software Change [Prefix : SWU]	
<b>z</b> 0	SNMP Tran Event Natification Test Measures	146
5.0	31 Category: Audit	<b>UPI</b>
	311 Subcategory · Chassis Management Controller [Prefix · CMC]	140 1/16
	312 Subcategory : Debug [Prefix : ESD]	140 128
	313 Subcategory : Licensing [Prefix : LIC]	129 129
	314 Subcategory : PCI Device [Prefix : PC]]	
	315. Subcategory : Power Supply [Prefix : PSI]]	151
	316 Subcategory : Power Usage [Prefix : PWR]	
	317 Subcategory : Software Change [Prefix : SWI1]	155 155
	31.8 Subcategory : System Info [Prefix : SYS]	155
	319 Subcategory : User Tracking [Prefix : USR]	155 155
	3.2 Category: Configuration	156
	3.2.1 Subcategory : Auto-Discovery [Prefix : DIS]	

3.2.2 Subcategory : IO Identity Optimization [Prefix : IOID]	159
3.2.3 Subcategory : IP Address [Prefix : IPA]	
3.2.4 Subcategory : Job Control [Prefix : JCP]	160
3.2.5 Subcategory : PCI Device [Prefix : PCI]	
3.2.6 Subcategory : Security Event [Prefix : SEC]	162
3.2.7 Subcategory : Software Config [Prefix : SWC]	
3.3 Category: Storage	
3.3.1 Subcategory : Battery Event [Prefix : BAT]	
3.3.2 Subcategory : Cable [Prefix : CBL]	
3.3.3 Subcategory : Storage Controller [Prefix : CTL]	
3.3.4 Subcategory : Storage Enclosure [Prefix : ENC]	
3.3.5 Subcategory : Fan Event [Prefix : FAN]	177
3.3.6 Subcategory : Physical Disk [Prefix : PDR]	177
3.3.7 Subcategory : Power Supply [Prefix : PSU]	
3.3.8 Subcategory : Security Event [Prefix : SEC]	187
3.3.9 Subcategory : SSD Devices [Prefix : SSD]	188
3.3.10 Subcategory : Storage [Prefix : STOR]	
3.3.11 Subcategory : Temperature [Prefix : TMP]	189
3.3.12 Subcategory : Virtual Disk [Prefix : VDR]	
3.4 Category: System Health	
3.4.1 Subcategory : Amperage [Prefix : AMP]	
3.4.2 Subcategory : Auto System Reset [Prefix : ASR]	
3.4.3 Subcategory : Battery Event [Prefix : BAT]	
3.4.4 Subcategory : Cable [Prefix : CBL]	
3.4.5 Subcategory : Chassis Management Controller [Prefix : CMC]	205
3.4.6 Subcategory : Processor [Prefix : CPU]	
3.4.7 Subcategory : Processor Absent [Prefix : CPUA]	
3.4.8 Subcategory : Fan Event [Prefix : FAN]	
3.4.9 Subcategory : Fiber Channel [Prefix : FC]	
3.4.10 Subcategory : Hardware Config [Prefix : HWC]	
3.4.11 Subcategory : IO Virtualization [Prefix : IOV]	
3.4.12 Subcategory : Link Status [Prefix : LNK]	
3.4.13 Subcategory : Memory [Prefix : MEM]	
3.4.14 Subcategory : NIC Configuration [Prefix : NIC]	
3.4.15 Subcategory : OS Event [Prefix : OSE]	
3.4.16 Subcategory : PCI Device [Prefix : PCI]	
3.4.17 Subcategory : Physical Disk [Prefix : PDR]	
3.4.18 Subcategory : System Performance Event [Prefix : PFIVI]	
3.4.19 Subcategory : BIOS POST [Prefix : PST]	
3.4.20 Subcategory : Power Supply [Prefix : PSU]	
3.4.21 Subcategory : PSU Absent [Ptenx : PSUA]	
3.4.22 Substatements PAC Event [Prefix : PAC]	∠00 ∩⊑0
34.20 Subotogory : Rodundency [Profix : RO]	
34.25 Subcategory : INSDM Modia [Profix · DEL]	208 ງຣຸດ
34.26 Subcategory : IDSDM Absent [Prafix : RFL]	
3/27 Subcategory : IDSDM Redundancy [Profix · PDD11]	200 ົງ <u>ຣ</u> 1
טואראטערער א אראטערער אראראין אראראראראראראראר ארארארא ארא אראיד ארארארא ארא ארא ארא ארא ארא ארא ארא אר	∠01

3.4.28 Subcategory : Security Event [Prefix : SEC]	
3.4.29 Subcategory : System Event Log [Prefix : SEL]	
3.4.30 Subcategory : Software Config [Prefix : SWC]	
3.4.31 Subcategory : System Info [Prefix : SYS]	
3.4.32 Subcategory : Temperature [Prefix : TMP]	
3.4.33 Subcategory : Temperature Statistics [Prefix : TMPS]	
3.4.34 Subcategory : vFlash Event [Prefix : VFL]	
3.4.35 Subcategory : vFlash Absent [Prefix : VFLA]	
3.4.36 Subcategory : Voltage [Prefix : VLT]	
3.5 Category: Updates	
3.5.1 Subcategory : Firmware Download [Prefix : RED]	
3.5.2 Subcategory : Software Change [Prefix : SWU]	
4.0 SysLog Event Notification Test Messages	
4.1 Category: Audit	
4.1.1 Subcategory : Chassis Management Controller [Prefix : CMC]	
4.1.2 Subcategory : Debug [Prefix : FSD]	
4.1.3 Subcategory : Licensing [Prefix : LIC]	
4.1.4 Subcategory : PCI Device [Prefix : PCI]	
4.1.5 Subcategory : Power Supply [Prefix : PSU]	
4.1.6 Subcategory : Power Usage [Prefix : PWR]	
4.1.7 Subcategory : Software Change [Prefix : SWU]	
4.1.8 Subcategory : System Info [Prefix : SYS]	
4.1.9 Subcategory : User Tracking [Prefix : USR]	
4.2 Category: Configuration	
1.21 Substagonus Chassis Management Controllor [Profix : CMC]	200
4.2.1 Subcategory . Chassis Management Controller [Themx . CMC]	
4.2.1 Subcategory : Storage Controller [Prefix : CTL]	
<ul><li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CTL]</li><li>4.2.2 Subcategory : Storage Controller [Prefix : CTL]</li><li>4.2.3 Subcategory : Auto-Discovery [Prefix : DIS]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CTL]</li> <li>4.2.2 Subcategory : Storage Controller [Prefix : CTL]</li> <li>4.2.3 Subcategory : Auto-Discovery [Prefix : DIS]</li> <li>4.2.4 Subcategory : Group Manager [Prefix : GMGR]</li> </ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CTL]</li> <li>4.2.2 Subcategory : Storage Controller [Prefix : CTL]</li> <li>4.2.3 Subcategory : Auto-Discovery [Prefix : DIS]</li> <li>4.2.4 Subcategory : Group Manager [Prefix : GMGR]</li> <li>4.2.5 Subcategory : IO Identity Optimization [Prefix : IOID]</li> </ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CNC]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CNC]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CNC]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CNC]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CNC]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CNC]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Wahagement Controller [Prefix : CTL]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CNC]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CNC]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Ivial agentance Controller [Prefix : CTL]</li></ul>	
<ul> <li>4.2.1 Subcategory : Storage Controller [Prefix : CTL]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Wahagement Controller [Prefix : CTL]</li></ul>	
<ul> <li>4.2.1 Subcategory : Chassis Management Controller [Prefix : CTL]</li></ul>	
<ul> <li>4.2.1 Subcategory : Storage Controller [Prefix : CTL]</li></ul>	
<ul> <li>4.2.1 Subcategory : Criassis Management Controller [Prefix : CTL]</li></ul>	
<ul> <li>4.2.1 Subcategory : Criassis Ivializement Controller [Prefix : CTL]</li></ul>	

4.3.10 Subcategory : Storage [Prefix : STOR]	
4.3.11 Subcategory : Temperature [Prefix : TMP]	
4.3.12 Subcategory : Virtual Disk [Prefix : VDR]	
4.4 Category: System Health	
4.4.1 Subcategory : Amperage [Prefix : AMP]	
4.4.2 Subcategory : Auto System Reset [Prefix : ASR]	
4.4.3 Subcategory : Battery Event [Prefix : BAT]	
4.4.4 Subcategory : Cable [Prefix : CBL]	
4.4.5 Subcategory : Chassis Management Controller [Prefix : CMC]	
4.4.6 Subcategory : Processor [Prefix : CPU]	
4.4.7 Subcategory : Processor Absent [Prefix : CPUA]	
4.4.8 Subcategory : Fan Event [Prefix : FAN]	
4.4.9 Subcategory : Fiber Channel [Prefix : FC]	
4.4.10 Subcategory : Hardware Config [Prefix : HWC]	
4.4.11 Subcategory : IO Virtualization [Prefix : IOV]	
4.4.12 Subcategory : Link Status [Prefix : LNK]	
4.4.13 Subcategory : Memory [Prefix : MEM]	
4.4.14 Subcategory : NIC Configuration [Prefix : NIC]	
4.4.15 Subcategory : OS Event [Prefix : OSE]	
4.4.16 Subcategory : PCI Device [Prefix : PCI]	
4.4.17 Subcategory : Physical Disk [Prefix : PDR]	
4.4.18 Subcategory : System Performance Event [Prefix : PFM]	
4.4.19 Subcategory : BIOS POST [Prefix : PST]	
4.4.20 Subcategory : Power Supply [Prefix : PSU]	
4.4.21 Subcategory : PSU Absent [Prefix : PSUA]	
4.4.22 Subcategory : Power Usage [Prefix : PWR]	405
4.4.23 Subcategory : RAC Event [Prefix : RAC]	
4.4.24 Subcategory : Redundancy [Prefix : RDU]	
4.4.25 Subcategory : IDSDM Media [Prefix : RFL]	410
4.4.26 Subcategory : IDSDM Absent [Prefix : RFLA]	411
4.4.27 Subcategory : IDSDM Redundancy [Prefix : RRDU]	
4.4.28 Subcategory : Security Event [Prefix : SEC]	
4.4.29 Subcategory : System Event Log [Prefix : SEL]	
4.4.30 Subcategory : Software Config [Prefix : SWC]	
4.4.31 Subcategory : System Info [Prefix : SYS]	
4.4.32 Subcategory : Temperature [Prefix : TMP]	
4.4.33 Subcategory : Temperature Statistics [Prefix : TMPS]	
4.4.34 Subcategory : vFlash Event [Prefix : VFL]	
4.4.35 Subcategory : vFlash Absent [Prefix : VFLA]	
4.4.36 Subcategory : Voltage [Prefix : VLT]	
4.5 Category: Updates	
4.5.1 Subcategory : Firmware Download [Prefix : RED]	
4.5.2 Subcategory : Software Change [Prefix : SWU]	438
5.0 Redfish Event Notification Messages.	439
5.1 Category: Audit	
5.1.1 Subcategory : Chassis Management Controller [Prefix : CMC]	

5.1.2 Subcategory : Debug [Prefix : FSD]	441
5.1.3 Subcategory : Licensing [Prefix : LIC]	
5.1.4 Subcategory : PCI Device [Prefix : PCI]	
5.1.5 Subcategory : Power Supply [Prefix : PSU]	444
5.1.6 Subcategory : Power Usage [Prefix : PWR]	
5.1.7 Subcategory : Support Assist [Prefix : SRV]	
5.1.8 Subcategory : System Info [Prefix : SYS]	455
5.1.9 Subcategory : User Tracking [Prefix : USR]	455
5.2 Category: Configuration	
5.2.1 Subcategory : Chassis Management Controller [Prefix : CMC]	458
5.2.2 Subcategory : Auto-Discovery [Prefix : DIS]	
5.2.3 Subcategory : IO Identity Optimization [Prefix : IOID]	
5.2.4 Subcategory : IO Virtualization [Prefix : IOV]	
5.2.5 Subcategory : IP Address [Prefix : IPA]	
5.2.6 Subcategory : Job Control [Prefix : JCP]	
5.2.7 Subcategory : PCI Device [Prefix : PCI]	
5.2.8 Subcategory : Security Event [Prefix : SEC]	
5.2.9 Subcategory : Support Assist [Prefix : SRV]	
5.2.10 Subcategory : Software Config [Prefix : SWC]	
5.3 Category: Storage	
5.3.1 Subcategory : Battery Event [Prefix : BAT]	
5.3.2 Subcategory : Cable [Prefix : CBL]	
5.3.3 Subcategory : Storage Controller [Prefix : CTL]	
5.3.4 Subcategory : Storage Enclosure [Prefix : ENC]	
5.3.5 Subcategory : Fan Event [Prefix : FAN]	
5.3.6 Subcategory : Physical Disk [Prefix : PDR]	
5.3.7 Subcategory : Power Supply [Prefix : PSU]	
5.3.8 Subcategory : Security Event [Prefix : SEC]	
5.3.9 Subcategory : SSD Devices [Prefix : SSD]	490
5.3.10 Subcategory : Storage [Prefix : STOR]	
5.3.11 Subcategory : Temperature [Prefix : TMP]	
5.3.12 Subcategory : Virtual Disk [Prefix : VDR]	
5.4 Category: System Health	
5.4.1 Subcategory : Amperage [Prefix : AMP]	
5.4.2 Subcategory : Auto System Reset [Prefix : ASR]	
5.4.3 Subcategory : Battery Event [Prefix : BAT]	
5.4.4 Subcategory : Cable [Prefix : CBL]	
5.4.5 Subcategory : Chassis Management Controller [Prefix : CMC]	508
5.4.6 Subcategory : Processor [Prefix : CPU]	
5.4.7 Subcategory : Processor Absent [Prefix : CPUA]	
5.4.8 Subcategory : Fan Event [Prefix : FAN]	515
5.4.9 Subcategory : Fiber Channel [Prefix : FC]	517
5.4.10 Subcategory : Hardware Config [Prefix : HWC]	
5.4.11 Subcategory : IO Virtualization [Prefix : IOV]	530
5.4.12 Subcategory : Link Status [Prefix : LNK]	
5.4.13 Subcategory : Memory [Prefix : MEM]	532
5.4.14 Subcategory : NIC Configuration [Prefix : NIC]	

	5.4.15 Subcategory : OS Event [Prefix : OSE]	542
	5.4.16 Subcategory : PCI Device [Prefix : PCI]	.542
	5.4.17 Subcategory : Physical Disk [Prefix : PDR]	.549
	5.4.18 Subcategory : System Performance Event [Prefix : PFM]	551
	5.4.19 Subcategory : BIOS POST [Prefix : PST]	. 552
	5.4.20 Subcategory : Power Supply [Prefix : PSU]	. 552
	5.4.21 Subcategory : PSU Absent [Prefix : PSUA]	557
	5.4.22 Subcategory : Power Usage [Prefix : PWR]	.558
	5.4.23 Subcategory : RAC Event [Prefix : RAC]	. 562
	5.4.24 Subcategory : Redundancy [Prefix : RDU]	. 562
	5.4.25 Subcategory : IDSDM Media [Prefix : RFL]	.563
	5.4.26 Subcategory : IDSDM Absent [Prefix : RFLA]	.564
	5.4.27 Subcategory : IDSDM Redundancy [Prefix : RRDU]	. 566
	5.4.28 Subcategory : Security Event [Prefix : SEC]	.566
	5.4.29 Subcategory : System Event Log [Prefix : SEL]	567
	5.4.30 Subcategory : Support Assist [Prefix : SRV]	.569
	5.4.31 Subcategory : Software Config [Prefix : SWC]	577
	5.4.32 Subcategory : System Info [Prefix : SYS]	579
	5.4.33 Subcategory : Temperature [Prefix : TMP]	.579
	5.4.34 Subcategory : Temperature Statistics [Prefix : TMPS]	. 584
	5.4.35 Subcategory : vFlash Event [Prefix : VFL]	.584
	5.4.36 Subcategory : vFlash Absent [Prefix : VFLA]	.585
	5.4.37 Subcategory : Voltage [Prefix : VLT]	. 585
5.5	5 Category: Updates	. 592
	5.5.1 Subcategory : Firmware Download [Prefix : RED]	. 592
	5.5.2 Subcategory : Software Change [Prefix : SWU]	. 597

D&LI

### **1.0 Introduction**

The Test Event Generation Message Reference contains the notification message content generated by the Dell iDRAC8 with Lifecycle Controller using the Test Event Generation feature for the following event action notification types:

- Email
- · SNMP
- Remote Syslog
- Redfish

The message content is error and event information generated by firmware and other agents that monitor system components. Not all event messages produced by the iDRAC8 instrumentation are available as notification event actions. This document is organized by event action notification type and each section contains the event messages that are possible to generate for that particular type.

The message content contained within this reference document is generated when utilizing the iDRAC8 Test Event Generation feature. The organization of this document is meant to be a quick reference of only those messages that support the Remote Syslog logging, email alerting, and SNMP trap alerting. See the Dell Event Message Reference for a complete listing of all event messages:

#### http://en.community.dell.com/techcenter/systems-management/w/wiki/1979.lifecycle-controller.aspx

Some messages contain substitution arguments that are normally populated by instrumentation when an event actually occurs. The iDRAC8 Test Event Generation feature causes pre-defined values to be populated in the event notification that is generated as a result of using the feature. Examples of values used as substitution in the test messages include device names, device numbers, IP addresses, start and end times. The values used for the iDRAC8 Test Event Generation feature are explicitly listed with each message.

### 1.1 FSD000 : "Debug authorized by customer; debugcaps: <DebugCaps>, was authorized by: <iDRAC User>, at <unblock time> for the period: <start time> to <end time>."

When event is generated, message will have the following substitutions:

- < DebugCaps> = "DebugCaps"
- · < iDRAC User> = "iDRAC User"
- < unblock time> = "unblock time"
- < start time> = "start time"
- $\cdot$  < end time> = " end time"

Generally, each event consists of the following fields:

Message ID	The unique alphanumeric identifier for the event. This identifier can be up to eight characters long and consists o two parts:		
	Message ID Prefix	Up to four alphabetic characters.	
	Message ID Sequence	Up to four numeric digits.	
Message	The message text that	is displayed to the user or logged as a result of the event.	
	If the message has variable content in it, the variable substitution is reflected by text in <i>italics</i> . These substitution variables are described in the <b>Arguments</b> field of the event.		
Arguments	Describes the values for any substitution variables appearing in the event message text. If there is no variable content in the message, this field is omitted from the event description.		
Detailed Description	<b>n</b> Additional information describing the event.		
Recommended Response Action	The recommended action to be taken to remedy the event described. The response action can vary based on the specific platform.		
Category	Dell Lifecycle Controller log filter used to select a subset of messages from different domains or agents.		
Subcategory	Additional filter to further subset the event.		
Trap/EventID	The identification number used as the Trap ID for SNMP alert traps and as the Event ID when the message is logged in operating system logs.		
Severity	The classification of th	e event based on its impact to the platform or system. The severity can be:	
	Severity 1 Critical	Indicates a catastrophic production problem that might severely impact production systems or components, or systems are down or not functioning.	
	Severity 2 Warning	Indicates a high-impact problem where a system or component is disrupted but can remain productive and perform business-level operations.	
	Severity 3 Information	Indicates a medium-to-low impact problem that involves a partial or non-critical loss of functionality; operations are impaired but can continue to function.	

#### LCD Message The event message text that is displayed on the system's LCD.

### 2.0 Email Event Notification Test Messages

#### Topics:

- Category: Audit
- Category: Configuration
- Category: Storage
- Category: System Health
- Category: Updates

### 2.1 Category: Audit

2.1.1 Subcategory : Chassis Management Controller [Prefix : CMC]

2.1.1.1 CMC8507 : "Extended Storage for primary CMC and secondary CMC synchronization is complete."

2.1.1.2 CMC8509 : "Unable to activate the extended storage feature on the secondary CMC: <cmc number>. The feature will be deactivated."

When event is generated, message will have the following substitutions:

<cmc number> = "2"

# 2.1.1.3 CMC8510 : "Unable to activate the extended storage feature on the secondary CMC: <cmc number>. The feature will return to single CMC mode."

When event is generated, message will have the following substitutions:

<cmc number> = "2"

DELL

2

2.1.1.4 CMC8511 : "Unable to synchronize the data in the Extended Storage removable flash media in the primary and secondary CMCs."

2.1.1.5 CMC8512 : "The Extended Storage feature activation timed out. The feature is not active."

2.1.1.6 CMC8513 : "The Extended Storage feature activation on the secondary CMC timed out. The feature is being returned to single CMC mode."

2.1.1.7 CMC8535 : "Unable to turn on High Power Management for the server <slot number>"

When event is generated, message will have the following substitutions:

# 2.1.1.8 CMC8571 : "The coin cell battery in the primary CMC is not working."

#### 2.1.1.9 CMC8572 : "The coin cell battery in CMC <slot id> is not working."

When event is generated, message will have the following substitutions:

. <slot id> = "1"

2.1.1.10 CMC8575 : "The RAC SSL Certificate is changed."

2.1.1.11 CMC8576 : "The RAC CA Certificate is changed."

2.1.1.12 CMC8577 : "The Remote Access Controller (RAC) Kerberos Keytab is changed."

2.1.1.13 CMC8578 : "The Remote Access Controller (RAC) SSL Certificate and key is changed."

2.1.1.14 CMC8579 : "Unable to upload the security certificate because of an Unexpected Event issue in the Remote Access Controller (RAC)."

### 2.1.2 Subcategory : Debug [Prefix : FSD]

2.1.2.1 FSD000 : "Debug authorized by customer; debugcaps: <DebugCaps>, was authorized by: <iDRAC User>, at <unblock time> for the period: <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- · <iDRAC User> = "iDRAC User"
- <start time> = "start time"
- <end time> = " end time"

# 2.1.2.2 FSD001 : "Debug authorized by Dell; debugcaps: <DebugCaps>, at <grant time>, was authorized by Dell employee: <Dell employee>, for the time period <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- <grant time> = "grant time"
- · <Dell employee> = "Dell employee"
- <start time> = "start time"
- <end time> = "end time"

# 2.1.2.3 FSD002 : "Debug authorization failed; for debugCaps: <DebugCaps>, authorized by iDRAC user: <IDRAC user>, and Dell

## employee: <Dell employee>, at <unblock time> for the period: <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- <IDRAC user> = "IDRAC user"
- · <Dell employee> = "Dell employee"

- end time> = "end time"

### 2.1.3 Subcategory : Licensing [Prefix : LIC]

## 2.1.3.1 LIC201 : "License <entitlement ID> assigned to device <device name> expires in <number of days> days."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"
- <number of days> = "5"

#### 2.1.3.2 LIC203 : "The license <entitlement ID> has encountered an error."

When event is generated, message will have the following substitutions:

<entitlement ID> = "DE0000000825991"

### 2.1.3.3 LIC206 : "EULA warning: Importing license <entitlement ID> may violate the End-User License Agreement."

When event is generated, message will have the following substitutions:

• <entitlement ID> = "DE0000000825991"

## 2.1.3.4 LIC207 : "License <entitlement ID> on device <device name> has expired."

- <entitlement ID> = "DE0000000825991"

# 2.1.3.5 LIC208 : "License <entitlement ID> imported to device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"

# 2.1.3.6 LIC209 : "License <entitlement ID> exported from device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"

## 2.1.3.7 LIC210 : "License <entitlement ID> deleted from device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"

#### 2.1.3.8 LIC211 : "The iDRAC feature set has changed."

#### 2.1.3.9 LIC212 : "The CMC features are changed."

### 2.1.3.10 LIC213 : "A system error was detected during License Manager startup."

### 2.1.4 Subcategory : PCI Device [Prefix : PCI]

# 2.1.4.1 PCI5009 : "The PCIe adapter in the PCIe slot<PCIe slot number> was removed from the slot while the server<server slot number> was turned-on."

- <PCle slot number> = "1"
- <server slot number> = "1"

### 2.1.5 Subcategory : Power Supply [Prefix : PSU]

### 2.1.5.1 PSU8505 : "Unable to set the chassis redundancy policy to AC Redundancy."

### 2.1.5.2 PSU8512 : "Unable to update the firmware for the PSU in slot <slot number>. Error=0x<error number> (<error string>)"

When event is generated, message will have the following substitutions:

<slot number> = "1"

<error number> = "99"

<error string> = "Test"

### 2.1.5.3 PSU8513 : "Unable to complete the PSU slot <number> firmware update. Error=0x<error number>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- <error number> = "99"

#### 2.1.5.4 PSU8518 : "Unable to access the PSU <slot number> FRU data."

When event is generated, message will have the following substitutions:

### 2.1.5.5 PSU8521 : "PSU <slotnum> exceeded upper temperature threshold and has been turned off."

When event is generated, message will have the following substitutions:

### 2.1.6 Subcategory : Power Usage [Prefix : PWR]

### 2.1.6.1 PWR8552 : "Chassis Management Controller is unable to turn on <component name>-<component id> because of insufficient power."

When event is generated, message will have the following substitutions:

• <component name> = "Server"

#### 2.1.6.2 PWR8555 : "Chassis Management Controller unable to turn on <component name>-<slot number> at priority <priority number> because

#### of insufficient power. Minimum power needed is <min power> AC Watt, but only <available power> AC Watt is available."

When event is generated, message will have the following substitutions:

- <component name> = "Server"
- · <priority number> = "2"
- . <min power> = "100"
- <available power> = "50"

### 2.1.6.3 PWR8556 : "Server <slot number> was shutdown due to insufficient power."

When event is generated, message will have the following substitutions:

## 2.1.6.4 PWR8560 : "Unable to turn on I/O Module <IOM slot name> due to insufficient chassis power."

When event is generated, message will have the following substitutions:

· <IOM slot name> = "Switch-1"

### 2.1.6.5 PWR8561 : "Unable to power on server <server number> because of iDRAC communication issue."

When event is generated, message will have the following substitutions:

### 2.1.6.6 PWR8563 : "Unable to turn on Server <server number> due to I/O fabric inconsistency."

When event is generated, message will have the following substitutions:

## 2.1.6.7 PWR8564 : "Unable to turn on the Server <slot number> because the power request exceeded the System Input Power Cap."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 2.1.6.8 PWR8565 : "Unable to turn off the Server <server number> due to iDRAC communication issue."

When event is generated, message will have the following substitutions:

# 2.1.6.9 PWR8573 : "The Chassis Management Controller is unable to communicate to the iDRAC, when trying to turn off the server <server id>."

When event is generated, message will have the following substitutions:

. <server id> = "1"

# 2.1.6.10 PWR8574 : "The Chassis Management Controller is unable to communicate to the iDRAC, when trying to hard reset the server <slot number>."

When event is generated, message will have the following substitutions:

# 2.1.6.11 PWR8578 : "Chassis Management Controller is unable to turn on the iDRAC on server-<slot number> because power required is less than available power."

When event is generated, message will have the following substitutions:

### 2.1.6.12 PWR8591 : "Servers are turned off to allocate power to the newly inserted hard disk drives."

## 2.1.6.13 PWR8597 : "The Power Supply Unit (PSU) <PSU number> is turned off because it is not supported by the Chassis."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

# 2.1.6.14 PWR8598 : "The Power Supply Unit (PSU) <PSU number> is turned off because it is not compatible with the other PSUs used in the Chassis."

#### 2.1.6.15 PWR8655 : "Chassis Management Controller (CMC) is unable to turn on the component <component name>-<slot number> because of insufficient power. The minimum required power is <min power> AC Watts, but only <available power> AC Watts is available."

When event is generated, message will have the following substitutions:

- <slot number> = "1"
- . <min power> = "100"
- <available power> = "50"

# 2.1.6.16 PWR8656 : "Chassis Management Controller (CMC) is unable to turn on the component <component name>-<slot number> because of insufficient power."

When event is generated, message will have the following substitutions:

- · <component name> = "Server"

#### 2.1.6.17 PWR8663 : "Unable to turn on the server <server number> because of an inconsistency between the I/O module and mezzanine card."

When event is generated, message will have the following substitutions:

<server number> = "1"

## 2.1.6.18 PWR8669 : "Unable to turn on the server <server number> because of an inconsistency between the chassis and server components."

When event is generated, message will have the following substitutions:

• <server number> = "1"

# 2.1.6.19 PWR8670 : "Unable to turn on server<slot ID> because the required power <power level> AC Watts exceeds the subsystem Connector Limit <power limit> AC Watts for IO modules, Blowers and Servers."

When event is generated, message will have the following substitutions:

<slot ID> = "1"

- v <power level> = "200"
- <power limit> = "100"

## 2.1.6.20 PWR8671 : "The Chassis Management Controller is unable to set the Enhanced Cooling Mode because the requested power < requested

### power level> AC Watts exceeds the subsystem power limit <power limit> AC Watts for IO Modules, Blowers and Servers."

When event is generated, message will have the following substitutions:

• <requested power level> = "200"

• <power limit> = "100"

### 2.1.7 Subcategory : Software Change [Prefix : SWU]

2.1.7.1 SWU8663 : "Unable to downgrade the firmware version because the Federal Information Processing Standard (FIPS) mode is enabled on Chassis Management Controller (CMC)."

### 2.1.8 Subcategory : System Info [Prefix : SYS]

2.1.8.1 SYS1000 : "System is turning on."

2.1.8.2 SYS1001 : "System is turning off."

2.1.8.3 SYS1002 : "System is performing a power cycle."

2.1.8.4 SYS1003 : "System CPU Resetting."

### 2.1.9 Subcategory : User Tracking [Prefix : USR]

## 2.1.9.1 USR0034 : "Login attempt alert for <username> from <IP Address> using <interface name>, IP will be blocked for <seconds> seconds."

When event is generated, message will have the following substitutions:

- <IP Address> = "10.10.10.10"
- · <interface name> = "RACADM"
- seconds> = "300"

## 2.1.9.2 USR0175 : "The Front Panel USB Port Over Current is detected for the attached device on Disk.USBFront.<port number>."

### 2.2 Category: Configuration

### 2.2.1 Subcategory : Auto-Discovery [Prefix : DIS]

2.2.1.1 DIS100 : "The AutoConfig operation is successful."

2.2.1.2 DIS101 : "The execution of AutoConfig operation is started."

2.2.1.3 DIS102 : "Unable to start the AutoConfig import operation, because the AutoConfig import file is not available."

2.2.1.4 DIS103 : "The AutoConfig operation is unable to access a network share folder, because incorrect credentials are specified in the DHCP scope option field where the VendorID=iDRAC."

2.2.1.5 DIS104 : "The AutoConfig operation is unable to access the network share folder, because an invalid filename is specified in the DHCP scope option field where the VendorID=iDRAC."

2.2.1.6 DIS105 : "The AutoConfig operation is unable to access the network share folder, because an invalid sharetype value is specified in the DHCP scope option field where the VendorID=iDRAC."

2.2.1.7 DIS106 : "Unable to start the AutoConfig file import operation, because an invalid shutdown type was specified in the DHCP scope option field where the VendorID=iDRAC."

2.2.1.8 DIS107 : "Unable to start the AutoConfig file import operation, because an invalid AutoConfig time-to-wait value is specified in the DHCP scope option field where the VendorID=iDRAC."

2.2.1.9 DIS108 : "Unable to start the AutoConfig import operation, because Lifecycle Controller is not enabled."

2.2.1.10 DIS109 : "Unable to start the AutoConfig file import operation, because an invalid End Host Power State value is specified in the DHCP scope option field where the VendorID=iDRAC."

2.2.1.11 DIS110 : "The AutoConfig operation is completed."

24211.12 DIS111 Mether AutoConfig operation is started."

2.2.1.13 DIS112 : "The AutoConfig operation is using the <file name> file."

DELL

# 2.2.1.14 DIS113 : "Unable to start the AutoConfig file import operation, because no options were specified in the DHCP scope option field where the VendorID=iDRAC."

2.2.1.15 DIS114 : "The AutoConfig feature timed out while waiting for Remote Services to be ready."

2.2.1.16 DIS115 : "Unable to start the AutoConfig file import operation, because no options were specified in the DHCP scope option field where the VendorID=iDRAC."

2.2.1.17 DIS116 : "Unable to complete the AutoConfig operation because the parameter <parameter name> is not of flag type, which is causing a syntax error."

When event is generated, message will have the following substitutions:

· <parameter name> = "param"

## 2.2.1.18 DIS118 : "Unable to complete the AutoConfig operation because the flag <flag name> is not recognized, which is causing a syntax error."

When event is generated, message will have the following substitutions:

• <flag name> = "flag2"

## 2.2.1.19 DIS119 : "The AutoConfig operation Timeout value is set to <num> minutes."

When event is generated, message will have the following substitutions:

. <num> = "num1"

# 2.2.1.20 DIS120 : "Unable to start the AutoConfig import operation because the AutoConfig import file, <file name>, is not available."

When event is generated, message will have the following substitutions:

<file name> = "filename1"

DELL

### 2.2.2 Subcategory : IO Identity Optimization [Prefix : IOID]

## 2.2.2.1 IOID110 : "The virtual address of <controller> Port <port> is configured."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"
- . <port> = " 1"

#### 2.2.2.2 IOID111 : "Unable to configure the virtual address of <controller> Port <port>."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"

### 2.2.2.3 IOID112 : "The initiator properties of the <Controller> Port <Port> are successfully configured."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = " 1"

#### 2.2.2.4 IOID113 : "Unable to configure the initiator properties of <Controller> Port <Port>."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = " 1"

### 2.2.2.5 IOID114 : "The target settings properties of the <controller> Port <port> are successfully configured."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"
- ort> = " 1"

#### 2.2.2.6 IOID115 : "Unable to configure the target settings properties of the <controller> Port <port>."

2.2.2.7 IOID116 : "Applying I/O Identity settings based on current persistence policy settings."

2.2.2.8 IOID117 : "The operation to apply I/O Identity settings based on current persistence policy settings has completed successfully."

2.2.2.9 IOID118 : "Unable to configure some or all I/O Identity settings based on current persistence policy settings."

2.2.2.10 IOID119 : "FlexAddress is enabled on all NIC and FC HBA devices."

### 2.2.3 Subcategory : IP Address [Prefix : IPA]

# 2.2.3.1 IPA0100 : "The iDRAC IP Address changed from <old IP Address> to <new IP Address>."

When event is generated, message will have the following substitutions:

### 2.2.4 Subcategory : Job Control [Prefix : JCP]

# 2.2.4.1 JCP027 : "The (installation or configuration) job <job ID> is successfully created on iDRAC."

When event is generated, message will have the following substitutions:

• <job ID> = "JID\_123456789012"

# 2.2.4.2 JCP037 : "The (installation or configuration) job <job ID> is successfully completed."

When event is generated, message will have the following substitutions:

· <job ID> = "JID\_123456789012"

# 2.2.4.3 JCP038 : "Unable to run the (installation or configuration) job <job ID> because <reason>."



. <reason> = " why"

### 2.2.5 Subcategory : PCI Device [Prefix : PCI]

## 2.2.5.1 PCI5001 : "A PCIe card carrier containing a PCIe card is inserted in PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

## 2.2.5.2 PCI5002 : "A PCIe card carrier that does not contain a PCIe card is inserted in the PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

<slot number> = "1"

# 2.2.5.3 PCI5003 : "A PCIe card carrier is removed from the PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

### 2.2.6 Subcategory : Security Event [Prefix : SEC]

2.2.6.1 SEC0700 : "Warning: Default username and password are currently in use. It is strongly recommended to change the default password before configuring the property. Else, it causes a severe security risk for iDRAC."

### 2.2.7 Subcategory : Software Config [Prefix : SWC]

2.2.7.1 SWC0078 : "The server has been successfully removed from Integrated Data Center."

2.2.7.2 SWC0079 : "iDRAC entered into Integrated Data Center Troubleshooting Mode."

2.2.7.3 SWC0080 : "iDRAC exited from Integrated Data Center Troubleshooting Mode."

2.2.7.4 SWC0081 : "Integrated Data Center mode enabled."

2.2.7.5 SWC0082 : "Unable to join Integrated Data Center network."

2.2.7.6 SWC0083 : "The iDRAC is successfully removed from the Integrated Data Center network."

2.2.7.7 SWC0084 : "The iDRAC successfully joined Integrated Data Center network."

2.2.7.8 SWC0085 : "The Integrated Data Center mode is disabled."

2.2.7.9 SWC0086 : "The Integrated Data Center Public IP mode is enabled."

2.2.7.10 SWC0087 : "The Integrated Data Center Public IP mode is disabled."

2.2.7.11 SWC8623 : "Unable to save the I/O Aggregator configuration in



#### <slot id>."

When event is generated, message will have the following substitutions:

. <slot id> = "2"

### 2.2.7.12 SWC8624 : "The network communication session between CMC and I/O Aggregator cannot be started on <slot id>."

When event is generated, message will have the following substitutions:

< <slot id> = "2"

### 2.3 Category: Storage

### 2.3.1 Subcategory : Battery Event [Prefix : BAT]

#### 2.3.1.1 BAT1000 : "Battery on <controller name> is missing."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.1.2 BAT1001 : "Battery on <controller name> was replaced."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.3 BAT1002 : "The battery on <controller name> learn cycle has started."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.4 BAT1003 : "The battery on <controller name> learn cycle has completed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

# 2.3.1.5 BAT1008 : "Write policy on <controller name> was changed to Write Through."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.6 BAT1009 : "Write policy on <controller name> was changed to Write Back."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.7 BAT1021 : "The charge level for the battery on <controller name> is below the normal threshold."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.8 BAT1023 : "The charge level for the battery on <controller name> is within normal limits."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.1.9 BAT1024 : "Errors detected with battery on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.10 BAT1025 : "<controller name> is unable to recover cached data from the Battery Backup Unit (BBU)."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.11 BAT1026 : "The <controller name> has recovered cached data from the Battery Backup Unit (BBU)."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

# 2.3.1.12 BAT1027 : "The battery on <controller name> completed a charge cycle."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.1.13 BAT1028 : "The battery voltage on <controller name> is low."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

## 2.3.1.14 BAT1029 : "The battery on <controller name> can no longer recharge."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.15 BAT1031 : "The battery temperature on <controller name> is above normal."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.16 BAT1032 : "The battery temperature on <controller name> is normal."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.1.17 BAT1033 : "The battery on <controller name> was removed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.1.18 BAT1034 : "The battery properties for <controller name> have changed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

# 2.3.1.19 BAT1037 : "A battery is detected on the Controller <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.2 Subcategory : Cable [Prefix : CBL]

### 2.3.2.1 CBL0008 : "One or more cables are missing from <controller name>."

When event is generated, message will have the following substitutions:

<controller name> = "RAID Controller in Chassis Slot 5"

### 2.3.3 Subcategory : Storage Controller [Prefix : CTL]

#### 2.3.3.1 CTL1 : "Controller event log: <message>"

When event is generated, message will have the following substitutions:

• <message> = "A foreign configuration was detected on RAID Controller in Slot 2"

## 2.3.3.2 CTL100 : "The Patrol Read operation was stopped and did not complete for <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.3.3 CTL101 : "The <controller name> is disabled."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.3.4 CTL102 : "The <controller name> is enabled."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.3.5 CTL103 : "The Check Consistency Mode value of <controller name> is set to <attribute value>."

- <controller name> = "RAID Controller in Slot 5"

# 2.3.3.6 CTL104 : "The Enhanced Auto Import Foreign Config value of <controller name> is set to <attribute value>."

When event is generated, message will have the following substitutions:

- <controller name> = "RAID Controller in Slot 5"

### 2.3.3.7 CTL105 : "The Patrol Read attribute <attribute name> is set to <attribute value> for <controller name>."

When event is generated, message will have the following substitutions:

- <attribute name> = "Patrol read mode"
- <attribute value> = "Enabled"
- <controller name> = "RAID Controller in Slot 5"

# 2.3.3.8 CTL106 : "The Background Initialization Rate of <controller name> is set to <initialization rate value>."

When event is generated, message will have the following substitutions:

- <controller name> = "Controller in slot 3"
- <initialization rate value> = "13"

### 2.3.3.9 CTL107 : "The Rebuild Rate of <controller name> is set to <rebuild rate value>."

When event is generated, message will have the following substitutions:

- <controller name> = "Controller in slot 3"
- · <rebuild rate value> = "13"

### 2.3.3.10 CTL109 : "The Reconstruct Rate of <controller name > is set to <reconstruct rate value>."

When event is generated, message will have the following substitutions:

- <controller name > = "Controller in Slot 3"
- · <reconstruct rate value> = "14"

#### 2.3.3.11 CTL11 : "Configuration on <controller name> was reset."

When event is generated, message will have the following substitutions:

<controller name> = "RAID Controller in Slot 5"

# 2.3.3.12 CTL110 : "The Patrol Read Rate of <controller name > is set to <patrol read rate>."

When event is generated, message will have the following substitutions:

- <controller name > = "Controller in SLot 3"
- · <patrol read rate> = "13"

## 2.3.3.13 CTL111 : "The CopyBack Mode of <controller name> is set to <copyback mode>."

When event is generated, message will have the following substitutions:

- <controller name> = "Controller in Slot 1"
- <copyback mode> = "ON"

### 2.3.3.14 CTL112 : "The Loadbalance Mode of <controller name> is set to <loadbalance mode>."

When event is generated, message will have the following substitutions:

- <controller name> = "Controller in Slot 3"
- · <loadbalance mode> = "Disabled"

# 2.3.3.15 CTL113 : "The controller <controller name> is operating in Degraded Fault Tolerant Mode because of a mismatch between the encryption key setting of the controller and its peer controller."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

### 2.3.3.16 CTL114 : "The encryption key of <controller name> matches with its peer controller."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

## 2.3.3.17 CTL117 : "Unable to complete the operation because an invalid passphrase is passed for the controller <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

# 2.3.3.18 CTL12 : "An invalid SAS configuration has been detected on <Controller name>. Details: <error message>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- <error message> = "SAS topology error: SMP function failed"

#### 2.3.3.19 CTL13 : "The <Controller name> cache has been discarded."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

## 2.3.3.20 CTL34 : "A foreign configuration was cleared on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

# 2.3.3.21 CTL35 : "A foreign configuration was imported on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.3.22 CTL37 : "A Patrol Read operation started for <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

## 2.3.3.23 CTL38 : "The Patrol Read operation completed for <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.3.24 CTL40 : "Multi-bit ECC error on <Controller name> DIMM."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"
#### 2.3.3.25 CTL41 : "Single-bit ECC error on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 2.3.3.26 CTL42 : "Enclosure Management Module (EMM) hot plug is not supported on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 2.3.3.27 CTL44 : "Diagnostic message <message> from <Controller name>"

When event is generated, message will have the following substitutions:

- <message> = "BBU Retention test failed!"
- <Controller name> = "RAID Controller in Slot 5"

#### 2.3.3.28 CTL45 : "Single-bit ECC error on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 2.3.3.29 CTL46 : "Single-bit ECC error. The <Controller name> DIMM is critically degraded."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 2.3.3.30 CTL47 : "Single-bit ECC error on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 2.3.3.31 CTL48 : "A foreign configuration was detected on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.3.32 CTL49 : "The NVRAM has corrupted data on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 2.3.3.33 CTL50 : "The <Controller name> NVRAM has corrupt data."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 2.3.3.34 CTL51 : "<Controller name> SAS port report: <message>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- <message> = "SAS wide port 0 lost link on PHY 0"

### 2.3.3.35 CTL57 : "The factory default settings were restored on <controller Name>."

When event is generated, message will have the following substitutions:

• <controller Name> = "RAID Controller in Slot 5"

### 2.3.3.36 CTL61 : "Physical disks found missing from configuration during boot time on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 2.3.3.37 CTL63 : "Previous configuration was found completely missing during boot time on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 2.3.3.38 CTL72 : "The foreign configuration overflow has occurred on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 2.3.3.39 CTL73 : "Foreign configuration is imported only partially. Some configurations failed to import on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 2.3.3.40 CTL74 : "Preserved cache detected on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.3.41 CTL75 : "Preserved cache discarded on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.3.42 CTL76 : "A configuration command could not be committed to disk on <Controller name>"

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 2.3.3.43 CTL81 : "Security key assigned to <controller name> is modified."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 2.3.3.44 CTL97 : "<controller name> personality changed to <new mode> mode."

When event is generated, message will have the following substitutions:

- <controller name> = "RAID Controller in Slot 5"
- . <new mode> = " HBA"

#### 2.3.3.45 CTL98 : "Security key assigned to <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.3.46 CTL99 : "Security key assigned to <controller name> is deleted."

#### 2.3.4 Subcategory : Storage Enclosure [Prefix : ENC]

#### 2.3.4.1 ENC1 : "< Enclosure Management Module Name> was inserted."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

### 2.3.4.2 ENC14 : "The number of enclosures connected on <controller name> has exceeded the maximum limit supported by the controller."

When event is generated, message will have the following substitutions:

<controller name> = "port 0 of Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.4.3 ENC19 : "< Enclosure Management Module Name> has failed."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 2.3.4.4 ENC2 : "< Enclosure Management Module Name> was removed."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 2.3.4.5 ENC22 : "The < Enclosure Name> has a bad sensor < args>."

When event is generated, message will have the following substitutions:

- <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.4.6 ENC24 : "Communication with <enclosure name> is intermittent."

When event is generated, message will have the following substitutions:

<enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.4.7 ENC25 : "<enclosure name> has a hardware error."

When event is generated, message will have the following substitutions:

<enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.4.8 ENC26 : "<enclosure name> is not responding."

When event is generated, message will have the following substitutions:

• <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

# 2.3.4.9 ENC28 : "Enclosure Management Module (EMM) firmware version mismatch detected in <enclosure name>.<EMM 0 version> <EMM 1 version>."

When event is generated, message will have the following substitutions:

- <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <EMM 0 version> = ".12"
- <EMM 1 version> = ".11"

#### 2.3.4.10 ENC31 : "Firmware download on < Enclosure Name> has failed."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.4.11 ENC40 : "A new enclosure was detected on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 2.3.5 Subcategory : Fan Event [Prefix : FAN]

#### 2.3.5.1 FAN1000 : "<Fan Sensor Name> was removed."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.5.2 FAN1001 : "<Fan Sensor Name> has been inserted."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 4 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 2.3.5.3 FAN1002 : "<Fan Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 4 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 2.3.6 Subcategory : Physical Disk [Prefix : PDR]

#### 2.3.6.1 PDR1 : "<physical disk> copyback stopped for rebuild."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.2 PDR10 : "<physical disk> rebuild has started."

When event is generated, message will have the following substitutions:

<physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.3 PDR105 : "The physical disk drive <physical disk drive name> is assigned as a dedicated hot-spare."

When event is generated, message will have the following substitutions:

<physical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.4 PDR106 : "The physical disk drive <physical disk drive name> is unassigned as a dedicated hot-spare."

When event is generated, message will have the following substitutions:

• cphysical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.5 PDR107 : "The physical disk drive <physical disk drive name> is assigned as a global hot-spare."

When event is generated, message will have the following substitutions:

<physical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.6 PDR108 : "The physical disk drive <physical disk drive name> is unassigned as a global hot spare."

When event is generated, message will have the following substitutions:

<physical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.7 PDR11 : "<physical disk> rebuild was cancelled."

When event is generated, message will have the following substitutions:

<physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.8 PDR112 : "The <PCIe solid state device name> has reached <percent> of warranted device wear-out limit."

When event is generated, message will have the following substitutions:

- <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"
- . <percent> = " 80%"

### 2.3.6.9 PDR113 : "The <PCIe solid state device name> has reached or exceeded its warranted wear-out limit."

When event is generated, message will have the following substitutions:

• <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"

### 2.3.6.10 PDR115 : "The <PCIe solid state device name> is in read-only mode."

When event is generated, message will have the following substitutions:

• <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"

### 2.3.6.11 PDR116 : "Predictive failure reported for <PCIe solid state device name>"

When event is generated, message will have the following substitutions:

• <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"

#### 2.3.6.12 PDR13 : "<physical disk> rebuild has failed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.13 PDR15 : "<physical disk> rebuild is complete."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.14 PDR16 : "Predictive failure reported for <physical disk>."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.15 PDR2 : "Insufficient space available on <physical disk> to perform a copyback operation."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.16 PDR26 : "<physical disk> is online."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.17 PDR3 : "<PD Name> is not functioning correctly."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.18 PDR37 : "The <physical device> is not supported."

When event is generated, message will have the following substitutions:

<physical device> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.19 PDR38 : "A clear operation started on <physical disk>."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.20 PDR4 : "<physical disk> returned to a ready state."

When event is generated, message will have the following substitutions:

• controller in Slot 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.21 PDR41 : "The clear operation on <physical disk> was cancelled."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.22 PDR43 : "The clear operation on <physical disk> has completed."

When event is generated, message will have the following substitutions:

#### 2.3.6.23 PDR44 : "The clear operation on <physical disk> failed."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.24 PDR46 : "Patrol Read found an uncorrectable media error on <physical disk>."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.25 PDR47 : "A block on <physical disk> was punctured by the controller."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.26 PDR48 : "The <physical disk> rebuild has resumed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.27 PDR49 : "The dedicated hot spare <PD Name> is too small."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.28 PDR5 : "<PD Name> is removed."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.29 PDR50 : "Insufficient space on the global hot spare <PD Name>."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.30 PDR51 : "Hot spare <physical disk> SMART polling has failed.<args>"



- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <args> = " Error 123"

### 2.3.6.31 PDR54 : "A disk media error on <physical disk> was corrected during recovery."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.32 PDR55 : "Insufficient space available on the <physical disk> to perform a rebuild."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.33 PDR56 : "Bad block table on <physical disk> is 80% full."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.34 PDR57 : "Bad block table on <physical disk> is full. Unable to log block <logical block address >."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- · <logical block address > = "a1b1c1d1e1f1"

#### 2.3.6.35 PDR59 : "A bad disk block was reassigned on <physical disk>."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.36 PDR6 : "<physical disk> is offline."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.37 PDR60 : "Error occurred on <physical disk> : <error code>."

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <error code> = " Error 123"

### 2.3.6.38 PDR61 : "The rebuild of <physical disk> failed due to errors on the source physical disk."

When event is generated, message will have the following substitutions:

cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.39 PDR62 : "The rebuild failed due to errors on the target <physical disk>."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.40 PDR63 : "A bad disk block on <physical disk> cannot be reassigned during a write operation."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.41 PDR64 : "An unrecoverable disk media error occurred on <physical disk>."

When event is generated, message will have the following substitutions:

### 2.3.6.42 PDR70 : "Copyback started from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- controller in Slot 5
   controller in Slot 5
   controller in Slot 5
- <physical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

### 2.3.6.43 PDR71 : "Copyback completed from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <physical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

### 2.3.6.44 PDR72 : "Copyback resumed on <physical disk> from <physical disk>."



- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- chysical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

### 2.3.6.45 PDR73 : "Copyback failed from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <physical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

#### 2.3.6.46 PDR75 : "Copyback stopped for hot spare <physical disk> ."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.47 PDR79 : "A user terminated Copyback from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- controller in Slot 5
   controller in Slot 5
   controller in Slot 5

#### 2.3.6.48 PDR8 : "<PD Name> is inserted."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.49 PDR81 : "Microcode update started on <physical disk>."

When event is generated, message will have the following substitutions:

<physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.50 PDR82 : "<physical disk> security was activated."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.51 PDR84 : "<physical disk> Security key has changed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.52 PDR85 : "Security subsystem errors detected for <physical disk>."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.53 PDR86 : "Bad block table on <physical disk> is full."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.54 PDR87 : "<physical device> was reset."

When event is generated, message will have the following substitutions:

• chysical device> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.55 PDR88 : "Power state change failed on <PD Name>. (from <state> to <state>)"

When event is generated, message will have the following substitutions:

- <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <state> = "Spun Up"

#### 2.3.6.56 PDR93 : "Microcode update on <physical disk> has completed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.57 PDR94 : "Microcode update on <physical disk> has timed out."

When event is generated, message will have the following substitutions:

<physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.58 PDR95 : "Microcode update on <physical disk> has failed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.59 PDR96 : "Security was disabled on <physical disk>."

v <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.6.60 PDR97 : "<physical disk> security key required."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.6.61 PDR99 : "The secure erase operation on Self Encryption Disk < PD Name > has completed."

When event is generated, message will have the following substitutions:

• < PD Name > = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.7 Subcategory : Power Supply [Prefix : PSU]

### 2.3.7.1 PSU1000 : "Power supply cable has been removed from <PSU Sensor Name>."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.7.2 PSU1001 : "<PSU Sensor Name> has failed."

When event is generated, message will have the following substitutions:

<PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.7.3 PSU1002 : "<PSU Sensor Name> was removed"

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.7.4 PSU1003 : "<PSU Sensor Name> is switched OFF."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.7.5 PSU1004 : "Power supply cable has been inserted into <PSU Sensor Name>."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.7.6 PSU1005 : "<PSU sensor name> is switched on."

When event is generated, message will have the following substitutions:

• <PSU sensor name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.7.7 PSU1006 : "<PSU sensor name> was inserted."

When event is generated, message will have the following substitutions:

• <PSU sensor name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.7.8 PSU1007 : "<PSU Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.7.9 PSU1010 : "The DC power supply is switched off."

#### 2.3.8 Subcategory : Security Event [Prefix : SEC]

#### 2.3.8.1 SEC0100 : "The <module name> in slot <slot number> is open."

When event is generated, message will have the following substitutions:

- <module name> = "Storage disk tray"

### 2.3.8.2 SEC0101 : "The <module name> in slot <slot number> is opened for more than 3 minutes."

When event is generated, message will have the following substitutions:

- <module name> = "Storage disk tray"
- <slot number> = "2"

#### 2.3.8.3 SEC0102 : "The <module name> in slot <slot number> is closed."

- <module name> = "Storage disk tray"

#### 2.3.9 Subcategory : SSD Devices [Prefix : SSD]

# 2.3.9.1 SSD0001 : "The Write Endurance of Solid state drive (SSD) <drive FQDD> is less than the threshold value of Remaining Write Rated Endurance."

When event is generated, message will have the following substitutions:

<drive FQDD> = "PCle Solid-State Drive in Slot 9 in Bay 1."

### 2.3.9.2 SSD0002 : "The Available Spare of solid state drive (SSD) <drive FQDD> is less than the threshold value of Available Spare Alert."

When event is generated, message will have the following substitutions:

<drive FQDD> = "PCle Solid-State Drive in Slot 9 in Bay 1"

#### 2.3.10 Subcategory : Storage [Prefix : STOR]

#### 2.3.10.1 STOR1 : "A device <device name> is in an unknown state."

When event is generated, message will have the following substitutions:

<device name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.10.2 STOR10 : "Access to shared storage will not be available, because the RAID controller is unable to turn on."

2.3.10.3 STOR11 : "The currently detected hardware configuration is High Availability Ready. However, the current software solution does not yet support high availability."

2.3.10.4 STOR12 : "Chassis is operating with a disabled RAID controller."

2.3.10.5 STOR13 : "Unable to set the operation mode of the newly inserted storage sled in slot <slot number> to Split Single or Split Dual Host, because the storage sled has only one PERC controller."

When event is generated, message will have the following substitutions:

 $\cdot$  <slot number> = "3"

### 2.3.10.6 STOR14 : "The peripheral sled in slot <slot number> initialization is not complete."

When event is generated, message will have the following substitutions:

### 2.3.10.7 STOR15 : "The storage sled <slot number> is improperly configured."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 2.3.10.8 STOR16 : "The storage sled <slot number> configuration is normal."

When event is generated, message will have the following substitutions:

#### 2.3.10.9 STOR2 : "SCSI sense data <args>."

When event is generated, message will have the following substitutions:

### 2.3.10.10 STOR7 : "The storage management instrumentation is performing an inventory refresh operation."

#### 2.3.11 Subcategory : Temperature [Prefix : TMP]

### 2.3.11.1 TMP1000 : "<tempsensor name> exceeded the maximum warning threshold."

When event is generated, message will have the following substitutions:

<tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.11.2 TMP1001 : "<tempsensor name> has crossed the minimum warning threshold."

When event is generated, message will have the following substitutions:

• <tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.11.3 TMP1002 : "<tempsensor name> has exceeded the maximum failure threshold."

When event is generated, message will have the following substitutions:

<tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.11.4 TMP1003 : "<tempsensor name> has crossed the minimum failure threshold."

When event is generated, message will have the following substitutions:

• <tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 2.3.11.5 TMP1004 : "The temperature sensor <temperature sensor name> is now within configured threshold values."

When event is generated, message will have the following substitutions:

• <temperature sensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.12 Subcategory : Virtual Disk [Prefix : VDR]

#### 2.3.12.1 VDR1 : "<VD Name> failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.2 VDR10 : "Formatting the <VD Name> has started."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.3 VDR100 : "<virtual disk> is unavailable because of incompatibilities with the current controller."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.4 VDR101 : "Virtual Adapter mapping reported for <Virtual Disk Name>. Virtual Adapter 1 is now <Access Policy 1>. Virtual Adapter 2 is

### now <Access Policy 2>. Virtual Adapter 3 is now <Access Policy 3>. Virtual Adapter 4 is now <Access Policy 4>"

When event is generated, message will have the following substitutions:

- <Virtual Disk Name> = "Virtual Disk 0 on Integrated RAID Controller 0"
- <Access Policy 1> = " Read/Write"
- <Access Policy 2> = " No Access"
- <Access Policy 3> = "No Access"
- <Access Policy 4> = " No Access"

#### 2.3.12.5 VDR11 : "<virtual disk> has started initializing."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.6 VDR113 : "Controller preserved cache was discarded by user for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.7 VDR12 : "Reconfiguration has started for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.8 VDR13 : "<VD Name> rebuild has started."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.9 VDR14 : "The consistency check on <virtual disk> was cancelled."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.10 VDR15 : "Initialization of <virtual disk> was cancelled."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.11 VDR16 : "Consistency check of <virtual disk> failed."

When event is generated, message will have the following substitutions:

• <virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.12 VDR17 : "<VD Name> format failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.13 VDR18 : "Initialization of <virtual disk> has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.14 VDR19 : "Reconfiguration of <virtual disk> has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.15 VDR2 : "<virtual disk> returned to optimal state."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.16 VDR21 : "Consistency check for <virtual disk> has completed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.17 VDR22 : "Formatting the <VD Name> is completed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.18 VDR23 : "Initialization of <virtual disk> has completed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.19 VDR24 : "Reconfiguration of <virtual disk> has completed."

#### 2.3.12.20 VDR25 : "<VD Name> rebuild is completed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.21 VDR26 : "The check consistency on a <VD Name> has been paused (suspended)."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.22 VDR27 : "The consistency check on a <VD Name> has been resumed."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.23 VDR28 : "A virtual disk and its mirror have been split."

#### 2.3.12.24 VDR29 : "A mirrored virtual disk has been un-mirrored."

#### 2.3.12.25 VDR3 : "Redundancy normal on <VD Name>."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.26 VDR30 : "<virtual disk> write policy has changed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.27 VDR31 : "Controller cache is preserved for missing or offline <VD Name>."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.28 VDR32 : "Background initialization has started for <virtual disk>."

### 2.3.12.29 VDR33 : "Background initialization was cancelled for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.30 VDR34 : "Background initialization failed for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.31 VDR35 : "Background initialization has completed for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.32 VDR36 : "<VD Name> initialization is in-progress <progress percent>."

When event is generated, message will have the following substitutions:

- <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"
- <progress percent> = "30%"

#### 2.3.12.33 VDR37 : "Dead disk segments are restored on <VD Name>."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.34 VDR38 : "<VD Name> is renamed."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.35 VDR39 : "The check consistency has made corrections and completed for <VD name>."

When event is generated, message will have the following substitutions:

• <VD name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.36 VDR4 : "<virtual disk> was created."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.37 VDR40 : "The reconfiguration of <virtual disk> has resumed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.38 VDR41 : "<VD Name> read policy has changed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.39 VDR42 : "Dedicated hot spare assigned physical disk <args>."

When event is generated, message will have the following substitutions:

• <args> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 2.3.12.40 VDR43 : "Dedicated hot spare unassigned physical disk <args>."

When event is generated, message will have the following substitutions:

• <args> = "Disk 5 in Enclosure 0 on Connector 0 o RAID Controller in Slot 5"

#### 2.3.12.41 VDR44 : "<VD Name> disk cache policy has changed."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.42 VDR45 : "<VD Name> blink has been initiated."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.43 VDR46 : "<VD Name> blink has ceased."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.44 VDR47 : "A disk media error was corrected on <virtual disk>."

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.45 VDR48 : "<VD Name> has inconsistent data."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.46 VDR49 : "<VD Name> is permanently degraded."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.47 VDR5 : "<virtual disk> was deleted."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.48 VDR50 : "Background Initialization (BGI) completed with uncorrectable errors on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.49 VDR51 : "The consistency check process made corrections and completed on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.50 VDR52 : "The consistency check found inconsistent parity data on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.51 VDR53 : "The consistency check logging of inconsistent parity data is disabled for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.52 VDR54 : "<VD Name> initialization is terminated."

#### 2.3.12.53 VDR55 : "<VD Name> initialization has failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.54 VDR56 : "Redundancy of <virtual disk> has been degraded."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.55 VDR58 : "Bad block medium error is detected at block <args> on <VD Name>."

When event is generated, message will have the following substitutions:

- <args> = "0x12345678"
- <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.56 VDR59 : "<VD Name> security has failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.57 VDR6 : "<VD Name> configuration has changed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.58 VDR60 : "<initialization type> initialization is in progress on <virtual disk>."

When event is generated, message will have the following substitutions:

- <virtual disk> = " Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.59 VDR7 : "<virtual disk> has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

# 2.3.12.60 VDR8 : "<virtual disk> is degraded either because the physical disk drive in the drive group is removed or the physical disk drive added in a redundant virtual drive has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.61 VDR9 : "<virtual disk> consistency check has started."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.62 VDR91 : "Consistency check for <virtual disk> has detected multiple uncorrectable medium errors."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.63 VDR92 : "Consistency check for <virtual disk> has completed with uncorrectable errors."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.64 VDR93 : "<VD Name> bad block medium error is cleared."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.65 VDR94 : "Controller preserved cache was recovered for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.66 VDR95 : "Unable to log block <arg>.Bad block table on <VD Name> is full."

- . <arg> = "0x1234567890"
- <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.67 VDR96 : "Bad block table on <virtual disk> is 80 percent full."

When event is generated, message will have the following substitutions:

• <virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.3.12.68 VDR97 : "Patrol Read corrected a media error on <VD Name>."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 2.3.12.69 VDR98 : "<virtual disk> has switched active controllers. Its active path is now through <controller name>."

When event is generated, message will have the following substitutions:

- <virtual disk> = "Virtual Disk 0"
- <controller name> = " RAID Controller in Slot 5"

### 2.3.12.70 VDR99 : "<virtual disk> is unavailable because of an ID conflict in the fault-tolerant pair."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 2.4 Category: System Health

#### 2.4.1 Subcategory : Amperage [Prefix : AMP]

### 2.4.1.1 AMP0300 : "The system board <name> current is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 2.4.1.2 AMP0301 : "The system board <name> current is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

### 2.4.1.3 AMP0302 : "The system board <name> current is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

### 2.4.1.4 AMP0303 : "The system board <name> current is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

#### 2.4.1.5 AMP0304 : "The system board <name> current is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "fail-safe"

#### 2.4.1.6 AMP0305 : "The system board <name> current is within range."

When event is generated, message will have the following substitutions:

### 2.4.1.7 AMP0306 : "Disk drive bay <name> current is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 2.4.1.8 AMP0307 : "Disk drive bay <name> current is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 2.4.1.9 AMP0308 : "Disk drive bay <name> current is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 2.4.1.10 AMP0309 : "Disk drive bay <name> current is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

#### 2.4.1.11 AMP0310 : "Disk drive bay <name> current is outside of range."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

#### 2.4.1.12 AMP0311 : "Disk drive bay <name> current is within range."

When event is generated, message will have the following substitutions:

. <name> = "fail-safe"

DELL

2.4.1.13 AMP0312 : "System level current is less than the lower warning threshold."

2.4.1.14 AMP0313 : "System level current is less than the lower critical threshold."

2.4.1.15 AMP0314 : "System level current is greater than the upper warning threshold."

2.4.1.16 AMP0315 : "System level current is greater than the upper critical threshold."

2.4.1.17 AMP0316 : "System level current is outside of range."

2.4.1.18 AMP0317 : "System level current is within range."

2.4.1.19 AMP0318 : "Chassis power level current is less than the lower warning threshold."

2.4.1.20 AMP0319 : "Chassis power level current is less than the lower critical threshold."

2.4.1.21 AMP0320 : "Chassis power level current is greater than the upper warning threshold."

2.4.1.22 AMP0321 : "Chassis power level current is greater than the upper critical threshold."

2.4.1.23 AMP0322 : "Chassis power level current is outside of range."

2.4.1.24 AMP0323 : "Chassis power level current is within range."

#### 2.4.2 Subcategory : Auto System Reset [Prefix : ASR]

2.4.2.1 ASR0000 : "The watchdog timer expired."

2.4.2.2 ASR0001 : "The watchdog timer reset the system."

2.4.2.3 ASR0002 : "The watchdog timer powered off the system."

(D&LL)

2.4.2.4 ASR0003 : "The watchdog timer power cycled the system."

#### initiated."

#### 2.4.3 Subcategory : Battery Event [Prefix : BAT]

2.4.3.1 BAT0000 : "The system board battery is low."

2.4.3.2 BAT0001 : "The system board battery is operating normally."

2.4.3.3 BAT0002 : "The system board battery has failed."

2.4.3.4 BAT0003 : "The system board battery is present."

2.4.3.5 BAT0004 : "The system board battery is absent."

2.4.3.6 BAT0005 : "The storage battery is low."

2.4.3.7 BAT0006 : "The storage battery is operating normally."

2.4.3.8 BAT0007 : "The storage battery has failed."

- 2.4.3.9 BAT0008 : "The storage battery is present."
- 2.4.3.10 BAT0009 : "The storage battery is absent."
- 2.4.3.11 BAT0010 : "The storage battery for disk drive bay <bay> is low."

When event is generated, message will have the following substitutions:

### 2.4.3.12 BAT0011 : "The storage battery for disk drive bay <bay> is operating normally."

When event is generated, message will have the following substitutions:

DØLL

### 2.4.3.13 BAT0012 : "The storage battery for disk drive bay <br/>bay> has failed."

When event is generated, message will have the following substitutions:

. <bay> = "1"

### 2.4.3.14 BAT0013 : "The storage battery for disk drive bay <br/>bay> is present."

When event is generated, message will have the following substitutions:

### 2.4.3.15 BAT0014 : "The storage battery for disk drive bay <br/>bay> is absent."

When event is generated, message will have the following substitutions:

• <bay> = "1"

#### 2.4.3.16 BAT0015 : "The <name> battery is low."

When event is generated, message will have the following substitutions:

. <name> = "CMOS"

#### 2.4.3.17 BAT0016 : "The <name> battery is operating normally."

When event is generated, message will have the following substitutions:

#### 2.4.3.18 BAT0017 : "The <name> battery has failed."

When event is generated, message will have the following substitutions:

<name> = "CMOS"

#### 2.4.3.19 BAT0018 : "The <name> battery is present."

When event is generated, message will have the following substitutions:

<name> = "CMOS"

#### 2.4.3.20 BAT0019 : "The <name> battery is absent."

#### 2.4.4 Subcategory : Cable [Prefix : CBL]

### 2.4.4.1 CBL0003 : "Backplane <bay ID> <cable name> cable is disconnected."

When event is generated, message will have the following substitutions:

- . <cable name> = "B2"

## 2.4.5 Subcategory : Chassis Management Controller [Prefix : CMC]

### 2.4.5.1 CMC8514 : "Fabric mismatch is detected in the I/O Module <iom slot name>."

When event is generated, message will have the following substitutions:

. <iom slot name> = "Switch-1"

### 2.4.5.2 CMC8516 : "The I/O Module <iom slot name> did not boot within the expected time."

When event is generated, message will have the following substitutions:

• <iom slot name> = "Switch-1"

### 2.4.5.3 CMC8517 : "A double height server is detected in slot <slot number>, however the server is not detected in the bottom slot."

When event is generated, message will have the following substitutions:

#### 2.4.5.4 CMC8518 : "A double-height server is detected in the slot <slot number>. However, the iDRAC in the server of bottom slot <slot number> is also responding."

When event is generated, message will have the following substitutions:

DELL

### 2.4.5.5 CMC8519 : "The LOM riser FRU for slot <slot number> FRU ID <fru id> is not functioning."

When event is generated, message will have the following substitutions:

- <fru id> = "2"

#### 2.4.5.6 CMC8520 : "The FRU on server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 2.4.5.7 CMC8521 : "The Mezz card 1 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 2.4.5.8 CMC8522 : "The Mezz card 2 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 2.4.5.9 CMC8523 : "The Mezz card 3 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 2.4.5.10 CMC8524 : "The Mezz card 4 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 2.4.5.11 CMC8525 : "The FRU on the sleeve <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 2.4.5.12 CMC8526 : "Unable to retrieve the server-<slot number> CPU information."

When event is generated, message will have the following substitutions:

### 2.4.5.13 CMC8527 : "Unable to retrieve the server-<slot number> memory information."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 2.4.5.14 CMC8528 : "Unable to obtain or send link tuning or flex address data to server-<slot number>."

When event is generated, message will have the following substitutions:

### 2.4.5.15 CMC8534 : "Unable to turn on the server <slot number> because the power requirement request exceeds the power cap value."

When event is generated, message will have the following substitutions:

### 2.4.5.16 CMC8604 : "The FRU on storage sled <slot number> is not functioning."

When event is generated, message will have the following substitutions:

# 2.4.5.17 CMC8607 : "Unable to retrieve information about the firmware on server in slot <slot number>, because there is no communication between Chassis Management Controller (CMC) and iDRAC."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 2.4.5.18 CMC8609 : "Unable to read the Complex Programmable Logical Device (CPLD) version number of sleeve <sleeve number> because the

### CPLD version is very old, or the Chassis Management Controller (CMC) is unable to identify the version."

When event is generated, message will have the following substitutions:

. <sleeve number> = "1"

### 2.4.5.19 CMC8610 : "Unable to read because the Field Replaceable Unit (FRU) is not functioning on the sled <sled number>."

When event is generated, message will have the following substitutions:

# 2.4.5.20 CMC8611 : "Unable to read the Complex Programmable Logical Device (CPLD) version number of sled <sled number> because the CPLD version is very old, or the Chassis Management Controller (CMC) is unable to identify the version."

When event is generated, message will have the following substitutions:

· <sled number> = "1"

#### 2.4.6 Subcategory : Processor [Prefix : CPU]

#### 2.4.6.1 CPU0000 : "Internal error has occurred check for additional logs."

### 2.4.6.2 CPU0001 : "CPU <number> has a thermal trip (over-temperature) event."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.3 CPU0002 : "CPU <number> has failed the built-in self-test (BIST)."

When event is generated, message will have the following substitutions:

<number> = "1"

#### 2.4.6.4 CPU0003 : "CPU <number> is stuck in POST."
#### 2.4.6.5 CPU0004 : "CPU <number> failed to initialize."

When event is generated, message will have the following substitutions:

```
. <number> = "1"
```

### 2.4.6.6 CPU0005 : "CPU <number> configuration is unsupported."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.6.7 CPU0006 : "Unrecoverable CPU complex error detected on CPU <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.8 CPU0007 : "CPU <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.9 CPU0008 : "CPU <number> is disabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.10 CPU0009 : "CPU <number> terminator is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.11 CPU0010 : "CPU <number> is throttled."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.6.12 CPU0011 : "Uncorrectable Machine Check Exception detected on CPU <number>."

### 2.4.6.13 CPU0012 : "Correctable Machine Check Exception detected on CPU <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.14 CPU0016 : "CPU <number> is operating correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.15 CPU0021 : "CPU <number> is configured correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.16 CPU0024 : "CPU <number> is enabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.17 CPU0025 : "CPU <number> terminator is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.18 CPU0700 : "CPU <number> initialization error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.19 CPU0701 : "CPU <number> protocol error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.20 CPU0702 : "CPU bus parity error detected."

### 2.4.6.21 CPU0703 : "CPU bus initialization error detected."

### 2.4.6.22 CPU0704 : "CPU <number> machine check error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.23 CPU0800 : "CPU <number> voltage regulator module is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.24 CPU0801 : "CPU <number> voltage regulator module failed."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.25 CPU0802 : "A predictive failure detected on CPU <number> voltage regulator module."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.26 CPU0803 : "The power input for CPU <number> voltage regulator module is lost."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.27 CPU0804 : "The power input for CPU <number> voltage regulator module is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.6.28 CPU0805 : "The power input for CPU <number> voltage regulator module is outside of range, but it is attached to the system."



# 2.4.6.29 CPU0806 : "CPU <number> voltage regulator module is incorrectly configure."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.6.30 CPU0816 : "CPU <number> voltage regulator module is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.31 CPU0817 : "CPU <number> voltage regulator module is operating normally."

When event is generated, message will have the following substitutions:

### 2.4.6.32 CPU0819 : "The power input for CPU <number> voltage regulator module has been restored."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.33 CPU0822 : "CPU <number> voltage regulator module is configured correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.6.34 CPU9001 : "CPU interconnect <CPU number> has a correctable error."

When event is generated, message will have the following substitutions:

. <CPU number> = "1"

### 2.4.7 Subcategory : Processor Absent [Prefix : CPUA]

#### 2.4.7.1 CPUA0023 : "CPU <number> is absent"

### 2.4.8 Subcategory : Fan Event [Prefix : FAN]

# 2.4.8.1 FAN0000 : "Fan <number> RPM is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.8.2 FAN0001 : "Fan <number> RPM is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.8.3 FAN0002 : "Fan <number> RPM is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.8.4 FAN0003 : "Fan <number> RPM is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.8.5 FAN0004 : "Fan <number> RPM is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.8.6 FAN0005 : "Fan <number> RPM is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.8.7 FAN0006 : "Fan <number> is removed."

#### 2.4.8.8 FAN0007 : "Fan <number> was inserted."

When event is generated, message will have the following substitutions:

```
. <number> = "1"
```

#### 2.4.8.9 FAN0008 : "Fan <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.8.10 FAN0009 : "Fan <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.8.11 FAN0010 : "Fan <number> is disabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.8.12 FAN0011 : "Fan <number> is enabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.8.13 FAN0012 : "<fan name> RPM is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

### 2.4.8.14 FAN0013 : "<fan name> RPM is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

<fan name> = "Blower"

### 2.4.8.15 FAN0014 : "<fan name> RPM is greater than the upper warning threshold."

# 2.4.8.16 FAN0015 : "<fan name> RPM is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

# 2.4.8.17 FAN0016 : "<fan name> RPM is outside of normal operating range."

When event is generated, message will have the following substitutions:

<fan name> = "Blower"

### 2.4.8.18 FAN0017 : "<fan name> RPM is within normal operating range."

When event is generated, message will have the following substitutions:

• <fan name> = "Blower"

### 2.4.9 Subcategory : Fiber Channel [Prefix : FC]

# 2.4.9.1 FC102 : "The <controller ID> port <port ID> link is not functioning either because the FC cable is not connected or the FC device is not functioning."

When event is generated, message will have the following substitutions:

# 2.4.9.2 FC103 : "The <controller ID> port <port ID> network connection is successfully started."

When event is generated, message will have the following substitutions:

### 2.4.10 Subcategory : Hardware Config [Prefix : HWC]

### 2.4.10.1 HWC1000 : "The <name> is present."



#### 2.4.10.2 HWC1001 : "The <name> is absent."

When event is generated, message will have the following substitutions:

. <name> = "KVM"

- 2.4.10.3 HWC1004 : "The storage adapter is present."
- 2.4.10.4 HWC1005 : "The storage adapter is absent."
- 2.4.10.5 HWC1008 : "The backplane is present."
- 2.4.10.6 HWC1009 : "The backplane is absent."
- 2.4.10.7 HWC1012 : "The USB cable is present."
- 2.4.10.8 HWC1013 : "The USB cable is absent."
- 2.4.10.9 HWC1014 : "The mezzanine card <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "B1"

#### 2.4.10.10 HWC1015 : "The mezzanine card <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "B1"

#### 2.4.10.11 HWC1100 : "The <name> was installed in slot <number>."

When event is generated, message will have the following substitutions:

- · <name> = "VGA"
- . <number> = "1"

#### 2.4.10.12 HWC1101 : "The <name> is removed from slot <number>."

- . <name> = "VGA"
- . <number> = "1"

# 2.4.10.13 HWC1102 : "The <module name> is installed in an unsupported slot <slot number>."

When event is generated, message will have the following substitutions:

# 2.4.10.14 HWC1103 : "The <module name> installed in an unsupported slot <slot number> is removed."

When event is generated, message will have the following substitutions:

- <module name> = "Storage Sled"

# 2.4.10.15 HWC1104 : "The <module name> installed in slot <slot number> is not supported by the chassis."

When event is generated, message will have the following substitutions:

- <module name> = "Peripheral Sled"
- <slot number> = " 1"

### 2.4.10.16 HWC1105 : "The <module name> is removed from the slot <number>."

When event is generated, message will have the following substitutions:

- <module name> = "Peripheral Sled"
- . <number> = " 1"

### 2.4.10.17 HWC1200 : "The sled <sled name> is inserted in slot <slot number>."

When event is generated, message will have the following substitutions:

- <sled name> = "VGA"

### 2.4.10.18 HWC1201 : "The sled <sled name> is removed from slot <slot number>."

- <sled name> = "VGA"
- slot number> = "1"

### 2.4.10.19 HWC1202 : "The <name> was installed in slot <number>."

When event is generated, message will have the following substitutions:

- <name> = "Storage sled"
- . <number> = "2"

#### 2.4.10.20 HWC1203 : "The <name> is removed from slot <number>."

When event is generated, message will have the following substitutions:

- <name> = "Storage sled"
- . <number> = "2"

#### 2.4.10.21 HWC2000 : "The <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

#### 2.4.10.22 HWC2001 : "The <name> cable or interconnect is not connected or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 2.4.10.23 HWC2002 : "The storage <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

### 2.4.10.24 HWC2003 : "The storage <name> cable is not connected, or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "SAS"

### 2.4.10.25 HWC2004 : "The system board <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

· <name> = "TFT"

# 2.4.10.26 HWC2005 : "The system board <name> cable or interconnect is not connected, or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "TFT"

### 2.4.10.27 HWC2006 : "The <name> is not installed correctly."

When event is generated, message will have the following substitutions:

. <name> = "DRAC"

#### 2.4.10.28 HWC2007 : "The <name> is installed correctly."

When event is generated, message will have the following substitutions:

· <name> = "DRAC"

# 2.4.10.29 HWC2008 : "A fabric mismatch detected for mezzanine card <number>."

When event is generated, message will have the following substitutions:

• <number> = "B1"

#### 2.4.10.30 HWC2009 : "Mezzanine card <number> is installed correctly."

When event is generated, message will have the following substitutions:

<number> = "B1"

#### 2.4.10.31 HWC2010 : "The riser board cable or interconnect is connected."

2.4.10.32 HWC2011 : "The riser board cable or interconnect is not connected, or is improperly connected."

### 2.4.10.33 HWC2012 : "A fabric mismatch detected on fabric <name> with server in slot <number>."

When event is generated, message will have the following substitutions:

 $\cdot$  <name> = "B"

. <number> = "1"

### 2.4.10.34 HWC2013 : "Fabric mismatch corrected on fabric <name> with server in slot <number>."

When event is generated, message will have the following substitutions:

- . <name> = "B"
- . <number> = "1"

#### 2.4.10.35 HWC2014 : "A hardware misconfiguration detected on <name>."

When event is generated, message will have the following substitutions:

· <name> = "Planer"

#### 2.4.10.36 HWC2015 : "The <name> is configured correctly."

When event is generated, message will have the following substitutions:

<name> = "IOM"

#### 2.4.10.37 HWC3000 : "The <name> is removed."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

#### 2.4.10.38 HWC3001 : "The <name> is inserted."

When event is generated, message will have the following substitutions:

#### 2.4.10.39 HWC3002 : "Server <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.10.40 HWC3003 : "Server <number> was inserted."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.10.41 HWC3004 : "IO module <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 2.4.10.42 HWC3005 : "IO module <number> was inserted."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 2.4.10.43 HWC3006 : "Unable to QuickDeploy server in slot <slot number>."

When event is generated, message will have the following substitutions:

<slot number> = "1"

2.4.10.44 HWC4000 : "A hardware incompatibility detected between BMC/ iDRAC firmware and CPU."

2.4.10.45 HWC4001 : "A hardware incompatibility was corrected between BMC/iDRAC firmware and CPU."

2.4.10.46 HWC4002 : "A hardware incompatibility detected between BMC/ iDRAC firmware and other hardware."

2.4.10.47 HWC4003 : "A hardware incompatibility was corrected between BMC/iDRAC firmware and other hardware."

2.4.10.48 HWC4010 : "Hardware successfully updated for mezzanine card <number>."

When event is generated, message will have the following substitutions:

 $\cdot$  <number> = "C2"

### 2.4.10.49 HWC4011 : "Hardware unsuccessfully updated for mezzanine card <number>."

When event is generated, message will have the following substitutions:

. <number> = "C2"

DELL

#### 2.4.10.50 HWC4014 : "Link Tuning data successfully updated."

#### 2.4.10.51 HWC4015 : "Link Tuning error detected."

### 2.4.10.52 HWC4016 : "Hardware incompatibility detected with mezzanine card <number>."

When event is generated, message will have the following substitutions:

. <number> = "C2"

#### 2.4.10.53 HWC4017 : "A hardware incompatibility is detected between <first component name><first component location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <first component location> = " in slot 1"
- <second component name> = " PSU"
- <second component location> = " in slot 1"

#### 2.4.10.54 HWC4018 : "A hardware incompatibility was corrected between <first component name><first component location location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <first component name> = "Server"
- <first component location location> = " in slot 1"
- <second component name> = " PSU"
- <second component location> = " in slot 1"

### 2.4.10.55 HWC4019 : "Unable to control the fan speed because a sled mismatch or hardware incompatibility is detected."

#### 2.4.10.56 HWC5000 : "<name> is online."

When event is generated, message will have the following substitutions:

. <name> = "DVD"

#### 2.4.10.57 HWC5001 : "<name> is offline."

### 2.4.10.58 HWC5002 : "A fabric mismatch detected on <name>."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

### 2.4.10.59 HWC5003 : "<name> is operating correctly."

When event is generated, message will have the following substitutions:

. <name> = "iDRAC"

#### 2.4.10.60 HWC5004 : "A link tuning failure detected on <name>."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

#### 2.4.10.61 HWC5006 : "A failure is detected on <name>."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

#### 2.4.10.62 HWC5030 : "IO module <number> is online."

When event is generated, message will have the following substitutions:

#### 2.4.10.63 HWC5031 : "IO module <number> is offline."

When event is generated, message will have the following substitutions:

### 2.4.10.64 HWC5032 : "A fabric mismatch detected on IO module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 2.4.10.65 HWC5033 : "IO module <number> is operating correctly."

When event is generated, message will have the following substitutions:

. <number> = "A1"

# 2.4.10.66 HWC5034 : "A link tuning failure detected on IO module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 2.4.10.67 HWC5035 : "An over-temperature event detected on I/O module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

#### 2.4.10.68 HWC5036 : "A failure is detected on IO module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

#### 2.4.10.69 HWC5037 : "I/O module <number> failed to boot."

When event is generated, message will have the following substitutions:

. <number> = "A1"

#### 2.4.10.70 HWC6000 : "The <name> controller is offline."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

#### 2.4.10.71 HWC6001 : "The <name> controller is online."

When event is generated, message will have the following substitutions:

<name> = "LCD"

#### 2.4.10.72 HWC6002 : "The <name> controller is stuck in boot mode."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

#### 2.4.10.73 HWC6003 : "The <name> controller is booting."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 2.4.10.74 HWC6004 : "Cannot communicate with <name> controller."

When event is generated, message will have the following substitutions:

<name> = "IOM"

#### 2.4.10.75 HWC6005 : "Communications restored for <name> controller."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

#### 2.4.10.76 HWC7000 : "Server <number> health changed to a normal state."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.10.77 HWC7002 : "Server <number> health changed to a warning state from a normal state."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.10.78 HWC7004 : "Server <number> health changed to a critical state from either a normal or warning state."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 2.4.10.79 HWC7006 : "Server <number> health changed to a nonrecoverable state from a less severe state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.10.80 HWC7008 : "Server <number> health changed to a warning state from more severe state."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.10.81 HWC7010 : "Server <number> health changed to a critical state from a non-recoverable state."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.10.82 HWC7012 : "Server <number> health changed to a non-recoverable state."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.10.83 HWC8501 : "Unable to complete the operation because of an issue with the I/O panel cable."

#### 2.4.10.84 HWC8502 : "The I/O panel cable is connected."

# 2.4.10.85 HWC8503 : "The internal communication between the Chassis Management Controller (CMC) and the <left or right> control panel is restored."

When event is generated, message will have the following substitutions:

• <left or right> = "left"

# 2.4.10.86 HWC8504 : "The Chassis Management Controller (CMC) cannot communicate with the <left or right> control panel because of internal issues."

When event is generated, message will have the following substitutions:

<left or right> = "left"

2.4.10.87 HWC8506 : "Unable to synchronize control panel firmware due to internal error."

2.4.10.88 HWC8507 : "The USB device inserted in to the I/O Panel USB port is causing an issue and cannot be used."

2.4.10.89 HWC8508 : "A device causing an issue in the I/O panel USB port is removed."

2.4.10.90 HWC8509 : "One or more PCIe switch heatsinks are not properly attached."

2.4.10.91 HWC8510 : "The heat sinks of the PCIe switches are properly attached."

### 2.4.11 Subcategory : IO Virtualization [Prefix : IOV]

2.4.11.1 IOV104 : "The Chassis Management Controller (CMC) is unable to allocate <number of Watt> Watt for server-<server slot number> PCle adapters."

When event is generated, message will have the following substitutions:

# 2.4.11.2 IOV105 : "Unable to manage PCIE adapter <device name> located in <slot type> <slot number>."

When event is generated, message will have the following substitutions:

- < slot type> = "1"
- <slot number> = "1"

# 2.4.11.3 IOV106 : "Unable to power on PCIe adapter <device name> in <slot type> <slot number>."

When event is generated, message will have the following substitutions:

- · <device name> = "Devicename"
- < slot type> = "1"

# 2.4.11.4 IOV108 : "Power fault detected on PCIE adapter <device name> in <slot type> <slot number>."

When event is generated, message will have the following substitutions:

- . <device name> = "Devicename"
- < <slot type> = "1"
- slot number> = "1"

#### 2.4.11.5 IOV111 : "Unable to update Chassis Infrastructure firmware."

#### 2.4.11.6 IOV112 : "Chassis Infrastructure firmware is not valid."

### 2.4.12 Subcategory : Link Status [Prefix : LNK]

#### 2.4.12.1 LNK2700 : "The <name> network link is down."

When event is generated, message will have the following substitutions:

. <name> = "CMC"

#### 2.4.12.2 LNK2701 : "The <name> network link is up."

When event is generated, message will have the following substitutions:

<name> = "CMC"

# 2.4.12.3 LNK8500 : "Unable to connect the server in slot <slot id> to the IOM in slot <IOM slot id> port <IOM port id>, because the IOM port is down."

When event is generated, message will have the following substitutions:

- < <slot id> = "1"
- · <IOM slot id> = "2"
- · <IOM port id> = "3"

### 2.4.12.4 LNK8501 : "The network connection of server in slot <slot id> IOM in slot <IOM slot id> port <IOM port id> is restarted."

- . <slot id> = "1"
- IOM slot id> = "2"

### 2.4.13 Subcategory : Memory [Prefix : MEM]

# 2.4.13.1 MEM0000 : "Persistent correctable memory errors detected on a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

### 2.4.13.2 MEM0001 : "Multi-bit memory errors detected on a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 2.4.13.3 MEM0002 : "Parity memory errors detected on a memory device at location <location >."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 2.4.13.4 MEM0003 : "Stuck bit memory error detected on a memory device at location <location >."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.5 MEM0004 : "Memory device at location <location> is disabled."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 2.4.13.6 MEM0005 : "Persistent correctable memory error limit reached for a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.7 MEM0006 : "Memory device at location <location> is present."



## 2.4.13.8 MEM0007 : "Unsupported memory configuration; check memory device at location <location >."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.9 MEM0008 : "Memory device at location <location> is spare memory."

When event is generated, message will have the following substitutions:

#### 2.4.13.10 MEM0009 : "Memory device at location <location> is throttled."

When event is generated, message will have the following substitutions:

### 2.4.13.11 MEM0010 : "Memory device at location <location> is overheating."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.12 MEM0016 : "Memory device at location(s) <location> is operating correctly."

When event is generated, message will have the following substitutions:

### 2.4.13.13 MEM0021 : "Persistent correctable memory error limit reset for a memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.14 MEM0022 : "Memory device at location <location> is absent."

When event is generated, message will have the following substitutions:

# 2.4.13.15 MEM0024 : "Memory device at location <location> is no longer spare memory."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 2.4.13.16 MEM0700 : "The persistent correctable memory error rate is at normal levels for a memory device at location <location>."

When event is generated, message will have the following substitutions:

### 2.4.13.17 MEM0701 : "Correctable memory error rate exceeded for <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.18 MEM0702 : "Correctable memory error rate exceeded for <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.19 MEM1002 : "Memory device at location <location> is in test."

When event is generated, message will have the following substitutions:

### 2.4.13.20 MEM1003 : "Memory device at location <location> failed to transition to in test."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.21 MEM1004 : "Memory device at location <location> is powered off."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 2.4.13.22 MEM1005 : "Memory device at location <location> failed to power off."

When event is generated, message will have the following substitutions:

### 2.4.13.23 MEM1006 : "Memory device at location <location> is online."

When event is generated, message will have the following substitutions:

### 2.4.13.24 MEM1007 : "Memory device at location <location> failed to transition to online."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.25 MEM1008 : "Memory device at location <location> is offline."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.26 MEM1009 : "Memory device at location <location> failed to transition to offline."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.27 MEM1010 : "Memory device at location <location> is off-duty."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.28 MEM1011 : "Memory device at location <location> is on-duty."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.29 MEM1012 : "Memory device at location <location> is in a degraded state."

# 2.4.13.30 MEM1013 : "Memory device at location <location> is in a full state."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.31 MEM1014 : "Memory device at location <location> is in a power save state."

When event is generated, message will have the following substitutions:

### 2.4.13.32 MEM1015 : "Memory device at location <location> is in a power active state."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.33 MEM1016 : "Memory device at location <location> is not installed correctly."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 2.4.13.34 MEM1017 : "Memory device at location <location> is installed correctly."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.35 MEM1200 : "Memory RAID is redundant."

### 2.4.13.36 MEM1201 : "Memory RAID redundancy is lost. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

DELL

# 2.4.13.37 MEM1202 : "Memory RAID redundancy is degraded. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.38 MEM1203 : "Memory is not redundant."

#### 2.4.13.39 MEM1204 : "Memory mirror is redundant."

### 2.4.13.40 MEM1205 : "Memory mirror redundancy is lost. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

<location> = "DIMM1"

### 2.4.13.41 MEM1206 : "Memory mirror redundancy is degraded. Check memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.42 MEM1207 : "Memory spare is redundant."

### 2.4.13.43 MEM1208 : "Memory spare redundancy is lost. Check memory device at location <location >."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.44 MEM1209 : "Memory spare redundancy is degraded. Check memory device at location <location>."

When event is generated, message will have the following substitutions:

<location> = "DIMM1"

#### 2.4.13.45 MEM1212 : "Memory redundancy is lost."

2.4.13.46 MEM1214 : "Memory redundancy is degraded."

2.4.13.47 MEM7000 : "The memory riser mismatch was corrected."

2.4.13.48 MEM7002 : "A hardware mismatch detected for memory riser."

## 2.4.13.49 MEM8000 : "Correctable memory error logging disabled for a memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.50 MEM9000 : "Memory interconnect degraded."

# 2.4.13.51 MEM9002 : "Intel QPI interconnect <QPI link number> has a correctable error."

When event is generated, message will have the following substitutions:

• <QPI link number> = "1"

### 2.4.13.52 MEM9003 : "Intel SMI 2 Memory interconnect <link number> has a correctable error."

When event is generated, message will have the following substitutions:

### 2.4.13.53 MEM9004 : "Intel QPI interconnect <QPI link number> has degraded."

When event is generated, message will have the following substitutions:

• <QPI link number> = "1"

# 2.4.13.54 MEM9005 : "Intel SMI 2 Memory interconnect < link number> has degraded."

When event is generated, message will have the following substitutions:

2.0 Email Event Notification Test Messages 99

# 2.4.13.55 MEM9006 : "Intel QPI interconnect <QPI link number> has a non-recoverable issue."

When event is generated, message will have the following substitutions:

• <QPI link number> = "1"

# 2.4.13.56 MEM9007 : "Intel SMI 2 Memory interconnect <link number> has a non-recoverable issue."

When event is generated, message will have the following substitutions:

### 2.4.13.57 MEM9008 : "Intel DDR Memory interconnect <link number> has a non-recoverable issue."

When event is generated, message will have the following substitutions:

· link number> = "1"

### 2.4.13.58 MEM9009 : "Intel DDR Memory interconnect <link number> has a correctable error."

When event is generated, message will have the following substitutions:

#### 2.4.13.59 MEM9020 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is about to reach the end of supported life duration."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 2.4.13.60 MEM9030 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is not responding and is disabled."

When event is generated, message will have the following substitutions:

#### 2.4.13.61 MEM9031 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is unable to save the data during the previous system shutdown operation or power loss."

#### 2.4.13.62 MEM9032 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is unable to restore the data that was saved in the previous save operation."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

2.4.13.63 MEM9033 : "An unsupported Non-Volatile Dual In-line Memory Module (NVDIMM) device is of unsupported configuration and unable to operate as currently configured."

#### 2.4.13.64 MEM9034 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is not responding."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 2.4.13.65 MEM9035 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> cannot be configured to save data during a power loss because of an issue in the NVDIMM."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

2.4.13.66 MEM9036 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) devices are placed in write-protect mode because the system may not provide sufficient power to save data in case of power loss."

2.4.13.67 MEM9037 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has reached the end of supported life duration and is placed in write-protect mode."

When event is generated, message will have the following substitutions:

#### 2.4.13.68 MEM9038 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has lost persistency and is placed in write-protect mode."



#### 2.4.13.69 MEM9050 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has regained persistency and is available for use."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

2.4.13.70 MEM9060 : "The Post-Package Repair operation is successfully completed on the Dual in-line Memory Module (DIMM) device that was failing earlier."

### 2.4.14 Subcategory : NIC Configuration [Prefix : NIC]

#### 2.4.14.1 NIC100 : "The <Controller> Port <Port> network link is down."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = "1"

### 2.4.14.2 NIC101 : "The <controller ID> Port <port ID> network link is started."

- <controller ID> = "NIC Integrated 1"
- <port ID> = " 1"

### 2.4.15 Subcategory : OS Event [Prefix : OSE]

2.4.15.1 OSE0000 : "A critical stop occurred during OS load."

2.4.15.2 OSE0001 : "A runtime critical stop occurred."

2.4.15.3 OSE0002 : "An OS graceful stop occurred."

2.4.15.4 OSE0003 : "An OS graceful shut-down occurred."

### 2.4.16 Subcategory : PCI Device [Prefix : PCI]

### 2.4.16.1 PCI1302 : "A bus time-out was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 2.4.16.2 PCI1304 : "An I/O channel check error was detected."

# 2.4.16.3 PCI1306 : "A software error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- <func> = "1"

### 2.4.16.4 PCI1308 : "A PCI parity error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

DELL

### 2.4.16.5 PCI1310 : "A PCI system error was detected on a component at bus <br/> bus > device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

### 2.4.16.6 PCI1314 : "A bus correctable error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

### 2.4.16.7 PCI1316 : "A bus uncorrectable error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 2.4.16.8 PCI1318 : "A fatal error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 2.4.16.9 PCI1320 : "A bus fatal error was detected on a component at bus <br/><br/>bus> device <device> function <func>."

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

# 2.4.16.10 PCI1322 : "Bus performance degraded for a component at bus <br/> <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- <func> = "1"

### 2.4.16.11 PCI1342 : "A bus time-out was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.16.12 PCI1344 : "An I/O channel check error was detected."

### 2.4.16.13 PCI1346 : "A software error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.16.14 PCI1348 : "A PCI parity error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.16.15 PCI1350 : "A PCI system error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.16.16 PCI1354 : "A bus correctable error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

DELL

## 2.4.16.17 PCI1356 : "A bus uncorrectable error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.16.18 PCI1358 : "A fatal error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.16.19 PCI1360 : "A bus fatal error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.16.20 PCI1362 : "Bus performance degraded for a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.16.21 PCI2000 : "A fatal IO error detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- . <func> = "1"

### 2.4.16.22 PCI2001 : "The component at bus <bus> device <device> function <func> recovered from a fatal IO error."

- . <device> = "1"
- <func> = "1"

# 2.4.16.23 PCI2002 : "A fatal IO error detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.16.24 PCI2003 : "The component at slot <number> recovered from a fatal IO error."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.16.25 PCI3000 : "Device option ROM on embedded NIC failed to support Link Tuning or FlexAddress."

2.4.16.26 PCI3001 : "Device option ROM on embedded NIC was successfully updated."

# 2.4.16.27 PCI3002 : "Failed to program virtual MAC address on a component at bus <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 2.4.16.28 PCI3003 : "Virtual MAC address for component at bus <bus> device <device> function <func> was successfully programed."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 2.4.16.29 PCI3004 : "Device option ROM on mezzanine card <number> failed to support Link Tuning or FlexAddress."

When event is generated, message will have the following substitutions:

. <number> = "B1"

DELL

### 2.4.16.30 PCI3005 : "Device option ROM on mezzanine card <number> was successfully updated."

When event is generated, message will have the following substitutions:

. <number> = "B1"

### 2.4.16.31 PCI3006 : "Failed to get Link Tuning or FlexAddress data from iDRAC."

### 2.4.16.32 PCI3007 : "Link Tuning or FlexAddress data successfully obtained."

### 2.4.16.33 PCI3008 : "A non-fatal PCIe error detected on a component at bus <br/> bus > device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 2.4.16.34 PCI3009 : "PCIe is operating normally on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 2.4.16.35 PCI3010 : "A non-fatal IO error detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- <func> = "1"

# 2.4.16.36 PCI3011 : "The component at bus <bus> device <device> function <func> recovered from a non-fatal IO error."

When event is generated, message will have the following substitutions:
• <func> = "1"

## 2.4.16.37 PCI3012 : "The QuickPath Interconnect (QPI) width degraded."

## 2.4.16.38 PCI3013 : "The QuickPath Interconnect (QPI) width regained."

# 2.4.16.39 PCI3014 : "A non-fatal PCIe error detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.16.40 PCI3015 : "The component at slot <number> recovered from a non-fatal PCIe error."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.16.41 PCI3016 : "Device option ROM on mezzanine card failed to support Link Tuning or FlexAddress."

# 2.4.16.42 PCI3017 : "Device option ROM on mezzanine card was successfully updated."

# 2.4.16.43 PCI5004 : "A power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>."

When event is generated, message will have the following substitutions:

# 2.4.16.44 PCI5005 : "An auxiliary power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>."

When event is generated, message will have the following substitutions:

DELL

# 2.4.16.45 PCI5006 : "The power-related issue of the PCIe adapter in slot<slot number> is resolved."

# 2.4.16.46 PCI5007 : "The auxiliary power-related issue of the PCIe adapter in slot <slot number> is resolved."

When event is generated, message will have the following substitutions:

## 2.4.16.47 PCI5008 : "The Chassis Management Controller (CMC) is unable to communicate with the PCIe switch board."

## 2.4.17 Subcategory : Physical Disk [Prefix : PDR]

## 2.4.17.1 PDR1000 : "Drive <number> is installed in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

## 2.4.17.2 PDR1001 : "Fault detected on drive <number> in disk drive bay <br/><br/>bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

## 2.4.17.3 PDR1002 : "A predictive failure detected on drive <number> in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

### 2.4.17.4 PDR1016 : "Drive <number> is removed from disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

## 2.4.17.5 PDR1017 : "Drive <number> in disk drive bay <bay> is operating normally."

. <bay> = "0"

# 2.4.17.6 PDR1024 : "Drive mismatch detected for drive <number> in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

## 2.4.17.7 PDR1025 : "Drive mismatch corrected for drive <number> in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

### 2.4.17.8 PDR1100 : "Drive <number> is installed."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.17.9 PDR1101 : "Fault detected on drive <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 2.4.17.10 PDR1102 : "A predictive failure detected on drive <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.17.11 PDR1116 : "Drive <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.17.12 PDR1117 : "Drive <number> is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

DELL

# 2.4.18 Subcategory : System Performance Event [Prefix : PFM]

# 2.4.18.1 PFM0002 : "The value of <sensor name> is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

• <sensor name> = "CPU Usage"

## 2.4.19 Subcategory : BIOS POST [Prefix : PST]

- 2.4.19.1 PST0128 : "No memory is detected."
- 2.4.19.2 PST0129 : "Memory is detected, but is not configurable."
- 2.4.19.3 PST0130 : "Memory is configured, but not usable."
- 2.4.19.4 PST0132 : "CMOS failed."
- 2.4.19.5 PST0133 : "DMA controller failed."
- 2.4.19.6 PST0134 : "Interrupt controller failed."
- 2.4.19.7 PST0135 : "Timer refresh failed."
- 2.4.19.8 PST0136 : "Programmable interval timer error."
- 2.4.19.9 PST0137 : "Parity error."
- 2.4.19.10 PST0138 : "SuperIO failed."
- 2.4.19.11 PST0139 : "Keyboard controller failed."
- 2.4.19.12 PST0140 : "System management interrupt initialization failed."
- 2.4.19.13 PST0141 : "QuickPath Interconnect (QPI) fatal error."
- 2.4.19.14 PST0142 : "MRC fatal error."
- 2.4.19.15 PST0143 : "Intel Trusted Execution Technology (TXT) fatal error."
- 2.4.19.16 PST0192 : "Shut-down test failed."
- 2.4.19.17 PST0193 : "BIOS POST memory test failed."
- 2.4.19.18 PST0194 : "Remote access controller configuration failed." 2.0 Email Event Notification Test Messages 2.4.19.19 PST0195 : "CPU configuration failed."
- 2 4 10 20 PST0106 · "Incorrect memory configuration"

## 2.4.20.2 PSU0001 : "Power supply <number> failed."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.3 PSU0002 : "A predictive failure detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.4 PSU0003 : "The power input for power supply <number> is lost."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.5 PSU0004 : "The power input for power supply <number> is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.6 PSU0005 : "The power input for power supply <number> is outside of the allowable range, but it is attached to the system."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.7 PSU0006 : "Power supply <number> is incorrectly configured."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.8 PSU0017 : "Power supply <number> is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.9 PSU0019 : "The input power for power supply <number> has been restored."

## 2.4.20.10 PSU0022 : "Power supply <number> is correctly configured."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.11 PSU0031 : "Cannot communicate with power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.12 PSU0032 : "The temperature for power supply <number> is in a warning range."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.13 PSU0033 : "The temperature for power supply <number> is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.14 PSU0034 : "An under voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.15 PSU0035 : "An over voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.16 PSU0036 : "An over current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.17 PSU0037 : "Fan failure detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.18 PSU0038 : "Power supply <number> fan is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.19 PSU0039 : "An under current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.20 PSU0040 : "An output under voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.21 PSU0041 : "An output over voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

## 2.4.20.22 PSU0042 : "An output over current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.23 PSU0043 : "An output under current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.24 PSU0044 : "Cannot obtain status information from power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.25 PSU0045 : "Power supply <number> status information successfully obtained."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.26 PSU0046 : "Communication has been restored to power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.27 PSU0076 : "A power supply wattage mismatch is detected; power supply <number> is rated for <value> watts."

When event is generated, message will have the following substitutions:

- . <number> = "1"

# 2.4.20.28 PSU0077 : "Power supply <number> vendor type mismatch detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.29 PSU0078 : "Power supply <number> revision mismatch detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.20.30 PSU0080 : "Power supply <number> voltage rating does not match the systems requirements."

# 2.4.20.31 PSU0090 : "Power supply <number> wattage mismatch corrected."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.20.32 PSU0091 : "Power supply unit <PSU number> rating exceeds the system power distribution limits."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

## 2.4.20.33 PSU0092 : "Power supply unit <PSU number> rating is appropriate for the system power distribution limits."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

## 2.4.21 Subcategory : PSU Absent [Prefix : PSUA]

## 2.4.21.1 PSUA0016 : "Power supply <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.22 Subcategory : Power Usage [Prefix : PWR]

2.4.22.1 PWR1000 : "The system performance restored."

2.4.22.2 PWR1001 : "The system performance degraded."

2.4.22.3 PWR1002 : "The system performance degraded because of thermal protection."

2.4.22.4 PWR1003 : "The system performance degraded because cooling capacity has changed."

2.4.22.5 PWR1004 : "The system performance degraded because power capacity has changed."

2.4.22.6 PWR1005 : "The system performance degraded because of userdefined power capacity has changed."

2.4.22.7 PWR1006 : "The system halted because system power exceeds capacity."

2.4.22.8 PWR1007 : "The system performance degraded because power exceeds capacity."

2.4.22.9 PWR1008 : "The system performance degraded because power draw exceeds the power threshold."

2.4.22.10 PWR1009 : "System power capacity is restored."

2.4.22.11 PWR2265 : "The power supply unit (PSU) <PSU number> is disabled because of a configuration mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

DØLL

# 2.4.22.12 PWR2266 : "The power supply unit (PSU) <PSU number> is disabled because of a generation mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

# 2.4.22.13 PWR2267 : "The power supply unit (PSU) <PSU number> is disabled because of a capacity mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

# 2.4.22.14 PWR2268 : "The power supply unit (PSU) <PSU number> is disabled because of a mismatch in the input voltage and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

<PSU number> = "1"

## 2.4.22.15 PWR2269 : "The properties of Power Cap setting mode is changed."

2.4.22.16 PWR2273 : "The power required by server is within the power supplied by the power supply units (PSUs)."

2.4.22.17 PWR8557 : "The System Input Power Cap is too low to be enforced using the current Power Supply configuration."

2.4.22.18 PWR8558 : "The System Input Power Cap is being enforced with the current Power Supply configuration."

## 2.4.22.19 PWR8680 : "The <iDRAC/BIOS> firmware in the server slot <slot number> does not support the storage sled."

- $\cdot$  <iDRAC/BIOS> = "iDRAC"

# 2.4.22.20 PWR8681 : "The <iDRAC/BIOS> firmware in the server slot <slot number> does not support additional PCIe slots."

When event is generated, message will have the following substitutions:

- · <iDRAC/BIOS> = "iDRAC"

## 2.4.22.21 PWR8682 : "Unable to turn on the storage sled controller <controller number> in slot <slot number> because the <module name> module is not functioning."

When event is generated, message will have the following substitutions:

- . <controller number> = "1"
- <module name> = "Expander"

### 2.4.22.22 PWR8686 : "The Chassis Management Controller (CMC) is unable to turn on the storage sleds associated with server in slot <slot number> because the iDRAC firmware version in the server does not support the chassis storage module."

When event is generated, message will have the following substitutions:

## 2.4.22.23 PWR8687 : "The Chassis Management Controller (CMC) is unable to turn on the storage sled controller installed on server in slot <server slot> because the server does not have a Mezzanine card."

When event is generated, message will have the following substitutions:

## 2.4.23 Subcategory : RAC Event [Prefix : RAC]

2.4.23.1 RAC0560 : "RAC Software Initialization Error"

2.4.23.2 RAC0561 : "iDRAC to CMC communication link is not functioning for agent free monitoring of chassis PCIe slots."

2.4.23.3 RAC0562 : "iDRAC-CMC communication restored for agent free monitoring of chassis PCIe slots."

2.4.24 Subcategory : Redundancy [Prefix : RDU]

2.4.24.1 RDU0001 : "The fans are redundant."

2.4.24.2 RDU0002 : "Fan redundancy is lost."

2.4.24.3 RDU0003 : "Fan redundancy is degraded."

2.4.24.4 RDU0004 : "The fans are not redundant."

2.4.24.5 RDU0005 : "The fans are not redundant. Insufficient resources to maintain normal operations."

2.4.24.6 RDU0011 : "The power supplies are redundant."

2.4.24.7 RDU0012 : "Power supply redundancy is lost."

2.4.24.8 RDU0013 : "Power supply redundancy is degraded."

2.4.24.9 RDU0014 : "The power supplies are not redundant."

2.4.24.10 RDU0015 : "The power supplies are not redundant. Insufficient resources to maintain normal operations."

2.4.24.11 RDU0016 : "The storage voltage is redundant."

**2.4.24.12 RDU0017 : "The storage power redundancy is no longer** 2.0 Email Event Notification Test Messages

### available."

2.4.24.13 RDU0018 : "The storage power redundancy is degraded."

2.4.24.14 RDU0019 : "The storage voltage is not redundant."

## 2.4.24.15 RDU0030 : "The storage voltage of <device name> is redundant."

When event is generated, message will have the following substitutions:

 $\cdot$  <device name> = "12v"

### 2.4.24.16 RDU0031 : "The <name> voltage redundancy is lost."

When event is generated, message will have the following substitutions:

. <name> = "12v"

## 2.4.24.17 RDU0032 : "The <name> voltage redundancy is degraded."

When event is generated, message will have the following substitutions:

. <name> = "12v"

## 2.4.24.18 RDU0033 : "The <name> voltage is not redundant."

When event is generated, message will have the following substitutions:

. <name> = "12v"

## 2.4.25 Subcategory : IDSDM Media [Prefix : RFL]

## 2.4.25.1 RFL2000 : "Internal Dual SD Module <name> is present."

When event is generated, message will have the following substitutions:

### 2.4.25.2 RFL2002 : "Internal Dual SD Module <name> is offline."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

DELL

## 2.4.25.3 RFL2003 : "Internal Dual SD Module <name> is online."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

## 2.4.25.4 RFL2004 : "Failure detected on Internal Dual SD Module <name>."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

## 2.4.25.5 RFL2005 : "Internal Dual SD Module <name> is operating normally."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

## 2.4.25.6 RFL2006 : "Internal Dual SD Module <name> is write protected."

When event is generated, message will have the following substitutions:

<name> = "SD1"

## 2.4.25.7 RFL2007 : "Internal Dual SD Module <name> is writable."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

## 2.4.25.8 RFL2008 : "Internal Dual SD Module <name> is disabled."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

## 2.4.25.9 RFL2009 : "Internal Dual SD Module <name> is enabled."

When event is generated, message will have the following substitutions:

. <name> = "SD2"

## 2.4.26 Subcategory : IDSDM Absent [Prefix : RFLA]

## 2.4.26.1 RFLA2001 : "Internal Dual SD Module <name> is absent."

• <name> = "SD2"

D&LL

2.4.27 Subcategory : IDSDM Redundancy [Prefix : RRDU]

2.4.27.1 RRDU0001 : "Internal Dual SD Module is redundant."

2.4.27.2 RRDU0002 : "Internal Dual SD Module redundancy is lost."

2.4.27.3 RRDU0003 : "Internal Dual SD Module redundancy is degraded."

2.4.27.4 RRDU0004 : "Internal Dual SD Module is not redundant."

2.4.27.5 RRDU0006 : "Internal Dual SD Module rebuild initiated."

2.4.27.6 RRDU0007 : "Internal Dual SD Module rebuild completed successfully."

2.4.27.7 RRDU0008 : "Internal Dual SD Module rebuild did not complete successfully."

2.4.28 Subcategory : Security Event [Prefix : SEC]

2.4.28.1 SEC0000 : "The chassis is open."

2.4.28.2 SEC0016 : "The chassis is closed."

2.4.28.3 SEC0031 : "The chassis is open while the power is on."

2.4.28.4 SEC0032 : "The chassis is closed while the power is on."

2.4.28.5 SEC0033 : "The chassis is open while the power is off."

2.4.28.6 SEC0034 : "The chassis is closed while the power is off."

2.4.28.7 SEC0040 : "A critical stop occurred during OS load."

2.4.28.8 SEC0041 : "BIOS is unable to configure the Intel Trusted Execution Technology (TXT)."

2:4.128:9 SE©0042: Processor detected a problem while performing an

Intel Trusted Execution Technology (TXT) operation."

2.4.28.10 SEC0043 : "BIOS Authenticated Code Module detected an Intel Trusted Execution Technology (TXT) problem during POST."

2.4.28.11 SEC0044 : "SINIT Authenticated Code Module detected an Intel Trusted Execution Technology (TXT) problem at boot."

2.4.28.12 SEC0045 : "Intel Trusted Execution Technology (TXT) is operating correctly."

2.4.28.13 SEC0612 : "The default username and password is currently in use. It is recommended to immediately change the default credentials."

2.4.29 Subcategory : System Event Log [Prefix : SEL]

2.4.29.1 SEL0002 : "Logging is disabled."

2.4.29.2 SEL0003 : "Logging is enabled."

2.4.29.3 SEL0004 : "Log cleared."

2.4.29.4 SEL0006 : "All event logging is disabled."

2.4.29.5 SEL0007 : "All event logging is enabled."

2.4.29.6 SEL0008 : "System event log (SEL) is full."

2.4.29.7 SEL0010 : "System event log (SEL) is almost full."

2.4.29.8 SEL0012 : "Could not create or initialize the system event log."

2.4.29.9 SEL0013 : "The system event log was created or initialized successfully."

2.4.29.10 SEL1204 : "An unknown system hardware failure detected."

2.4.29.11 SEL1205 : "The unknown system hardware failure was corrected."

2.4.29.12 SEL1500 : "The chassis management controller (CMC) is

#### redundant."

2.4.29.13 SEL1501 : "Chassis management controller (CMC) redundancy is lost."

2.4.29.14 SEL1502 : "Chassis management controller (CMC) redundancy is degraded."

2.4.29.15 SEL1503 : "The chassis management controller (CMC) is not redundant."

2.4.29.16 SEL1504 : "The chassis management controller (CMC) is not redundant. Insufficient resources to maintain normal operations."

## 2.4.29.17 SEL1506 : "Lost communications with Chassis Group Member <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.29.18 SEL1507 : "Communications restored with Chassis Group Member <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.29.19 SEL1508 : "Member <number> could not join the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.29.20 SEL1509 : "Member <number> has joined the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.29.21 SEL1510 : "An authentication error detected for Chassis Group Member <number>."

## 2.4.29.22 SEL1511 : "Member <number> removed from the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

2.4.29.23 SEL1512 : "The Chassis Controller is not responding or is not inserted properly. The status of Chassis Controller is critical."

2.4.29.24 SEL1513 : "The status of Chassis Controller has changed from critical to OK."

2.4.29.25 SEL1514 : "The sensor indicating the inlet temperature is not responding either because the sensor is damaged, or because of damaged circuit lines for I2C bus, or a faulty sensor state."

2.4.29.26 SEL1515 : "An I2C sensor is not responding either because it is damaged, or because of damaged circuit lines for I2C bus, or a faulty sensor state."

## 2.4.30 Subcategory : Software Config [Prefix : SWC]

2.4.30.1 SWC4004 : "A firmware or software incompatibility detected between iDRAC in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.30.2 SWC4005 : "A firmware or software incompatibility was corrected between iDRAC in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.30.3 SWC4006 : "A firmware or software incompatibility detected between system BIOS in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.30.4 SWC4007 : "A firmware or software incompatibility was corrected between system BIOS in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.30.5 SWC4008 : "A firmware or software incompatibility detected between CMC 1 and CMC 2."

2.4.30.6 SWC4009 : "A firmware or software incompatibility was corrected between CMC 1 and CMC 2."

# 2.4.30.7 SWC4012 : "A firmware or software incompatibility is detected between <first component name><first component location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <second component name> = " BIOS"
- <second component location> = " in slot 1"

# 2.4.30.8 SWC4013 : "A firmware or software incompatibility was corrected between <first component name><first component location> and <second component name><second component location>."

- <second component name> = " BIOS"
- <second component location> = " in slot 1"

## 2.4.31 Subcategory : System Info [Prefix : SYS]

## 2.4.31.1 SYS198 : "Unable to communicate with internal iDRAC memory."

## 2.4.32 Subcategory : Temperature [Prefix : TMP]

# 2.4.32.1 TMP0100 : "The system board <name> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

# 2.4.32.2 TMP0101 : "The system board <name> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "Inlet"

# 2.4.32.3 TMP0102 : "The system board <name> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

## 2.4.32.4 TMP0103 : "The system board <name> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "Inlet"

# 2.4.32.5 TMP0104 : "The system board <name> temperature is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "Inlet"

# 2.4.32.6 TMP0105 : "The system board <name> temperature is within range."



# 2.4.32.7 TMP0106 : "The memory module <number> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.32.8 TMP0107 : "The memory module <number> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.32.9 TMP0108 : "The memory module <number> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.32.10 TMP0109 : "The memory module <number> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.32.11 TMP0110 : "The memory module <number> temperature is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.32.12 TMP0111 : "The memory module <number> temperature is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.32.13 TMP0112 : "The <name> temperature is less than the lower warning threshold."

# 2.4.32.14 TMP0113 : "The <name> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

· <name> = "Planer"

## 2.4.32.15 TMP0114 : "The <name> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "Planer"

## 2.4.32.16 TMP0115 : "The <name> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<name> = "Planer"

### 2.4.32.17 TMP0116 : "The <name> temperature is outside of range."

When event is generated, message will have the following substitutions:

· <name> = "Planer"

### 2.4.32.18 TMP0117 : "The <name> temperature is within range."

When event is generated, message will have the following substitutions:

. <name> = "Planer"

2.4.32.19 TMP0118 : "The system inlet temperature is less than the lower warning threshold."

2.4.32.20 TMP0119 : "The system inlet temperature is less than the lower critical threshold."

2.4.32.21 TMP0120 : "The system inlet temperature is greater than the upper warning threshold."

2.4.32.22 TMP0121 : "The system inlet temperature is greater than the upper critical threshold."

2.4.32.23 TMP0122 : "The system inlet temperature is outside of range."

2.4.32.24 TMP0123 : "The system inlet temperature is within range."

2.4.32.25 TMP0124 : "Disk drive bay temperature is less than the lower warning threshold."

2.4.32.26 TMP0125 : "Disk drive bay temperature is less than the lower critical threshold."

2.4.32.27 TMP0126 : "Disk drive bay temperature is greater than the upper warning threshold."

2.4.32.28 TMP0127 : "Disk drive bay temperature is greater than the upper critical threshold."

2.4.32.29 TMP0128 : "Disk drive bay temperature is outside of range."

2.4.32.30 TMP0129 : "Disk drive bay temperature is within range."

2.4.32.31 TMP0130 : "The control panel temperature is less than the lower warning threshold."

2.4.32.32 TMP0131 : "The control panel temperature is less than the lower critical threshold."

2.4,32.33 TMR0132 .: "The control panel temperature is greater than the period

upper warning threshold."

2.4.32.34 TMP0133 : "The control panel temperature is greater than the upper critical threshold."

2.4.32.35 TMP0134 : "The control panel temperature is outside of range."

2.4.32.36 TMP0135 : "The control panel temperature is within range."

2.4.32.37 TMP0136 : "The system is automatically turned off because of insufficient cooling."

2.4.32.38 TMP0137 : "The system cooling is working normally."

2.4.32.39 TMP0200 : "CPU <number> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.32.40 TMP0201 : "CPU <number> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.32.41 TMP0202 : "CPU <number> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 2.4.32.42 TMP0203 : "CPU <number> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.32.43 TMP0204 : "CPU <number> temperature is outside of range."



## 2.4.32.44 TMP0205 : "CPU <number> temperature is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 2.4.33 Subcategory : Temperature Statistics [Prefix : TMPS]

2.4.33.1 TMPS0100 : "Inlet temperature is above warning level for extended duration."

2.4.33.2 TMPS0101 : "Inlet temperature is above critical level for extended duration."

2.4.33.3 TMPS0102 : "Inlet temperature is above warning level for extended duration."

2.4.33.4 TMPS0103 : "Inlet temperature is above critical level for extended duration."

## 2.4.34 Subcategory : vFlash Event [Prefix : VFL]

### 2.4.34.1 VFL1001 : "Removable Flash Media <name> is present."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

### 2.4.34.2 VFL1008 : "Failure detected on Removable Flash Media <name>."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

# 2.4.34.3 VFL1009 : "Removable Flash Media <name> is operating normally."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

## 2.4.34.4 VFL1010 : "Removable Flash Media <name> was activated."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

## 2.4.34.5 VFL1011 : "Removable Flash Media <name> was deactivated."

When event is generated, message will have the following substitutions:

<name> = "vFlash"

### 2.4.34.6 VFL1014 : "Removable Flash Media <name> is write protected."

When event is generated, message will have the following substitutions:

· <name> = "vFlash"

### 2.4.34.7 VFL1015 : "Removable Flash Media <name> is writable."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

## 2.4.35 Subcategory : vFlash Absent [Prefix : VFLA]

### 2.4.35.1 VFLA1000 : "Removable Flash Media <name> is absent."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

## 2.4.36 Subcategory : Voltage [Prefix : VLT]

### 2.4.36.1 VLT0104 : "Processor module <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "3.2"

### 2.4.36.2 VLT0105 : "Processor module <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "3.2"

DELL

# 2.4.36.3 VLT0200 : "The system board <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 2.4.36.4 VLT0201 : "The system board <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 2.4.36.5 VLT0202 : "The system board <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

<name> = "VRM"

## 2.4.36.6 VLT0203 : "The system board <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<name> = "VRM"

# 2.4.36.7 VLT0204 : "The system board <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

<name> = "VRM"

### 2.4.36.8 VLT0205 : "The system board <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "12"

## 2.4.36.9 VLT0206 : "The memory module <number> <name> voltage is less than the lower warning threshold."

- $\cdot$  <number> = "A"
- . <name> = "VRM"

# 2.4.36.10 VLT0207 : "The memory module <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- . <name> = "VRM"

# 2.4.36.11 VLT0208 : "The memory module <number> <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- . <name> = "VRM"

## 2.4.36.12 VLT0209 : "The memory module <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- <name> = "VRM"

## 2.4.36.13 VLT0210 : "The memory module <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- . <name> = "VRM"

## 2.4.36.14 VLT0211 : "The memory module <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- . <name> = "VRM"

## 2.4.36.15 VLT0212 : "The disk drive bay <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

# 2.4.36.16 VLT0213 : "The disk drive bay <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

# 2.4.36.17 VLT0214 : "The disk drive bay <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 2.4.36.18 VLT0215 : "The disk drive bay <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<name> = "VRM"

## 2.4.36.19 VLT0216 : "The disk drive bay <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 2.4.36.20 VLT0217 : "The disk drive bay <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 2.4.36.21 VLT0218 : "The <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 2.4.36.22 VLT0219 : "The <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

<name> = "VRM"

# 2.4.36.23 VLT0220 : "The <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

# 2.4.36.24 VLT0221 : "The <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 2.4.36.25 VLT0222 : "The <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 2.4.36.26 VLT0223 : "The <name> voltage is within range."

When event is generated, message will have the following substitutions:

<name> = "VRM"

## 2.4.36.27 VLT0224 : "The memory module <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

## 2.4.36.28 VLT0225 : "The memory module <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

# 2.4.36.29 VLT0226 : "The memory module <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

DELL

## 2.4.36.30 VLT0227 : "The memory module <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

# 2.4.36.31 VLT0228 : "The memory module <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "A"

## 2.4.36.32 VLT0229 : "The memory module <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "A"

## 2.4.36.33 VLT0230 : "The mezzanine card <number> <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

# 2.4.36.34 VLT0231 : "The mezzanine card <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- <number> = "B1"
- . <name> = "VRM"

## 2.4.36.35 VLT0232 : "The mezzanine card <number> <name> voltage is greater than the upper warning threshold."

- . <name> = "VRM"

# 2.4.36.36 VLT0233 : "The mezzanine card <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

# 2.4.36.37 VLT0234 : "The mezzanine card <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- $\cdot$  <number> = "B1"
- . <name> = "VRM"

# 2.4.36.38 VLT0235 : "The mezzanine card <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- <name> = "VRM"

## 2.4.36.39 VLT0300 : "CPU <number> <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

## 2.4.36.40 VLT0301 : "CPU <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

# 2.4.36.41 VLT0302 : "CPU <number> <name> voltage is greater than the upper warning threshold."

- . <number> = "1"
- <name> = "VRM"

# 2.4.36.42 VLT0303 : "CPU <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

## 2.4.36.43 VLT0304 : "CPU <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

### 2.4.36.44 VLT0305 : "CPU <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- <name> = "VRM"

## 2.5 Category: Updates
#### 2.5.1 Subcategory : Firmware Download [Prefix : RED]

2.5.1.1 RED064 : "The scheduled Update from Repository job completed successfully. Applicable updates were not found."

2.5.1.2 RED065 : "The recurring scheduled update from repository job completed and updates were applied. A system restart was not required."

2.5.1.3 RED066 : "The recurring scheduled update from repository job completed and updates are staged to run after the next system restart."

2.5.1.4 RED067 : "The recurring scheduled update from repository job completed and updates were staged. The system will now restart to apply the staged updates."

### 2.5.1.5 RED068 : "Unable to successfully complete <job ID>: <job result message>"

When event is generated, message will have the following substitutions:

- · <job ID> = "JID\_123456789012"
- <job result message> = "The specified repository catalog is not supported."

#### 2.5.2 Subcategory : Software Change [Prefix : SWU]

2.5.2.1 SWU8561 : "Unable to downgrade the firmware version because the current hardware configuration does not support rollback to the earlier firmware version."

2.5.2.2 SWU8662 : "Unable to update the I/O Aggregator (IOA) firmware because of an issue in the network communication session between CMC and IOA in slot <slot ID>."

When event is generated, message will have the following substitutions:

< slot ID> = "2"

D&LL

#### **3.0 SNMP Trap Event Notification Test Messages**

#### Topics:

- Category: Audit
- Category: Configuration
- Category: Storage
- Category: System Health
- Category: Updates

#### 3.1 Category: Audit

3.1.1 Subcategory : Chassis Management Controller [Prefix : CMC]

3.1.1.1 CMC8507 : "Extended Storage for primary CMC and secondary CMC synchronization is complete."

3.1.1.2 CMC8509 : "Unable to activate the extended storage feature on the secondary CMC: <cmc number>. The feature will be deactivated."

When event is generated, message will have the following substitutions:

<cmc number> = "2"

# 3.1.1.3 CMC8510 : "Unable to activate the extended storage feature on the secondary CMC: <cmc number>. The feature will return to single CMC mode."

When event is generated, message will have the following substitutions:

<cmc number> = "2"

3

3.1.1.4 CMC8511 : "Unable to synchronize the data in the Extended Storage removable flash media in the primary and secondary CMCs."

3.1.1.5 CMC8512 : "The Extended Storage feature activation timed out. The feature is not active."

3.1.1.6 CMC8513 : "The Extended Storage feature activation on the secondary CMC timed out. The feature is being returned to single CMC mode."

3.1.1.7 CMC8535 : "Unable to turn on High Power Management for the server <slot number>"

When event is generated, message will have the following substitutions:

# 3.1.1.8 CMC8571 : "The coin cell battery in the primary CMC is not working."

#### 3.1.1.9 CMC8572 : "The coin cell battery in CMC <slot id> is not working."

When event is generated, message will have the following substitutions:

< slot id> = "1"

DELL

3.1.1.10 CMC8575 : "The RAC SSL Certificate is changed."

3.1.1.11 CMC8576 : "The RAC CA Certificate is changed."

3.1.1.12 CMC8577 : "The Remote Access Controller (RAC) Kerberos Keytab is changed."

3.1.1.13 CMC8578 : "The Remote Access Controller (RAC) SSL Certificate and key is changed."

3.1.1.14 CMC8579 : "Unable to upload the security certificate because of an Unexpected Event issue in the Remote Access Controller (RAC)."

#### 3.1.2 Subcategory : Debug [Prefix : FSD]

3.1.2.1 FSD000 : "Debug authorized by customer; debugcaps: <DebugCaps>, was authorized by: <iDRAC User>, at <unblock time> for the period: <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- · <iDRAC User> = "iDRAC User"

- <end time> = " end time"

# 3.1.2.2 FSD001 : "Debug authorized by Dell; debugcaps: <DebugCaps>, at <grant time>, was authorized by Dell employee: <Dell employee>, for the time period <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- <grant time> = "grant time"
- <Dell employee> = "Dell employee"
- <start time> = "start time"
- <end time> = "end time"

# 3.1.2.3 FSD002 : "Debug authorization failed; for debugCaps: <DebugCaps>, authorized by iDRAC user: <IDRAC user>, and Dell

# employee: <Dell employee>, at <unblock time> for the period: <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- <IDRAC user> = "IDRAC user"
- <Dell employee> = "Dell employee"

- end time> = "end time"

#### 3.1.3 Subcategory : Licensing [Prefix : LIC]

### 3.1.3.1 LIC201 : "License <entitlement ID> assigned to device <device name> expires in <number of days> days."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"
- <number of days> = "5"

#### 3.1.3.2 LIC203 : "The license <entitlement ID> has encountered an error."

When event is generated, message will have the following substitutions:

• <entitlement ID> = "DE0000000825991"

### 3.1.3.3 LIC206 : "EULA warning: Importing license <entitlement ID> may violate the End-User License Agreement."

When event is generated, message will have the following substitutions:

• <entitlement ID> = "DE0000000825991"

### 3.1.3.4 LIC207 : "License <entitlement ID> on device <device name> has expired."

- <entitlement ID> = "DE0000000825991"

# 3.1.3.5 LIC208 : "License <entitlement ID> imported to device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"

## 3.1.3.6 LIC209 : "License <entitlement ID> exported from device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"

### 3.1.3.7 LIC210 : "License <entitlement ID> deleted from device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"

#### 3.1.3.8 LIC211 : "The iDRAC feature set has changed."

#### 3.1.3.9 LIC212 : "The CMC features are changed."

#### 3.1.3.10 LIC213 : "A system error was detected during License Manager startup."

#### 3.1.4 Subcategory : PCI Device [Prefix : PCI]

# 3.1.4.1 PCI5009 : "The PCIe adapter in the PCIe slot<PCIe slot number> was removed from the slot while the server<server slot number> was turned-on."

- <PCle slot number> = "1"
- <server slot number> = "1"

#### 3.1.5 Subcategory : Power Supply [Prefix : PSU]

### 3.1.5.1 PSU8505 : "Unable to set the chassis redundancy policy to AC Redundancy."

### 3.1.5.2 PSU8512 : "Unable to update the firmware for the PSU in slot <slot number>. Error=0x<error number> (<error string>)"

When event is generated, message will have the following substitutions:

• <error number> = "99"

<error string> = "Test"

### 3.1.5.3 PSU8513 : "Unable to complete the PSU slot <number> firmware update. Error=0x<error number>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- <error number> = "99"

#### 3.1.5.4 PSU8518 : "Unable to access the PSU <slot number> FRU data."

When event is generated, message will have the following substitutions:

### 3.1.5.5 PSU8521 : "PSU <slotnum> exceeded upper temperature threshold and has been turned off."

When event is generated, message will have the following substitutions:

<slotnum> = "1"

#### 3.1.6 Subcategory : Power Usage [Prefix : PWR]

### 3.1.6.1 PWR8552 : "Chassis Management Controller is unable to turn on <component name>-<component id> because of insufficient power."

When event is generated, message will have the following substitutions:

<component name> = "Server"

#### 3.1.6.2 PWR8555 : "Chassis Management Controller unable to turn on <component name>-<slot number> at priority <priority number> because



#### of insufficient power. Minimum power needed is <min power> AC Watt, but only <available power> AC Watt is available."

When event is generated, message will have the following substitutions:

- · <component name> = "Server"
- · <priority number> = "2"
- <min power> = "100"
- <available power> = "50"

### 3.1.6.3 PWR8556 : "Server <slot number> was shutdown due to insufficient power."

When event is generated, message will have the following substitutions:

### 3.1.6.4 PWR8560 : "Unable to turn on I/O Module <IOM slot name> due to insufficient chassis power."

When event is generated, message will have the following substitutions:

· <IOM slot name> = "Switch-1"

### 3.1.6.5 PWR8561 : "Unable to power on server <server number> because of iDRAC communication issue."

When event is generated, message will have the following substitutions:

#### 3.1.6.6 PWR8563 : "Unable to turn on Server <server number> due to I/O fabric inconsistency."

When event is generated, message will have the following substitutions:

### 3.1.6.7 PWR8564 : "Unable to turn on the Server <slot number> because the power request exceeded the System Input Power Cap."

When event is generated, message will have the following substitutions:

slot number> = "1"

### 3.1.6.8 PWR8565 : "Unable to turn off the Server <server number> due to iDRAC communication issue."

When event is generated, message will have the following substitutions:

# 3.1.6.9 PWR8573 : "The Chassis Management Controller is unable to communicate to the iDRAC, when trying to turn off the server <server id>."

When event is generated, message will have the following substitutions:

. <server id> = "1"

# 3.1.6.10 PWR8574 : "The Chassis Management Controller is unable to communicate to the iDRAC, when trying to hard reset the server <slot number>."

When event is generated, message will have the following substitutions:

# 3.1.6.11 PWR8578 : "Chassis Management Controller is unable to turn on the iDRAC on server-<slot number> because power required is less than available power."

When event is generated, message will have the following substitutions:

slot number> = "1"

### 3.1.6.12 PWR8591 : "Servers are turned off to allocate power to the newly inserted hard disk drives."

### 3.1.6.13 PWR8597 : "The Power Supply Unit (PSU) <PSU number> is turned off because it is not supported by the Chassis."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

# 3.1.6.14 PWR8598 : "The Power Supply Unit (PSU) <PSU number> is turned off because it is not compatible with the other PSUs used in the Chassis."

#### 3.1.6.15 PWR8655 : "Chassis Management Controller (CMC) is unable to turn on the component <component name>-<slot number> because of insufficient power. The minimum required power is <min power> AC Watts, but only <available power> AC Watts is available."

When event is generated, message will have the following substitutions:

- slot number> = "1"
- . <min power> = "100"
- <available power> = "50"

# 3.1.6.16 PWR8656 : "Chassis Management Controller (CMC) is unable to turn on the component <component name>-<slot number> because of insufficient power."

When event is generated, message will have the following substitutions:

- · <component name> = "Server"

#### 3.1.6.17 PWR8663 : "Unable to turn on the server <server number> because of an inconsistency between the I/O module and mezzanine card."

When event is generated, message will have the following substitutions:

<server number> = "1"

### 3.1.6.18 PWR8669 : "Unable to turn on the server < server number> because of an inconsistency between the chassis and server components."

When event is generated, message will have the following substitutions:

<server number> = "1"

# 3.1.6.19 PWR8670 : "Unable to turn on server<slot ID> because the required power <power level> AC Watts exceeds the subsystem Connector Limit <power limit> AC Watts for IO modules, Blowers and Servers."

When event is generated, message will have the following substitutions:

<slot ID> = "1"

- <power limit> = "100"

### 3.1.6.20 PWR8671 : "The Chassis Management Controller is unable to set the Enhanced Cooling Mode because the requested power < requested

### power level> AC Watts exceeds the subsystem power limit <power limit> AC Watts for IO Modules, Blowers and Servers."

When event is generated, message will have the following substitutions:

• <requested power level> = "200"

• <power limit> = "100"

#### 3.1.7 Subcategory : Software Change [Prefix : SWU]

3.1.7.1 SWU8663 : "Unable to downgrade the firmware version because the Federal Information Processing Standard (FIPS) mode is enabled on Chassis Management Controller (CMC)."

#### 3.1.8 Subcategory : System Info [Prefix : SYS]

3.1.8.1 SYS1000 : "System is turning on."

3.1.8.2 SYS1001 : "System is turning off."

3.1.8.3 SYS1002 : "System is performing a power cycle."

3.1.8.4 SYS1003 : "System CPU Resetting."

#### 3.1.9 Subcategory : User Tracking [Prefix : USR]

# 3.1.9.1 USR0034 : "Login attempt alert for <username> from <IP Address> using <interface name>, IP will be blocked for <seconds> seconds."

When event is generated, message will have the following substitutions:

• <IP Address> = "10.10.10.10"

- · <interface name> = "RACADM"
- seconds> = "300"

# 3.1.9.2 USR0175 : "The Front Panel USB Port Over Current is detected for the attached device on Disk.USBFront.<port number>."



#### 3.2 Category: Configuration

#### 3.2.1 Subcategory : Auto-Discovery [Prefix : DIS]

3.2.1.1 DIS100 : "The AutoConfig operation is successful."

3.2.1.2 DIS101 : "The execution of AutoConfig operation is started."

3.2.1.3 DIS102 : "Unable to start the AutoConfig import operation, because the AutoConfig import file is not available."

3.2.1.4 DIS103 : "The AutoConfig operation is unable to access a network share folder, because incorrect credentials are specified in the DHCP scope option field where the VendorID=iDRAC."

3.2.1.5 DIS104 : "The AutoConfig operation is unable to access the network share folder, because an invalid filename is specified in the DHCP scope option field where the VendorID=iDRAC."

3.2.1.6 DIS105 : "The AutoConfig operation is unable to access the network share folder, because an invalid sharetype value is specified in the DHCP scope option field where the VendorID=iDRAC."

3.2.1.7 DIS106 : "Unable to start the AutoConfig file import operation, because an invalid shutdown type was specified in the DHCP scope option field where the VendorID=iDRAC."

3.2.1.8 DIS107 : "Unable to start the AutoConfig file import operation, because an invalid AutoConfig time-to-wait value is specified in the DHCP scope option field where the VendorID=iDRAC."

3.2.1.9 DIS108 : "Unable to start the AutoConfig import operation, because Lifecycle Controller is not enabled."

3.2.1.10 DIS109 : "Unable to start the AutoConfig file import operation, because an invalid End Host Power State value is specified in the DHCP scope option field where the VendorID=iDRAC."

3.2.1.11 DIS110 : "The AutoConfig operation is completed."

(9:2) 1.12 DIS111 : "The AutoConfig operation is started." In Notification Test Messages | 157

3.2.1.13 DIS112 : "The AutoConfig operation is using the <file name> file."

# 3.2.1.14 DIS113 : "Unable to start the AutoConfig file import operation, because no options were specified in the DHCP scope option field where the VendorID=iDRAC."

3.2.1.15 DIS114 : "The AutoConfig feature timed out while waiting for Remote Services to be ready."

3.2.1.16 DIS115 : "Unable to start the AutoConfig file import operation, because no options were specified in the DHCP scope option field where the VendorID=iDRAC."

3.2.1.17 DIS116 : "Unable to complete the AutoConfig operation because the parameter <parameter name> is not of flag type, which is causing a syntax error."

When event is generated, message will have the following substitutions:

· <parameter name> = "param"

### 3.2.1.18 DIS118 : "Unable to complete the AutoConfig operation because the flag <flag name> is not recognized, which is causing a syntax error."

When event is generated, message will have the following substitutions:

• <flag name> = "flag2"

### 3.2.1.19 DIS119 : "The AutoConfig operation Timeout value is set to <num> minutes."

When event is generated, message will have the following substitutions:

. <num> = "num1"

### 3.2.1.20 DIS120 : "Unable to start the AutoConfig import operation because the AutoConfig import file, <file name>, is not available."

When event is generated, message will have the following substitutions:

. <file name> = "filename1"

#### 3.2.2 Subcategory : IO Identity Optimization [Prefix : IOID]

# 3.2.2.1 IOID110 : "The virtual address of <controller> Port <port> is configured."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"
- . <port> = " 1"

### 3.2.2.2 IOID111 : "Unable to configure the virtual address of <controller> Port <port>."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"

### 3.2.2.3 IOID112 : "The initiator properties of the <Controller> Port <Port> are successfully configured."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = " 1"

#### 3.2.2.4 IOID113 : "Unable to configure the initiator properties of <Controller> Port <Port>."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = " 1"

### 3.2.2.5 IOID114 : "The target settings properties of the <controller> Port <port> are successfully configured."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"
- ort> = " 1"

### 3.2.2.6 IOID115 : "Unable to configure the target settings properties of the <controller> Port <port>."

3.2.2.7 IOID116 : "Applying I/O Identity settings based on current persistence policy settings."

3.2.2.8 IOID117 : "The operation to apply I/O Identity settings based on current persistence policy settings has completed successfully."

3.2.2.9 IOID118 : "Unable to configure some or all I/O Identity settings based on current persistence policy settings."

3.2.2.10 IOID119 : "FlexAddress is enabled on all NIC and FC HBA devices."

#### 3.2.3 Subcategory : IP Address [Prefix : IPA]

# 3.2.3.1 IPA0100 : "The iDRAC IP Address changed from <old IP Address> to <new IP Address>."

When event is generated, message will have the following substitutions:

- <old IP Address> = "192.168.1.100"
- . <new IP Address> = "192.168.2.100"

#### 3.2.4 Subcategory : Job Control [Prefix : JCP]

# 3.2.4.1 JCP027 : "The (installation or configuration) job <job ID> is successfully created on iDRAC."

When event is generated, message will have the following substitutions:

. <job ID> = "JID\_123456789012"

### 3.2.4.2 JCP037 : "The (installation or configuration) job <job ID> is successfully completed."

When event is generated, message will have the following substitutions:

. <job ID> = "JID\_123456789012"

### 3.2.4.3 JCP038 : "Unable to run the (installation or configuration) job <job ID> because <reason>."

. <reason> = " why"

#### 3.2.5 Subcategory : PCI Device [Prefix : PCI]

### 3.2.5.1 PCI5001 : "A PCIe card carrier containing a PCIe card is inserted in PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

### 3.2.5.2 PCI5002 : "A PCIe card carrier that does not contain a PCIe card is inserted in the PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

# 3.2.5.3 PCI5003 : "A PCIe card carrier is removed from the PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

#### 3.2.6 Subcategory : Security Event [Prefix : SEC]

3.2.6.1 SEC0700 : "Warning: Default username and password are currently in use. It is strongly recommended to change the default password before configuring the property. Else, it causes a severe security risk for iDRAC."

#### 3.2.7 Subcategory : Software Config [Prefix : SWC]

3.2.7.1 SWC0078 : "The server has been successfully removed from Integrated Data Center."

3.2.7.2 SWC0079 : "iDRAC entered into Integrated Data Center Troubleshooting Mode."

3.2.7.3 SWC0080 : "iDRAC exited from Integrated Data Center Troubleshooting Mode."

3.2.7.4 SWC0081 : "Integrated Data Center mode enabled."

3.2.7.5 SWC0082 : "Unable to join Integrated Data Center network."

3.2.7.6 SWC0083 : "The iDRAC is successfully removed from the Integrated Data Center network."

3.2.7.7 SWC0084 : "The iDRAC successfully joined Integrated Data Center network."

3.2.7.8 SWC0085 : "The Integrated Data Center mode is disabled."

3.2.7.9 SWC0086 : "The Integrated Data Center Public IP mode is enabled."

3.2.7.10 SWC0087 : "The Integrated Data Center Public IP mode is disabled."

3.2.7.11 SWC8623 : "Unable to save the I/O Aggregator configuration in

#### <slot id>."

When event is generated, message will have the following substitutions:

. <slot id> = "2"

## 3.2.7.12 SWC8624 : "The network communication session between CMC and I/O Aggregator cannot be started on <slot id>."

When event is generated, message will have the following substitutions:

< <slot id> = "2"

#### 3.3 Category: Storage

#### 3.3.1 Subcategory : Battery Event [Prefix : BAT]

#### 3.3.1.1 BAT1000 : "Battery on <controller name> is missing."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.1.2 BAT1001 : "Battery on <controller name> was replaced."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.3 BAT1002 : "The battery on <controller name> learn cycle has started."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.4 BAT1003 : "The battery on <controller name> learn cycle has completed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

DELL

# 3.3.1.5 BAT1004 : "The battery on <controller name> learn cycle has timed out."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.6 BAT1008 : "Write policy on <controller name> was changed to Write Through."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.7 BAT1009 : "Write policy on <controller name> was changed to Write Back."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.8 BAT1020 : "The <Controller name> battery is executing a learn cycle."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 3.3.1.9 BAT1021 : "The charge level for the battery on <controller name> is below the normal threshold."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.10 BAT1023 : "The charge level for the battery on <controller name> is within normal limits."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.1.11 BAT1024 : "Errors detected with battery on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

# 3.3.1.12 BAT1025 : "<controller name> is unable to recover cached data from the Battery Backup Unit (BBU)."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

# 3.3.1.13 BAT1026 : "The <controller name> has recovered cached data from the Battery Backup Unit (BBU)."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.14 BAT1027 : "The battery on <controller name> completed a charge cycle."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.1.15 BAT1028 : "The battery voltage on <controller name> is low."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.16 BAT1029 : "The battery on <controller name> can no longer recharge."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.17 BAT1031 : "The battery temperature on <controller name> is above normal."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.18 BAT1032 : "The battery temperature on <controller name> is normal."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.1.19 BAT1033 : "The battery on <controller name> was removed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.20 BAT1034 : "The battery properties for <controller name> have changed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.1.21 BAT1037 : "A battery is detected on the Controller <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.2 Subcategory : Cable [Prefix : CBL]

#### 3.3.2.1 CBL0008 : "One or more cables are missing from <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Chassis Slot 5"

#### 3.3.3 Subcategory : Storage Controller [Prefix : CTL]

#### 3.3.3.1 CTL1 : "Controller event log: <message>"

When event is generated, message will have the following substitutions:

• <message> = "A foreign configuration was detected on RAID Controller in Slot 2"

#### 3.3.3.2 CTL10 : "<Controller name> alarm has been tested."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.3 CTL100 : "The Patrol Read operation was stopped and did not complete for <controller name>."

#### 3.3.3.4 CTL101 : "The <controller name> is disabled."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.3.5 CTL102 : "The <controller name> is enabled."

When event is generated, message will have the following substitutions:

### 3.3.3.6 CTL103 : "The Check Consistency Mode value of <controller name> is set to <attribute value>."

When event is generated, message will have the following substitutions:

- <controller name> = "RAID Controller in Slot 5"

# 3.3.3.7 CTL104 : "The Enhanced Auto Import Foreign Config value of <controller name> is set to <attribute value>."

When event is generated, message will have the following substitutions:

- <controller name> = "RAID Controller in Slot 5"

### 3.3.3.8 CTL105 : "The Patrol Read attribute <attribute name> is set to <attribute value> for <controller name>."

When event is generated, message will have the following substitutions:

- <attribute name> = "Patrol read mode"
- <attribute value> = "Enabled"
- <controller name> = "RAID Controller in Slot 5"

### 3.3.3.9 CTL106 : "The Background Initialization Rate of <controller name> is set to <initialization rate value>."

- <controller name> = "Controller in slot 3"
- <initialization rate value> = "13"

# 3.3.3.10 CTL107 : "The Rebuild Rate of <controller name> is set to <rebuild rate value>."

When event is generated, message will have the following substitutions:

- <controller name> = "Controller in slot 3"
- <rebuild rate value> = "13"

### 3.3.3.11 CTL109 : "The Reconstruct Rate of <controller name > is set to <reconstruct rate value>."

When event is generated, message will have the following substitutions:

- <controller name > = "Controller in Slot 3"
- <reconstruct rate value> = "14"

#### 3.3.3.12 CTL11 : "Configuration on <controller name> was reset."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.3.13 CTL110 : "The Patrol Read Rate of <controller name > is set to <patrol read rate>."

When event is generated, message will have the following substitutions:

- <controller name > = "Controller in SLot 3"
- · <patrol read rate> = "13"

### 3.3.3.14 CTL111 : "The CopyBack Mode of <controller name> is set to <copyback mode>."

When event is generated, message will have the following substitutions:

- <controller name> = "Controller in Slot 1"
- . <copyback mode> = "ON"

### 3.3.3.15 CTL112 : "The Loadbalance Mode of <controller name> is set to <loadbalance mode>."

- <controller name> = "Controller in Slot 3"
- · <loadbalance mode> = "Disabled"

# 3.3.3.16 CTL113 : "The controller <controller name> is operating in Degraded Fault Tolerant Mode because of a mismatch between the encryption key setting of the controller and its peer controller."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

# 3.3.3.17 CTL114 : "The encryption key of <controller name> matches with its peer controller."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

### 3.3.3.18 CTL117 : "Unable to complete the operation because an invalid passphrase is passed for the controller <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

### 3.3.3.19 CTL12 : "An invalid SAS configuration has been detected on <Controller name>. Details: <error message>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- <error message> = "SAS topology error: SMP function failed"

#### 3.3.3.20 CTL13 : "The <Controller name> cache has been discarded."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 3.3.3.21 CTL14 : "Single-bit ECC error limit exceeded on the <controller name> DIMM."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.3.22 CTL28 : "The Background Initialization (BGI) rate has changed for <Controller name>."

# 3.3.3.23 CTL29 : "The Patrol Read rate has changed for <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

# 3.3.3.24 CTL30 : "The Check Consistency rate has changed for <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 3.3.3.25 CTL34 : "A foreign configuration was cleared on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

# 3.3.3.26 CTL35 : "A foreign configuration was imported on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

# 3.3.3.27 CTL36 : "The Patrol Read mode has changed for <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.28 CTL37 : "A Patrol Read operation started for <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.3.29 CTL38 : "The Patrol Read operation completed for <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.3.30 CTL39 : "The <Controller name> reconstruct rate has changed."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.31 CTL40 : "Multi-bit ECC error on <Controller name> DIMM."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.32 CTL41 : "Single-bit ECC error on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 3.3.3.33 CTL42 : "Enclosure Management Module (EMM) hot plug is not supported on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 3.3.3.34 CTL44 : "Diagnostic message <message> from <Controller name>"

When event is generated, message will have the following substitutions:

- <message> = "BBU Retention test failed!"
- <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.35 CTL45 : "Single-bit ECC error on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

# 3.3.3.36 CTL46 : "Single-bit ECC error. The <Controller name> DIMM is critically degraded."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.37 CTL47 : "Single-bit ECC error on <Controller name>."



# 3.3.3.38 CTL48 : "A foreign configuration was detected on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.3.39 CTL49 : "The NVRAM has corrupted data on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.40 CTL50 : "The <Controller name> NVRAM has corrupt data."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.41 CTL51 : "<Controller name> SAS port report: <message>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- <message> = "SAS wide port 0 lost link on PHY 0"

#### 3.3.3.42 CTL52 : "<Controller name> SAS port report: <args>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- <args> = " not implemented."

### 3.3.3.43 CTL57 : "The factory default settings were restored on <controller Name>."

When event is generated, message will have the following substitutions:

• <controller Name> = "RAID Controller in Slot 5"

# 3.3.3.44 CTL58 : "<Controller name> SAS SMP communications error <args>"

- <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.45 CTL59 : "<Controller name> SAS expander error: <args>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- · <args> = " not implemented"

### 3.3.3.46 CTL61 : "Physical disks found missing from configuration during boot time on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

# 3.3.3.47 CTL62 : "<VD names> on <Controller name> has missing drives and will go offline at boot."

When event is generated, message will have the following substitutions:

- VD names> = "not implemented"
- <Controller name> = " RAID Controller in Slot 5"

### 3.3.3.48 CTL63 : "Previous configuration was found completely missing during boot time on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 3.3.3.49 CTL72 : "The foreign configuration overflow has occurred on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 3.3.3.50 CTL73 : "Foreign configuration is imported only partially. Some configurations failed to import on <Controller name>."

When event is generated, message will have the following substitutions:

<Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.51 CTL74 : "Preserved cache detected on <controller name>."

When event is generated, message will have the following substitutions:

<controller name> = "RAID Controller in Slot 5"

#### 3.3.3.52 CTL75 : "Preserved cache discarded on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.3.53 CTL76 : "A configuration command could not be committed to disk on <Controller name>"

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 3.3.3.54 CTL81 : "Security key assigned to <controller name> is modified."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 3.3.3.55 CTL97 : "<controller name> personality changed to <new mode> mode."

When event is generated, message will have the following substitutions:

- <controller name> = "RAID Controller in Slot 5"
- . <new mode> = " HBA"

#### 3.3.3.56 CTL98 : "Security key assigned to <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 3.3.3.57 CTL99 : "Security key assigned to <controller name> is deleted."

When event is generated, message will have the following substitutions:

<controller name> = "RAID Controller in Slot 5"

#### 3.3.4 Subcategory : Storage Enclosure [Prefix : ENC]

#### 3.3.4.1 ENC1 : "< Enclosure Management Module Name> was inserted."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 3.3.4.2 ENC12 : "Communication resumed on < Enclosure Name>."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.4.3 ENC14 : "The number of enclosures connected on <controller name> has exceeded the maximum limit supported by the controller."

When event is generated, message will have the following substitutions:

<controller name> = "port 0 of Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.4.4 ENC18 : "Communication with <enclosure name> was lost."

When event is generated, message will have the following substitutions:

• <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.4.5 ENC19 : "< Enclosure Management Module Name> has failed."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 3.3.4.6 ENC2 : "< Enclosure Management Module Name> was removed."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 3.3.4.7 ENC22 : "The <Enclosure Name> has a bad sensor <args>."

When event is generated, message will have the following substitutions:

- <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- · <args> = " not implemented"

#### 3.3.4.8 ENC23 : "<enclosure name> - Issue with PHY <PHY data>."

When event is generated, message will have the following substitutions:

- <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <PHY data> = " not implemented"

#### 3.3.4.9 ENC24 : "Communication with <enclosure name> is intermittent."

#### 3.3.4.10 ENC25 : "<enclosure name> has a hardware error."

When event is generated, message will have the following substitutions:

• <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.4.11 ENC26 : "<enclosure name> is not responding."

When event is generated, message will have the following substitutions:

• <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

# 3.3.4.12 ENC28 : "Enclosure Management Module (EMM) firmware version mismatch detected in <enclosure name>.<EMM 0 version> <EMM 1 version>."

When event is generated, message will have the following substitutions:

- <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <EMM 0 version> = ".12"
- <EMM 1 version> = ".11"

#### 3.3.4.13 ENC29 : "< Enclosure Name> temperature has returned to normal."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.4.14 ENC3 : "< Enclosure Name> is shutdown."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.4.15 ENC31 : "Firmware download on < Enclosure Name> has failed."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.4.16 ENC40 : "A new enclosure was detected on <controller name>."

When event is generated, message will have the following substitutions:

<controller name> = "RAID Controller in Slot 5"

#### 3.3.5 Subcategory : Fan Event [Prefix : FAN]

#### 3.3.5.1 FAN1000 : "<Fan Sensor Name> was removed."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.5.2 FAN1001 : "<Fan Sensor Name> has been inserted."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 4 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 3.3.5.3 FAN1002 : "<Fan Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 4 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 3.3.6 Subcategory : Physical Disk [Prefix : PDR]

#### 3.3.6.1 PDR1 : "<physical disk> copyback stopped for rebuild."

When event is generated, message will have the following substitutions:

<physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.2 PDR10 : "<physical disk> rebuild has started."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.3 PDR105 : "The physical disk drive <physical disk drive name> is assigned as a dedicated hot-spare."

When event is generated, message will have the following substitutions:

• cphysical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.4 PDR106 : "The physical disk drive <physical disk drive name> is unassigned as a dedicated hot-spare."

### 3.3.6.5 PDR107 : "The physical disk drive <physical disk drive name> is assigned as a global hot-spare."

When event is generated, message will have the following substitutions:

• cphysical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.6 PDR108 : "The physical disk drive <physical disk drive name> is unassigned as a global hot spare."

When event is generated, message will have the following substitutions:

• cphysical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.7 PDR11 : "<physical disk> rebuild was cancelled."

When event is generated, message will have the following substitutions:

<physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.8 PDR112 : "The <PCIe solid state device name> has reached <percent> of warranted device wear-out limit."

When event is generated, message will have the following substitutions:

- <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"
- . <percent> = " 80%"

### 3.3.6.9 PDR113 : "The <PCIe solid state device name> has reached or exceeded its warranted wear-out limit."

When event is generated, message will have the following substitutions:

• <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"

### 3.3.6.10 PDR115 : "The <PCIe solid state device name> is in read-only mode."

When event is generated, message will have the following substitutions:

• <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"

### 3.3.6.11 PDR116 : "Predictive failure reported for <PCIe solid state device name>"

PCIe solid state device name> = "PCIe Solid-State Drive in Slot 9 in Bay 1"

# 3.3.6.12 PDR117 : "The <PCIe solid state device name> has turned off because the critical temperature threshold is exceeded."

When event is generated, message will have the following substitutions:

PCIe solid state device name> = "PCIe Solid-State Drive in Slot 9 in Bay 1"

#### 3.3.6.13 PDR13 : "<physical disk> rebuild has failed."

When event is generated, message will have the following substitutions:

cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.14 PDR15 : "<physical disk> rebuild is complete."

When event is generated, message will have the following substitutions:

cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.15 PDR16 : "Predictive failure reported for <physical disk>."

When event is generated, message will have the following substitutions:

cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

# 3.3.6.16 PDR2 : "Insufficient space available on <physical disk> to perform a copyback operation."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.17 PDR26 : "<physical disk> is online."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.18 PDR3 : "<PD Name> is not functioning correctly."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.19 PDR37 : "The <physical device> is not supported."

• optimized device> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.20 PDR38 : "A clear operation started on <physical disk>."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.21 PDR4 : "<physical disk> returned to a ready state."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.22 PDR41 : "The clear operation on <physical disk> was cancelled."

When event is generated, message will have the following substitutions:

• controller in Slot 5"

#### 3.3.6.23 PDR43 : "The clear operation on <physical disk> has completed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.24 PDR44 : "The clear operation on <physical disk> failed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.25 PDR46 : "Patrol Read found an uncorrectable media error on <physical disk>."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.26 PDR47 : "A block on <physical disk> was punctured by the controller."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.27 PDR48 : "The <physical disk> rebuild has resumed."
• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.28 PDR49 : "The dedicated hot spare <PD Name> is too small."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.29 PDR5 : "<PD Name> is removed."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.30 PDR50 : "Insufficient space on the global hot spare <PD Name>."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

## 3.3.6.31 PDR51 : "Hot spare <physical disk> SMART polling has failed.<args>"

When event is generated, message will have the following substitutions:

- chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <args> = " Error 123"

#### 3.3.6.32 PDR52 : "A redundant path is broken."

#### 3.3.6.33 PDR53 : "A redundant path has been restored for <PD Name>."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.34 PDR54 : "A disk media error on <physical disk> was corrected during recovery."

When event is generated, message will have the following substitutions:

• controller in Slot 5"

### 3.3.6.35 PDR55 : "Insufficient space available on the <physical disk> to perform a rebuild."

When event is generated, message will have the following substitutions:

<physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.36 PDR56 : "Bad block table on <physical disk> is 80% full."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.37 PDR57 : "Bad block table on <physical disk> is full. Unable to log block <logical block address >."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <logical block address > = "a1b1c1d1e1f1"

#### 3.3.6.38 PDR59 : "A bad disk block was reassigned on <physical disk>."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.39 PDR6 : "<physical disk> is offline."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.40 PDR60 : "Error occurred on <physical disk> : <error code>."

When event is generated, message will have the following substitutions:

- controller in Slot 5"
- <error code> = " Error 123"

### 3.3.6.41 PDR61 : "The rebuild of <physical disk> failed due to errors on the source physical disk."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.42 PDR62 : "The rebuild failed due to errors on the target <physical disk>."

When event is generated, message will have the following substitutions:

• controller in Slot 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

# 3.3.6.43 PDR63 : "A bad disk block on <physical disk> cannot be reassigned during a write operation."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

## 3.3.6.44 PDR64 : "An unrecoverable disk media error occurred on <physical disk>."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.45 PDR69 : "Rebuild not possible on <physical disk>."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.46 PDR70 : "Copyback started from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- cphysical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

## 3.3.6.47 PDR71 : "Copyback completed from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <physical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

# 3.3.6.48 PDR72 : "Copyback resumed on <physical disk> from <physical disk>."

When event is generated, message will have the following substitutions:

- <physical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

## 3.3.6.49 PDR73 : "Copyback failed from <physical disk> to <physical disk>."



- optimized disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- cphysical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

#### 3.3.6.50 PDR75 : "Copyback stopped for hot spare <physical disk> ."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

## 3.3.6.51 PDR77 : "<physical disk> state changed from READY to Non-RAID."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.52 PDR79 : "A user terminated Copyback from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- controller in Slot 5"

#### 3.3.6.53 PDR8 : "<PD Name> is inserted."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.54 PDR81 : "Microcode update started on <physical disk>."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.55 PDR82 : "<physical disk> security was activated."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.56 PDR83 : "<PD Name> is reprovisioned."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.57 PDR84 : "<physical disk> Security key has changed."

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.58 PDR85 : "Security subsystem errors detected for <physical disk>."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.59 PDR86 : "Bad block table on <physical disk> is full."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.60 PDR87 : "<physical device> was reset."

When event is generated, message will have the following substitutions:

controller of Physical device> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.6.61 PDR88 : "Power state change failed on <PD Name>. (from <state> to <state>)"

When event is generated, message will have the following substitutions:

- <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <state> = "Spun Up"

#### 3.3.6.62 PDR93 : "Microcode update on <physical disk> has completed."

When event is generated, message will have the following substitutions:

controller in Slot 5"
 controller in Slot 5"

#### 3.3.6.63 PDR94 : "Microcode update on <physical disk> has timed out."

When event is generated, message will have the following substitutions:

• controller in Slot 5"

#### 3.3.6.64 PDR95 : "Microcode update on <physical disk> has failed."

When event is generated, message will have the following substitutions:

• controller in Slot 5"

#### 3.3.6.65 PDR96 : "Security was disabled on <physical disk>."

v <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.66 PDR97 : "<physical disk> security key required."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.6.67 PDR98 : "Command timeout occurred on <physical disk>.<args>."

When event is generated, message will have the following substitutions:

- controller in Slot 5"

## 3.3.6.68 PDR99 : "The secure erase operation on Self Encryption Disk < PD Name > has completed."

When event is generated, message will have the following substitutions:

• < PD Name > = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.7 Subcategory : Power Supply [Prefix : PSU]

### 3.3.7.1 PSU1000 : "Power supply cable has been removed from <PSU Sensor Name>."

When event is generated, message will have the following substitutions:

<PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.7.2 PSU1001 : "<PSU Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.7.3 PSU1002 : "<PSU Sensor Name> was removed"

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.7.4 PSU1003 : "<PSU Sensor Name> is switched OFF."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

# 3.3.7.5 PSU1004 : "Power supply cable has been inserted into <PSU Sensor Name>."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.7.6 PSU1005 : "<PSU sensor name> is switched on."

When event is generated, message will have the following substitutions:

• <PSU sensor name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.7.7 PSU1006 : "<PSU sensor name> was inserted."

When event is generated, message will have the following substitutions:

• <PSU sensor name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.7.8 PSU1007 : "<PSU Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.7.9 PSU1010 : "The DC power supply is switched off."

### 3.3.8 Subcategory : Security Event [Prefix : SEC]

#### 3.3.8.1 SEC0100 : "The <module name> in slot <slot number> is open."

When event is generated, message will have the following substitutions:

- <module name> = "Storage disk tray"

### 3.3.8.2 SEC0101 : "The <module name> in slot <slot number> is opened for more than 3 minutes."

When event is generated, message will have the following substitutions:

- <module name> = "Storage disk tray"
- $\cdot$  <slot number> = "2"

#### 3.3.8.3 SEC0102 : "The <module name> in slot <slot number> is closed."



### 3.3.9 Subcategory : SSD Devices [Prefix : SSD]

# 3.3.9.1 SSD0001 : "The Write Endurance of Solid state drive (SSD) <drive FQDD> is less than the threshold value of Remaining Write Rated Endurance."

When event is generated, message will have the following substitutions:

• <drive FQDD> = "PCle Solid-State Drive in Slot 9 in Bay 1."

### 3.3.9.2 SSD0002 : "The Available Spare of solid state drive (SSD) <drive FQDD> is less than the threshold value of Available Spare Alert."

When event is generated, message will have the following substitutions:

• <drive FQDD> = "PCle Solid-State Drive in Slot 9 in Bay 1"

### 3.3.10 Subcategory : Storage [Prefix : STOR]

#### 3.3.10.1 STOR1 : "A device <device name> is in an unknown state."

When event is generated, message will have the following substitutions:

<device name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.10.2 STOR10 : "Access to shared storage will not be available, because the RAID controller is unable to turn on."

3.3.10.3 STOR11 : "The currently detected hardware configuration is High Availability Ready. However, the current software solution does not yet support high availability."

3.3.10.4 STOR12 : "Chassis is operating with a disabled RAID controller."

3.3.10.5 STOR13 : "Unable to set the operation mode of the newly inserted storage sled in slot <slot number> to Split Single or Split Dual Host, because the storage sled has only one PERC controller."

When event is generated, message will have the following substitutions:

<slot number> = "3"

# 3.3.10.6 STOR14 : "The peripheral sled in slot <slot number> initialization is not complete."

When event is generated, message will have the following substitutions:

## 3.3.10.7 STOR15 : "The storage sled <slot number> is improperly configured."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 3.3.10.8 STOR16 : "The storage sled <slot number> configuration is normal."

When event is generated, message will have the following substitutions:

#### 3.3.10.9 STOR2 : "SCSI sense data <args>."

When event is generated, message will have the following substitutions:

### 3.3.10.10 STOR7 : "The storage management instrumentation is performing an inventory refresh operation."

### 3.3.11 Subcategory : Temperature [Prefix : TMP]

### 3.3.11.1 TMP1000 : "<tempsensor name> exceeded the maximum warning threshold."

When event is generated, message will have the following substitutions:

<tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.11.2 TMP1001 : "<tempsensor name> has crossed the minimum warning threshold."

When event is generated, message will have the following substitutions:

• <tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

# 3.3.11.3 TMP1002 : "<tempsensor name> has exceeded the maximum failure threshold."

When event is generated, message will have the following substitutions:

<tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.11.4 TMP1003 : "<tempsensor name> has crossed the minimum failure threshold."

When event is generated, message will have the following substitutions:

<tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.11.5 TMP1004 : "The temperature sensor <temperature sensor name> is now within configured threshold values."

When event is generated, message will have the following substitutions:

• <temperature sensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.11.6 TMP7 : "<Temp Sensor Name> has failed."

When event is generated, message will have the following substitutions:

<Temp Sensor Name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 3.3.12 Subcategory : Virtual Disk [Prefix : VDR]

#### 3.3.12.1 VDR1 : "<VD Name> failed."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.2 VDR10 : "Formatting the <VD Name> has started."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.3 VDR100 : "<virtual disk> is unavailable because of incompatibilities with the current controller."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.4 VDR101 : "Virtual Adapter mapping reported for <Virtual Disk Name>. Virtual Adapter 1 is now <Access Policy 1>. Virtual Adapter 2 is now <Access Policy 2>. Virtual Adapter 3 is now <Access Policy 3>. Virtual Adapter 4 is now <Access Policy 4>"

When event is generated, message will have the following substitutions:

- <Virtual Disk Name> = "Virtual Disk 0 on Integrated RAID Controller 0"
- <Access Policy 1> = " Read/Write"
- <Access Policy 2> = "No Access"
- <Access Policy 3> = " No Access"
- <Access Policy 4> = "No Access"

#### 3.3.12.5 VDR11 : "<virtual disk> has started initializing."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.6 VDR113 : "Controller preserved cache was discarded by user for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.7 VDR12 : "Reconfiguration has started for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.8 VDR13 : "<VD Name> rebuild has started."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.9 VDR14 : "The consistency check on <virtual disk> was cancelled."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.10 VDR15 : "Initialization of <virtual disk> was cancelled."

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.11 VDR16 : "Consistency check of <virtual disk> failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.12 VDR17 : "<VD Name> format failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.13 VDR18 : "Initialization of <virtual disk> has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.14 VDR19 : "Reconfiguration of <virtual disk> has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.15 VDR2 : "<virtual disk> returned to optimal state."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.16 VDR21 : "Consistency check for <virtual disk> has completed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.17 VDR22 : "Formatting the <VD Name> is completed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.18 VDR23 : "Initialization of <virtual disk> has completed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.19 VDR24 : "Reconfiguration of <virtual disk> has completed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.20 VDR25 : "<VD Name> rebuild is completed."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.21 VDR26 : "The check consistency on a <VD Name> has been paused (suspended)."

When event is generated, message will have the following substitutions:

· <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

# 3.3.12.22 VDR27 : "The consistency check on a <VD Name> has been resumed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.23 VDR28 : "A virtual disk and its mirror have been split."

#### 3.3.12.24 VDR29 : "A mirrored virtual disk has been un-mirrored."

#### 3.3.12.25 VDR3 : "Redundancy normal on <VD Name>."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.26 VDR30 : "<virtual disk> write policy has changed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

# 3.3.12.27 VDR31 : "Controller cache is preserved for missing or offline <VD Name>."

#### 3.3.12.28 VDR32 : "Background initialization has started for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

## 3.3.12.29 VDR33 : "Background initialization was cancelled for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.30 VDR34 : "Background initialization failed for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.31 VDR35 : "Background initialization has completed for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.32 VDR36 : "<VD Name> initialization is in-progress <progress percent>."

When event is generated, message will have the following substitutions:

- <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"
- <progress percent> = "30%"

#### 3.3.12.33 VDR37 : "Dead disk segments are restored on <VD Name>."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.34 VDR38 : "<VD Name> is renamed."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

## 3.3.12.35 VDR39 : "The check consistency has made corrections and completed for <VD name>."

When event is generated, message will have the following substitutions:

• <VD name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.36 VDR4 : "<virtual disk> was created."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.37 VDR40 : "The reconfiguration of <virtual disk> has resumed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.38 VDR41 : "<VD Name> read policy has changed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.39 VDR42 : "Dedicated hot spare assigned physical disk <args>."

When event is generated, message will have the following substitutions:

• <args> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 3.3.12.40 VDR43 : "Dedicated hot spare unassigned physical disk <args>."

When event is generated, message will have the following substitutions:

<args> = "Disk 5 in Enclosure 0 on Connector 0 o RAID Controller in Slot 5"

#### 3.3.12.41 VDR44 : "<VD Name> disk cache policy has changed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.42 VDR45 : "<VD Name> blink has been initiated."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.43 VDR46 : "<VD Name> blink has ceased."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.44 VDR47 : "A disk media error was corrected on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.45 VDR48 : "<VD Name> has inconsistent data."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.46 VDR49 : "<VD Name> is permanently degraded."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.47 VDR5 : "<virtual disk> was deleted."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.48 VDR50 : "Background Initialization (BGI) completed with uncorrectable errors on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.49 VDR51 : "The consistency check process made corrections and completed on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.50 VDR52 : "The consistency check found inconsistent parity data on <virtual disk>."

# 3.3.12.51 VDR53 : "The consistency check logging of inconsistent parity data is disabled for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.52 VDR54 : "<VD Name> initialization is terminated."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.53 VDR55 : "<VD Name> initialization has failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.54 VDR56 : "Redundancy of <virtual disk> has been degraded."

When event is generated, message will have the following substitutions:

• <virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.55 VDR57 : "Background Initialization in <VD Name> corrected medium error."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.56 VDR58 : "Bad block medium error is detected at block <args> on <VD Name>."

When event is generated, message will have the following substitutions:

- <args> = "0x12345678"
- VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.57 VDR59 : "<VD Name> security has failed."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.58 VDR6 : "<VD Name> configuration has changed."



# 3.3.12.59 VDR60 : "<initialization type> initialization is in progress on <virtual disk>."

When event is generated, message will have the following substitutions:

- <initialization type> = "Full"
- <virtual disk> = " Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.60 VDR7 : "<virtual disk> has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

# 3.3.12.61 VDR8 : "<virtual disk> is degraded either because the physical disk drive in the drive group is removed or the physical disk drive added in a redundant virtual drive has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.62 VDR9 : "<virtual disk> consistency check has started."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.63 VDR91 : "Consistency check for <virtual disk> has detected multiple uncorrectable medium errors."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.64 VDR92 : "Consistency check for <virtual disk> has completed with uncorrectable errors."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.65 VDR93 : "<VD Name> bad block medium error is cleared."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

# 3.3.12.66 VDR94 : "Controller preserved cache was recovered for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.67 VDR95 : "Unable to log block <arg>.Bad block table on <VD Name> is full."

When event is generated, message will have the following substitutions:

- · <arg> = "0x1234567890"
- <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.68 VDR96 : "Bad block table on <virtual disk> is 80 percent full."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 3.3.12.69 VDR97 : "Patrol Read corrected a media error on <VD Name>."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.3.12.70 VDR98 : "<virtual disk> has switched active controllers. Its active path is now through <controller name>."

When event is generated, message will have the following substitutions:

- <virtual disk> = "Virtual Disk 0"
- <controller name> = " RAID Controller in Slot 5"

### 3.3.12.71 VDR99 : "<virtual disk> is unavailable because of an ID conflict in the fault-tolerant pair."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 3.4 Category: System Health

### 3.4.1 Subcategory : Amperage [Prefix : AMP]

## 3.4.1.1 AMP0300 : "The system board <name> current is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 3.4.1.2 AMP0301 : "The system board <name> current is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

### 3.4.1.3 AMP0302 : "The system board <name> current is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "fail-safe"

### 3.4.1.4 AMP0303 : "The system board <name> current is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

#### 3.4.1.5 AMP0304 : "The system board <name> current is outside of range."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

#### 3.4.1.6 AMP0305 : "The system board <name> current is within range."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 3.4.1.7 AMP0306 : "Disk drive bay <name> current is less than the lower warning threshold."

### 3.4.1.8 AMP0307 : "Disk drive bay <name> current is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 3.4.1.9 AMP0308 : "Disk drive bay <name> current is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 3.4.1.10 AMP0309 : "Disk drive bay <name> current is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

#### 3.4.1.11 AMP0310 : "Disk drive bay <name> current is outside of range."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

#### 3.4.1.12 AMP0311 : "Disk drive bay <name> current is within range."

When event is generated, message will have the following substitutions:

3.4.1.13 AMP0312 : "System level current is less than the lower warning threshold."

3.4.1.14 AMP0313 : "System level current is less than the lower critical threshold."

3.4.1.15 AMP0314 : "System level current is greater than the upper warning threshold."

3.4.1.16 AMP0315 : "System level current is greater than the upper critical threshold."

3.4.1.17 AMP0316 : "System level current is outside of range."

3.4.1.18 AMP0317 : "System level current is within range."

3.4.1.19 AMP0318 : "Chassis power level current is less than the lower warning threshold."

3.4.1.20 AMP0319 : "Chassis power level current is less than the lower critical threshold."

3.4.1.21 AMP0320 : "Chassis power level current is greater than the upper warning threshold."

3.4.1.22 AMP0321 : "Chassis power level current is greater than the upper critical threshold."

3.4.1.23 AMP0322 : "Chassis power level current is outside of range."

3.4.1.24 AMP0323 : "Chassis power level current is within range."

### 3.4.2 Subcategory : Auto System Reset [Prefix : ASR]

3.4.2.1 ASR0000 : "The watchdog timer expired."

3.4.2.2 ASR0001 : "The watchdog timer reset the system."

3.4.2.3 ASR0002 : "The watchdog timer powered off the system."

(D&LL)

3.4.2.4 ASR0003 : "The watchdog timer power cycled the system."

#### initiated."

### 3.4.3 Subcategory : Battery Event [Prefix : BAT]

3.4.3.1 BAT0000 : "The system board battery is low."

3.4.3.2 BAT0001 : "The system board battery is operating normally."

3.4.3.3 BAT0002 : "The system board battery has failed."

3.4.3.4 BAT0003 : "The system board battery is present."

3.4.3.5 BAT0004 : "The system board battery is absent."

3.4.3.6 BAT0005 : "The storage battery is low."

3.4.3.7 BAT0006 : "The storage battery is operating normally."

3.4.3.8 BAT0007 : "The storage battery has failed."

3.4.3.9 BAT0008 : "The storage battery is present."

3.4.3.10 BAT0009 : "The storage battery is absent."

3.4.3.11 BAT0010 : "The storage battery for disk drive bay <bay> is low."

When event is generated, message will have the following substitutions:

## 3.4.3.12 BAT0011 : "The storage battery for disk drive bay <br/>bay> is operating normally."

When event is generated, message will have the following substitutions:

DØLL

## 3.4.3.13 BAT0012 : "The storage battery for disk drive bay <bay> has failed."

When event is generated, message will have the following substitutions:

. <bay> = "1"

### 3.4.3.14 BAT0013 : "The storage battery for disk drive bay <br/>bay> is present."

When event is generated, message will have the following substitutions:

### 3.4.3.15 BAT0014 : "The storage battery for disk drive bay <bay> is absent."

When event is generated, message will have the following substitutions:

#### 3.4.3.16 BAT0015 : "The <name> battery is low."

When event is generated, message will have the following substitutions:

#### 3.4.3.17 BAT0016 : "The <name> battery is operating normally."

When event is generated, message will have the following substitutions:

#### 3.4.3.18 BAT0017 : "The <name> battery has failed."

When event is generated, message will have the following substitutions:

#### 3.4.3.19 BAT0018 : "The <name> battery is present."

When event is generated, message will have the following substitutions:

<name> = "CMOS"

#### 3.4.3.20 BAT0019 : "The <name> battery is absent."

### 3.4.4 Subcategory : Cable [Prefix : CBL]

### 3.4.4.1 CBL0003 : "Backplane <bay ID> <cable name> cable is disconnected."

When event is generated, message will have the following substitutions:

- <cable name> = "B2"

# 3.4.5 Subcategory : Chassis Management Controller [Prefix : CMC]

### 3.4.5.1 CMC8514 : "Fabric mismatch is detected in the I/O Module <iom slot name>."

When event is generated, message will have the following substitutions:

. <iom slot name> = "Switch-1"

### 3.4.5.2 CMC8516 : "The I/O Module <iom slot name> did not boot within the expected time."

When event is generated, message will have the following substitutions:

• <iom slot name> = "Switch-1"

### 3.4.5.3 CMC8517 : "A double height server is detected in slot <slot number>, however the server is not detected in the bottom slot."

When event is generated, message will have the following substitutions:

#### 3.4.5.4 CMC8518 : "A double-height server is detected in the slot <slot number>. However, the iDRAC in the server of bottom slot <slot number> is also responding."

When event is generated, message will have the following substitutions:

- <slot number> = "1"

DELL

## 3.4.5.5 CMC8519 : "The LOM riser FRU for slot <slot number> FRU ID <fru id> is not functioning."

When event is generated, message will have the following substitutions:

- <fru id> = "2"

#### 3.4.5.6 CMC8520 : "The FRU on server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 3.4.5.7 CMC8521 : "The Mezz card 1 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 3.4.5.8 CMC8522 : "The Mezz card 2 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 3.4.5.9 CMC8523 : "The Mezz card 3 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 3.4.5.10 CMC8524 : "The Mezz card 4 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 3.4.5.11 CMC8525 : "The FRU on the sleeve <slot number> is not functioning."

When event is generated, message will have the following substitutions:

# 3.4.5.12 CMC8526 : "Unable to retrieve the server-<slot number> CPU information."

When event is generated, message will have the following substitutions:

### 3.4.5.13 CMC8527 : "Unable to retrieve the server-<slot number> memory information."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 3.4.5.14 CMC8528 : "Unable to obtain or send link tuning or flex address data to server-<slot number>."

When event is generated, message will have the following substitutions:

### 3.4.5.15 CMC8534 : "Unable to turn on the server <slot number> because the power requirement request exceeds the power cap value."

When event is generated, message will have the following substitutions:

### 3.4.5.16 CMC8604 : "The FRU on storage sled <slot number> is not functioning."

When event is generated, message will have the following substitutions:

# 3.4.5.17 CMC8607 : "Unable to retrieve information about the firmware on server in slot <slot number>, because there is no communication between Chassis Management Controller (CMC) and iDRAC."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 3.4.5.18 CMC8609 : "Unable to read the Complex Programmable Logical Device (CPLD) version number of sleeve <sleeve number> because the

### CPLD version is very old, or the Chassis Management Controller (CMC) is unable to identify the version."

When event is generated, message will have the following substitutions:

. <sleeve number> = "1"

### 3.4.5.19 CMC8610 : "Unable to read because the Field Replaceable Unit (FRU) is not functioning on the sled <sled number>."

When event is generated, message will have the following substitutions:

#### 3.4.5.20 CMC8611 : "Unable to read the Complex Programmable Logical Device (CPLD) version number of sled <sled number> because the CPLD version is very old, or the Chassis Management Controller (CMC) is unable to identify the version."

When event is generated, message will have the following substitutions:

### 3.4.6 Subcategory : Processor [Prefix : CPU]

#### 3.4.6.1 CPU0000 : "Internal error has occurred check for additional logs."

### 3.4.6.2 CPU0001 : "CPU <number> has a thermal trip (over-temperature) event."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.3 CPU0002 : "CPU <number> has failed the built-in self-test (BIST)."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.4 CPU0003 : "CPU <number> is stuck in POST."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.5 CPU0004 : "CPU <number> failed to initialize."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.6 CPU0005 : "CPU <number> configuration is unsupported."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.7 CPU0006 : "Unrecoverable CPU complex error detected on CPU <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.8 CPU0007 : "CPU <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.9 CPU0008 : "CPU <number> is disabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.10 CPU0009 : "CPU <number> terminator is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.11 CPU0010 : "CPU <number> is throttled."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.12 CPU0011 : "Uncorrectable Machine Check Exception detected on CPU <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.13 CPU0012 : "Correctable Machine Check Exception detected on CPU <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.14 CPU0016 : "CPU <number> is operating correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.15 CPU0021 : "CPU <number> is configured correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.16 CPU0024 : "CPU <number> is enabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.17 CPU0025 : "CPU <number> terminator is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.18 CPU0700 : "CPU <number> initialization error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.19 CPU0701 : "CPU <number> protocol error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.20 CPU0702 : "CPU bus parity error detected."

#### 3.4.6.21 CPU0703 : "CPU bus initialization error detected."

#### 3.4.6.22 CPU0704 : "CPU <number> machine check error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.23 CPU0800 : "CPU <number> voltage regulator module is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.24 CPU0801 : "CPU <number> voltage regulator module failed."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.25 CPU0802 : "A predictive failure detected on CPU <number> voltage regulator module."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.26 CPU0803 : "The power input for CPU <number> voltage regulator module is lost."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.27 CPU0804 : "The power input for CPU <number> voltage regulator module is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.28 CPU0805 : "The power input for CPU <number> voltage regulator module is outside of range, but it is attached to the system."



### 3.4.6.29 CPU0806 : "CPU <number> voltage regulator module is incorrectly configure."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.6.30 CPU0816 : "CPU <number> voltage regulator module is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.31 CPU0817 : "CPU <number> voltage regulator module is operating normally."

When event is generated, message will have the following substitutions:

<number> = "1"

### 3.4.6.32 CPU0819 : "The power input for CPU <number> voltage regulator module has been restored."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.33 CPU0822 : "CPU <number> voltage regulator module is configured correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.6.34 CPU9001 : "CPU interconnect <CPU number> has a correctable error."

When event is generated, message will have the following substitutions:

. <CPU number> = "1"

### 3.4.7 Subcategory : Processor Absent [Prefix : CPUA]

#### 3.4.7.1 CPUA0023 : "CPU <number> is absent"

### 3.4.8 Subcategory : Fan Event [Prefix : FAN]

## 3.4.8.1 FAN0000 : "Fan <number> RPM is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.8.2 FAN0001 : "Fan <number> RPM is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.8.3 FAN0002 : "Fan <number> RPM is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.8.4 FAN0003 : "Fan <number> RPM is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.8.5 FAN0004 : "Fan <number> RPM is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.8.6 FAN0005 : "Fan <number> RPM is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.8.7 FAN0006 : "Fan <number> is removed."



#### 3.4.8.8 FAN0007 : "Fan <number> was inserted."

When event is generated, message will have the following substitutions:

```
. <number> = "1"
```

#### 3.4.8.9 FAN0008 : "Fan <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.8.10 FAN0009 : "Fan <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.8.11 FAN0010 : "Fan <number> is disabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.8.12 FAN0011 : "Fan <number> is enabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.8.13 FAN0012 : "<fan name> RPM is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

### 3.4.8.14 FAN0013 : "<fan name> RPM is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

• <fan name> = "Blower"

### 3.4.8.15 FAN0014 : "<fan name> RPM is greater than the upper warning threshold."

# 3.4.8.16 FAN0015 : "<fan name> RPM is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<fan name> = "Blower"

## 3.4.8.17 FAN0016 : "<fan name> RPM is outside of normal operating range."

When event is generated, message will have the following substitutions:

<fan name> = "Blower"

#### 3.4.8.18 FAN0017 : "<fan name> RPM is within normal operating range."

When event is generated, message will have the following substitutions:

<fan name> = "Blower"

### 3.4.9 Subcategory : Fiber Channel [Prefix : FC]

# 3.4.9.1 FC102 : "The <controller ID> port <port ID> link is not functioning either because the FC cable is not connected or the FC device is not functioning."

When event is generated, message will have the following substitutions:

- <controller ID> = "FC Slot 4"

### 3.4.9.2 FC103 : "The <controller ID> port <port ID> network connection is successfully started."

When event is generated, message will have the following substitutions:

- <controller ID> = "FC Slot 4"

### 3.4.10 Subcategory : Hardware Config [Prefix : HWC]

#### 3.4.10.1 HWC1000 : "The <name> is present."



#### 3.4.10.2 HWC1001 : "The <name> is absent."

When event is generated, message will have the following substitutions:

. <name> = "KVM"

- 3.4.10.3 HWC1004 : "The storage adapter is present."
- 3.4.10.4 HWC1005 : "The storage adapter is absent."
- 3.4.10.5 HWC1008 : "The backplane is present."
- 3.4.10.6 HWC1009 : "The backplane is absent."
- 3.4.10.7 HWC1012 : "The USB cable is present."
- 3.4.10.8 HWC1013 : "The USB cable is absent."
- 3.4.10.9 HWC1014 : "The mezzanine card <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "B1"

#### 3.4.10.10 HWC1015 : "The mezzanine card <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "B1"

#### 3.4.10.11 HWC1100 : "The <name> was installed in slot <number>."

When event is generated, message will have the following substitutions:

- . <name> = "VGA"
- . <number> = "1"

#### 3.4.10.12 HWC1101 : "The <name> is removed from slot <number>."

- . <name> = "VGA"
- . <number> = "1"
# 3.4.10.13 HWC1102 : "The <module name> is installed in an unsupported slot <slot number>."

When event is generated, message will have the following substitutions:

# 3.4.10.14 HWC1103 : "The <module name> installed in an unsupported slot <slot number> is removed."

When event is generated, message will have the following substitutions:

- <module name> = "Storage Sled"

# 3.4.10.15 HWC1104 : "The <module name> installed in slot <slot number> is not supported by the chassis."

When event is generated, message will have the following substitutions:

- <module name> = "Peripheral Sled"
- slot number> = " 1"

### 3.4.10.16 HWC1105 : "The <module name> is removed from the slot <number>."

When event is generated, message will have the following substitutions:

- <module name> = "Peripheral Sled"
- . <number> = " 1"

### 3.4.10.17 HWC1200 : "The sled <sled name> is inserted in slot <slot number>."

When event is generated, message will have the following substitutions:

- <sled name> = "VGA"

# 3.4.10.18 HWC1201 : "The sled <sled name> is removed from slot <slot number>."

- · <sled name> = "VGA"
- slot number> = "1"

### 3.4.10.19 HWC1202 : "The <name> was installed in slot <number>."

When event is generated, message will have the following substitutions:

- <name> = "Storage sled"
- . <number> = "2"

### 3.4.10.20 HWC1203 : "The <name> is removed from slot <number>."

When event is generated, message will have the following substitutions:

- <name> = "Storage sled"

### 3.4.10.21 HWC2000 : "The <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 3.4.10.22 HWC2001 : "The <name> cable or interconnect is not connected or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 3.4.10.23 HWC2002 : "The storage <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

### 3.4.10.24 HWC2003 : "The storage <name> cable is not connected, or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "SAS"

### 3.4.10.25 HWC2004 : "The system board <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

· <name> = "TFT"

# 3.4.10.26 HWC2005 : "The system board <name> cable or interconnect is not connected, or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "TFT"

### 3.4.10.27 HWC2006 : "The <name> is not installed correctly."

When event is generated, message will have the following substitutions:

. <name> = "DRAC"

### 3.4.10.28 HWC2007 : "The <name> is installed correctly."

When event is generated, message will have the following substitutions:

· <name> = "DRAC"

# 3.4.10.29 HWC2008 : "A fabric mismatch detected for mezzanine card <number>."

When event is generated, message will have the following substitutions:

### 3.4.10.30 HWC2009 : "Mezzanine card <number> is installed correctly."

When event is generated, message will have the following substitutions:

. <number> = "B1"

### 3.4.10.31 HWC2010 : "The riser board cable or interconnect is connected."

3.4.10.32 HWC2011 : "The riser board cable or interconnect is not connected, or is improperly connected."

### 3.4.10.33 HWC2012 : "A fabric mismatch detected on fabric <name> with server in slot <number>."

When event is generated, message will have the following substitutions:

 $\cdot$  <name> = "B"

### 3.4.10.34 HWC2013 : "Fabric mismatch corrected on fabric <name> with server in slot <number>."

When event is generated, message will have the following substitutions:

- . <name> = "B"
- . <number> = "1"

#### 3.4.10.35 HWC2014 : "A hardware misconfiguration detected on <name>."

When event is generated, message will have the following substitutions:

· <name> = "Planer"

#### 3.4.10.36 HWC2015 : "The <name> is configured correctly."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

#### 3.4.10.37 HWC3000 : "The <name> is removed."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

#### 3.4.10.38 HWC3001 : "The <name> is inserted."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

#### 3.4.10.39 HWC3002 : "Server <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.10.40 HWC3003 : "Server <number> was inserted."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.10.41 HWC3004 : "IO module <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 3.4.10.42 HWC3005 : "IO module <number> was inserted."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 3.4.10.43 HWC3006 : "Unable to QuickDeploy server in slot <slot number>."

When event is generated, message will have the following substitutions:

<slot number> = "1"

3.4.10.44 HWC4000 : "A hardware incompatibility detected between BMC/ iDRAC firmware and CPU."

3.4.10.45 HWC4001 : "A hardware incompatibility was corrected between BMC/iDRAC firmware and CPU."

3.4.10.46 HWC4002 : "A hardware incompatibility detected between BMC/ iDRAC firmware and other hardware."

3.4.10.47 HWC4003 : "A hardware incompatibility was corrected between BMC/iDRAC firmware and other hardware."

3.4.10.48 HWC4010 : "Hardware successfully updated for mezzanine card <number>."

When event is generated, message will have the following substitutions:

. <number> = "C2"

### 3.4.10.49 HWC4011 : "Hardware unsuccessfully updated for mezzanine card <number>."

When event is generated, message will have the following substitutions:

. <number> = "C2"

DELL

### 3.4.10.50 HWC4014 : "Link Tuning data successfully updated."

#### 3.4.10.51 HWC4015 : "Link Tuning error detected."

### 3.4.10.52 HWC4016 : "Hardware incompatibility detected with mezzanine card <number>."

When event is generated, message will have the following substitutions:

. <number> = "C2"

### 3.4.10.53 HWC4017 : "A hardware incompatibility is detected between <first component name><first component location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <first component location> = " in slot 1"
- <second component name> = " PSU"
- <second component location> = " in slot 1"

#### 3.4.10.54 HWC4018 : "A hardware incompatibility was corrected between <first component name><first component location location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <first component name> = "Server"
- <first component location location> = " in slot 1"
- <second component name> = " PSU"
- <second component location> = " in slot 1"

### 3.4.10.55 HWC4019 : "Unable to control the fan speed because a sled mismatch or hardware incompatibility is detected."

### 3.4.10.56 HWC5000 : "<name> is online."

When event is generated, message will have the following substitutions:

. <name> = "DVD"

### 3.4.10.57 HWC5001 : "<name> is offline."

### 3.4.10.58 HWC5002 : "A fabric mismatch detected on <name>."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

### 3.4.10.59 HWC5003 : "<name> is operating correctly."

When event is generated, message will have the following substitutions:

. <name> = "iDRAC"

### 3.4.10.60 HWC5004 : "A link tuning failure detected on <name>."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

#### 3.4.10.61 HWC5006 : "A failure is detected on <name>."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

### 3.4.10.62 HWC5030 : "IO module <number> is online."

When event is generated, message will have the following substitutions:

### 3.4.10.63 HWC5031 : "IO module <number> is offline."

When event is generated, message will have the following substitutions:

# 3.4.10.64 HWC5032 : "A fabric mismatch detected on IO module <number>."

When event is generated, message will have the following substitutions:

 $\cdot$  <number> = "A1"

### 3.4.10.65 HWC5033 : "IO module <number> is operating correctly."

When event is generated, message will have the following substitutions:

. <number> = "A1"

# 3.4.10.66 HWC5034 : "A link tuning failure detected on IO module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 3.4.10.67 HWC5035 : "An over-temperature event detected on I/O module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 3.4.10.68 HWC5036 : "A failure is detected on IO module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 3.4.10.69 HWC5037 : "I/O module <number> failed to boot."

When event is generated, message will have the following substitutions:

. <number> = "A1"

### 3.4.10.70 HWC6000 : "The <name> controller is offline."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 3.4.10.71 HWC6001 : "The <name> controller is online."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 3.4.10.72 HWC6002 : "The <name> controller is stuck in boot mode."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 3.4.10.73 HWC6003 : "The <name> controller is booting."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 3.4.10.74 HWC6004 : "Cannot communicate with <name> controller."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

### 3.4.10.75 HWC6005 : "Communications restored for <name> controller."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

### 3.4.10.76 HWC7000 : "Server <number> health changed to a normal state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.10.77 HWC7002 : "Server <number> health changed to a warning state from a normal state."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.10.78 HWC7004 : "Server <number> health changed to a critical state from either a normal or warning state."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.10.79 HWC7006 : "Server <number> health changed to a non-recoverable state from a less severe state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.10.80 HWC7008 : "Server <number> health changed to a warning state from more severe state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.10.81 HWC7010 : "Server <number> health changed to a critical state from a non-recoverable state."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.10.82 HWC7012 : "Server <number> health changed to a non-recoverable state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.10.83 HWC8501 : "Unable to complete the operation because of an issue with the I/O panel cable."

#### 3.4.10.84 HWC8502 : "The I/O panel cable is connected."

# 3.4.10.85 HWC8503 : "The internal communication between the Chassis Management Controller (CMC) and the <left or right> control panel is restored."

When event is generated, message will have the following substitutions:

<left or right> = "left"

# 3.4.10.86 HWC8504 : "The Chassis Management Controller (CMC) cannot communicate with the <left or right> control panel because of internal issues."

When event is generated, message will have the following substitutions:

3.4.10.87 HWC8506 : "Unable to synchronize control panel firmware due to internal error."

3.4.10.88 HWC8507 : "The USB device inserted in to the I/O Panel USB port is causing an issue and cannot be used."

3.4.10.89 HWC8508 : "A device causing an issue in the I/O panel USB port is removed."

3.4.10.90 HWC8509 : "One or more PCIe switch heatsinks are not properly attached."

3.4.10.91 HWC8510 : "The heat sinks of the PCIe switches are properly attached."

3.4.10.92 HWC9000 : "The status of device <name> is restored to normal."

When event is generated, message will have the following substitutions:

. <name> = "1"

# 3.4.10.93 HWC9001 : "The <name> device may not function as expected because the device health status turned to Warning."

When event is generated, message will have the following substitutions:

. <name> = "1"

# 3.4.10.94 HWC9002 : "The <name> device may not function as expected because the device health status turned to Critical."

When event is generated, message will have the following substitutions:

. <name> = "1"

# 3.4.10.95 HWC9003 : "The <name> device may not function as expected because a Watchdog failure is detected."

When event is generated, message will have the following substitutions:

. <name> = "1"

DELL

3.4.10.96 HWC9004 : "The BOSS-S1 device does not have a fan installed in it."

3.4.10.97 HWC9005 : "The BOSS-S1 device has a fan installed in it."

### 3.4.11 Subcategory : IO Virtualization [Prefix : IOV]

3.4.11.1 IOV111 : "Unable to update Chassis Infrastructure firmware."

3.4.11.2 IOV112 : "Chassis Infrastructure firmware is not valid."

### 3.4.12 Subcategory : Link Status [Prefix : LNK]

### 3.4.12.1 LNK2700 : "The <name> network link is down."

When event is generated, message will have the following substitutions:

· <name> = "CMC"

### 3.4.12.2 LNK2701 : "The <name> network link is up."

When event is generated, message will have the following substitutions:

<name> = "CMC"

# 3.4.12.3 LNK8500 : "Unable to connect the server in slot <slot id> to the IOM in slot <IOM slot id> port <IOM port id>, because the IOM port is down."

When event is generated, message will have the following substitutions:

- < slot id> = "1"
- · <IOM slot id> = "2"
- · <IOM port id> = "3"

### 3.4.12.4 LNK8501 : "The network connection of server in slot <slot id> IOM in slot <IOM slot id> port <IOM port id> is restarted."

- . <slot id> = "1"
- · <IOM slot id> = "2"
- · <IOM port id> = "3"

### 3.4.13 Subcategory : Memory [Prefix : MEM]

# 3.4.13.1 MEM0000 : "Persistent correctable memory errors detected on a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 3.4.13.2 MEM0001 : "Multi-bit memory errors detected on a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.3 MEM0002 : "Parity memory errors detected on a memory device at location <location>."

When event is generated, message will have the following substitutions:

### 3.4.13.4 MEM0003 : "Stuck bit memory error detected on a memory device at location <location >."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.5 MEM0004 : "Memory device at location <location> is disabled."

When event is generated, message will have the following substitutions:

# 3.4.13.6 MEM0005 : "Persistent correctable memory error limit reached for a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.7 MEM0006 : "Memory device at location <location> is present."

# 3.4.13.8 MEM0007 : "Unsupported memory configuration; check memory device at location <location >."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.9 MEM0008 : "Memory device at location <location> is spare memory."

When event is generated, message will have the following substitutions:

#### 3.4.13.10 MEM0009 : "Memory device at location <location> is throttled."

When event is generated, message will have the following substitutions:

### 3.4.13.11 MEM0010 : "Memory device at location <location> is overheating."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.12 MEM0016 : "Memory device at location(s) <location> is operating correctly."

When event is generated, message will have the following substitutions:

### 3.4.13.13 MEM0021 : "Persistent correctable memory error limit reset for a memory device at location <location>."

When event is generated, message will have the following substitutions:

### 3.4.13.14 MEM0022 : "Memory device at location <location> is absent."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 3.4.13.15 MEM0024 : "Memory device at location <location> is no longer spare memory."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 3.4.13.16 MEM0700 : "The persistent correctable memory error rate is at normal levels for a memory device at location <location>."

When event is generated, message will have the following substitutions:

### 3.4.13.17 MEM0701 : "Correctable memory error rate exceeded for <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.18 MEM0702 : "Correctable memory error rate exceeded for <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 3.4.13.19 MEM1002 : "Memory device at location <location> is in test."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.20 MEM1003 : "Memory device at location <location> failed to transition to in test."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.21 MEM1004 : "Memory device at location <location> is powered off."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 3.4.13.22 MEM1005 : "Memory device at location <location> failed to power off."

When event is generated, message will have the following substitutions:

### 3.4.13.23 MEM1006 : "Memory device at location <location> is online."

When event is generated, message will have the following substitutions:

### 3.4.13.24 MEM1007 : "Memory device at location <location> failed to transition to online."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 3.4.13.25 MEM1008 : "Memory device at location <location> is offline."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.26 MEM1009 : "Memory device at location <location> failed to transition to offline."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.27 MEM1010 : "Memory device at location <location> is off-duty."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

#### 3.4.13.28 MEM1011 : "Memory device at location <location> is on-duty."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.29 MEM1012 : "Memory device at location <location> is in a degraded state."

# 3.4.13.30 MEM1013 : "Memory device at location <location> is in a full state."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.31 MEM1014 : "Memory device at location <location> is in a power save state."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.32 MEM1015 : "Memory device at location <location> is in a power active state."

When event is generated, message will have the following substitutions:

# 3.4.13.33 MEM1016 : "Memory device at location <location> is not installed correctly."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 3.4.13.34 MEM1017 : "Memory device at location <location> is installed correctly."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.35 MEM1200 : "Memory RAID is redundant."

# 3.4.13.36 MEM1201 : "Memory RAID redundancy is lost. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

DELL

# 3.4.13.37 MEM1202 : "Memory RAID redundancy is degraded. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.38 MEM1203 : "Memory is not redundant."

### 3.4.13.39 MEM1204 : "Memory mirror is redundant."

# 3.4.13.40 MEM1205 : "Memory mirror redundancy is lost. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

<location> = "DIMM1"

### 3.4.13.41 MEM1206 : "Memory mirror redundancy is degraded. Check memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.42 MEM1207 : "Memory spare is redundant."

### 3.4.13.43 MEM1208 : "Memory spare redundancy is lost. Check memory device at location <location >."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.44 MEM1209 : "Memory spare redundancy is degraded. Check memory device at location <location>."

When event is generated, message will have the following substitutions:

<location> = "DIMM1"

### 3.4.13.45 MEM1212 : "Memory redundancy is lost."

3.4.13.46 MEM1214 : "Memory redundancy is degraded."

3.4.13.47 MEM7000 : "The memory riser mismatch was corrected."

3.4.13.48 MEM7002 : "A hardware mismatch detected for memory riser."

# 3.4.13.49 MEM8000 : "Correctable memory error logging disabled for a memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.50 MEM9000 : "Memory interconnect degraded."

# 3.4.13.51 MEM9002 : "Intel QPI interconnect <QPI link number> has a correctable error."

When event is generated, message will have the following substitutions:

• <QPI link number> = "1"

# 3.4.13.52 MEM9003 : "Intel SMI 2 Memory interconnect <link number> has a correctable error."

When event is generated, message will have the following substitutions:

# 3.4.13.53 MEM9004 : "Intel QPI interconnect <QPI link number> has degraded."

When event is generated, message will have the following substitutions:

• <QPI link number> = "1"

# 3.4.13.54 MEM9005 : "Intel SMI 2 Memory interconnect <link number> has degraded."

When event is generated, message will have the following substitutions:

# 3.4.13.55 MEM9006 : "Intel QPI interconnect <QPI link number> has a non-recoverable issue."

When event is generated, message will have the following substitutions:

• <QPI link number> = "1"

# 3.4.13.56 MEM9007 : "Intel SMI 2 Memory interconnect <link number> has a non-recoverable issue."

When event is generated, message will have the following substitutions:

### 3.4.13.57 MEM9008 : "Intel DDR Memory interconnect <link number> has a non-recoverable issue."

When event is generated, message will have the following substitutions:

· link number> = "1"

# 3.4.13.58 MEM9009 : "Intel DDR Memory interconnect <link number> has a correctable error."

When event is generated, message will have the following substitutions:

# 3.4.13.59 MEM9020 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is about to reach the end of supported life duration."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

### 3.4.13.60 MEM9030 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is not responding and is disabled."

When event is generated, message will have the following substitutions:

# 3.4.13.61 MEM9031 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is unable to save the data during the previous system shutdown operation or power loss."

### 3.4.13.62 MEM9032 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is unable to restore the data that was saved in the previous save operation."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

3.4.13.63 MEM9033 : "An unsupported Non-Volatile Dual In-line Memory Module (NVDIMM) device is of unsupported configuration and unable to operate as currently configured."

# 3.4.13.64 MEM9034 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is not responding."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 3.4.13.65 MEM9035 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> cannot be configured to save data during a power loss because of an issue in the NVDIMM."

When event is generated, message will have the following substitutions:

3.4.13.66 MEM9036 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) devices are placed in write-protect mode because the system may not provide sufficient power to save data in case of power loss."

3.4.13.67 MEM9037 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has reached the end of supported life duration and is placed in write-protect mode."

When event is generated, message will have the following substitutions:

#### 3.4.13.68 MEM9038 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has lost persistency and is placed in write-protect mode."



# 3.4.13.69 MEM9050 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has regained persistency and is available for use."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

3.4.13.70 MEM9060 : "The Post-Package Repair operation is successfully completed on the Dual in-line Memory Module (DIMM) device that was failing earlier."

### 3.4.14 Subcategory : NIC Configuration [Prefix : NIC]

### 3.4.14.1 NIC100 : "The <Controller> Port <Port> network link is down."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = " 1"

### 3.4.14.2 NIC101 : "The <controller ID> Port <port ID> network link is started."

- <controller ID> = "NIC Integrated 1"
- . <port ID> = " 1"

### 3.4.15 Subcategory : OS Event [Prefix : OSE]

3.4.15.1 OSE0000 : "A critical stop occurred during OS load."

3.4.15.2 OSE0001 : "A runtime critical stop occurred."

3.4.15.3 OSE0002 : "An OS graceful stop occurred."

3.4.15.4 OSE0003 : "An OS graceful shut-down occurred."

### 3.4.16 Subcategory : PCI Device [Prefix : PCI]

### 3.4.16.1 PCI1302 : "A bus time-out was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 3.4.16.2 PCI1304 : "An I/O channel check error was detected."

# 3.4.16.3 PCI1306 : "A software error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 3.4.16.4 PCI1308 : "A PCI parity error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

DELL

# 3.4.16.5 PCI1310 : "A PCI system error was detected on a component at bus <br/> bus > device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

### 3.4.16.6 PCI1314 : "A bus correctable error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

### 3.4.16.7 PCI1316 : "A bus uncorrectable error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 3.4.16.8 PCI1318 : "A fatal error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

# 3.4.16.9 PCI1320 : "A bus fatal error was detected on a component at bus <br/><br/>bus> device <device> function <func>."

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

# 3.4.16.10 PCI1322 : "Bus performance degraded for a component at bus <br/> <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- <func> = "1"

# 3.4.16.11 PCI1342 : "A bus time-out was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.16.12 PCI1344 : "An I/O channel check error was detected."

### 3.4.16.13 PCI1346 : "A software error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.16.14 PCI1348 : "A PCI parity error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.16.15 PCI1350 : "A PCI system error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.16.16 PCI1354 : "A bus correctable error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

DELL

# 3.4.16.17 PCI1356 : "A bus uncorrectable error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.16.18 PCI1358 : "A fatal error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.16.19 PCI1360 : "A bus fatal error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.16.20 PCI1362 : "Bus performance degraded for a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.16.21 PCI2000 : "A fatal IO error detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- . <func> = "1"

### 3.4.16.22 PCI2001 : "The component at bus <bus> device <device> function <func> recovered from a fatal IO error."

- . <device> = "1"
- <func> = "1"

# 3.4.16.23 PCI2002 : "A fatal IO error detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.16.24 PCI2003 : "The component at slot <number> recovered from a fatal IO error."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.16.25 PCI3000 : "Device option ROM on embedded NIC failed to support Link Tuning or FlexAddress."

3.4.16.26 PCI3001 : "Device option ROM on embedded NIC was successfully updated."

# 3.4.16.27 PCI3002 : "Failed to program virtual MAC address on a component at bus <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- $\cdot$  <device> = "1"
- <func> = "1"

### 3.4.16.28 PCI3003 : "Virtual MAC address for component at bus <bus> device <device> function <func> was successfully programed."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 3.4.16.29 PCI3004 : "Device option ROM on mezzanine card <number> failed to support Link Tuning or FlexAddress."

When event is generated, message will have the following substitutions:

. <number> = "B1"

DELL

# 3.4.16.30 PCI3005 : "Device option ROM on mezzanine card <number> was successfully updated."

When event is generated, message will have the following substitutions:

. <number> = "B1"

# 3.4.16.31 PCI3006 : "Failed to get Link Tuning or FlexAddress data from iDRAC."

### 3.4.16.32 PCI3007 : "Link Tuning or FlexAddress data successfully obtained."

### 3.4.16.33 PCI3008 : "A non-fatal PCIe error detected on a component at bus <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 3.4.16.34 PCI3009 : "PCIe is operating normally on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

### 3.4.16.35 PCI3010 : "A non-fatal IO error detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- <func> = "1"

# 3.4.16.36 PCI3011 : "The component at bus <bus> device <device> function <func> recovered from a non-fatal IO error."

When event is generated, message will have the following substitutions:

• <func> = "1"

### 3.4.16.37 PCI3012 : "The QuickPath Interconnect (QPI) width degraded."

### 3.4.16.38 PCI3013 : "The QuickPath Interconnect (QPI) width regained."

# 3.4.16.39 PCI3014 : "A non-fatal PCIe error detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.16.40 PCI3015 : "The component at slot <number> recovered from a non-fatal PCIe error."

When event is generated, message will have the following substitutions:

. <number> = "1"

3.4.16.41 PCI3016 : "Device option ROM on mezzanine card failed to support Link Tuning or FlexAddress."

3.4.16.42 PCI3017 : "Device option ROM on mezzanine card was successfully updated."

3.4.16.43 PCI3018 : "New PCI card(s) have been detected in the system. Fan speeds may have changed to add additional cooling to the cards."

3.4.16.44 PCI3030 : "New PCI card(s) have been detected in the system. Fan speeds may have changed to add additional cooling to the cards."

3.4.16.45 PCI5004 : "A power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>."

When event is generated, message will have the following substitutions:

# 3.4.16.46 PCI5005 : "An auxiliary power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>."



# 3.4.16.47 PCI5006 : "The power-related issue of the PCIe adapter in slot<slot number> is resolved."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 3.4.16.48 PCI5007 : "The auxiliary power-related issue of the PCIe adapter in slot <slot number> is resolved."

When event is generated, message will have the following substitutions:

### 3.4.16.49 PCI5008 : "The Chassis Management Controller (CMC) is unable to communicate with the PCIe switch board."

### 3.4.17 Subcategory : Physical Disk [Prefix : PDR]

### 3.4.17.1 PDR1000 : "Drive <number> is installed in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

# 3.4.17.2 PDR1001 : "Fault detected on drive <number> in disk drive bay <br/><br/>bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

# 3.4.17.3 PDR1002 : "A predictive failure detected on drive <number> in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

### 3.4.17.4 PDR1016 : "Drive <number> is removed from disk drive bay <bay>."

- . <number> = "1"
- . <bay> = "0"

# 3.4.17.5 PDR1017 : "Drive <number> in disk drive bay <bay> is operating normally."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

# 3.4.17.6 PDR1024 : "Drive mismatch detected for drive <number> in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

# 3.4.17.7 PDR1025 : "Drive mismatch corrected for drive <number> in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

### 3.4.17.8 PDR1100 : "Drive <number> is installed."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.17.9 PDR1101 : "Fault detected on drive <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.17.10 PDR1102 : "A predictive failure detected on drive <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.17.11 PDR1116 : "Drive <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.17.12 PDR1117 : "Drive <number> is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.18 Subcategory : System Performance Event [Prefix : PFM]

# 3.4.18.1 PFM0002 : "The value of <sensor name> is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

• <sensor name> = "CPU Usage"

### 3.4.19 Subcategory : BIOS POST [Prefix : PST]

- 3.4.19.1 PST0128 : "No memory is detected."
- 3.4.19.2 PST0129 : "Memory is detected, but is not configurable."
- 3.4.19.3 PST0130 : "Memory is configured, but not usable."
- 3.4.19.4 PST0132 : "CMOS failed."
- 3.4.19.5 PST0133 : "DMA controller failed."
- 3.4.19.6 PST0134 : "Interrupt controller failed."
- 3.4.19.7 PST0135 : "Timer refresh failed."
- 3.4.19.8 PST0136 : "Programmable interval timer error."
- 3.4.19.9 PST0137 : "Parity error."
- 3.4.19.10 PST0138 : "SuperIO failed."
- 3.4.19.11 PST0139 : "Keyboard controller failed."
- 3.4.19.12 PST0140 : "System management interrupt initialization failed."
- 3.4.19.13 PST0141 : "QuickPath Interconnect (QPI) fatal error."
- 3.4.19.14 PST0142 : "MRC fatal error."
- 3.4.19.15 PST0143 : "Intel Trusted Execution Technology (TXT) fatal error."
- 3.4.19.16 PST0192 : "Shut-down test failed."
- 3.4.19.17 PST0193 : "BIOS POST memory test failed."
- 3.4.19.18 PST0194 : "Remote access controller configuration failed." 3.0 SNMP Trap Event Notification Test Messages | 249 3.4.19.19 PST0195 : "CPU configuration failed."
- 3 / 10 20 DET0106 · "Incorrect memory configuration"

### 3.4.20.2 PSU0001 : "Power supply <number> failed."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.20.3 PSU0002 : "A predictive failure detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.4 PSU0003 : "The power input for power supply <number> is lost."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.20.5 PSU0004 : "The power input for power supply <number> is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.6 PSU0005 : "The power input for power supply <number> is outside of the allowable range, but it is attached to the system."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.7 PSU0006 : "Power supply <number> is incorrectly configured."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.8 PSU0017 : "Power supply <number> is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.9 PSU0019 : "The input power for power supply <number> has been restored."

### 3.4.20.10 PSU0022 : "Power supply <number> is correctly configured."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.11 PSU0031 : "Cannot communicate with power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.20.12 PSU0032 : "The temperature for power supply <number> is in a warning range."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.20.13 PSU0033 : "The temperature for power supply <number> is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.20.14 PSU0034 : "An under voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.15 PSU0035 : "An over voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.16 PSU0036 : "An over current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.17 PSU0037 : "Fan failure detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.18 PSU0038 : "Power supply <number> fan is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.19 PSU0039 : "An under current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.20 PSU0040 : "An output under voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.21 PSU0041 : "An output over voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.22 PSU0042 : "An output over current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.23 PSU0043 : "An output under current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"
# 3.4.20.24 PSU0044 : "Cannot obtain status information from power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.20.25 PSU0045 : "Power supply <number> status information successfully obtained."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.20.26 PSU0046 : "Communication has been restored to power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.20.27 PSU0076 : "A power supply wattage mismatch is detected; power supply <number> is rated for <value> watts."

When event is generated, message will have the following substitutions:

- . <number> = "1"

## 3.4.20.28 PSU0077 : "Power supply <number> vendor type mismatch detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.29 PSU0078 : "Power supply <number> revision mismatch detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.20.30 PSU0080 : "Power supply <number> voltage rating does not match the systems requirements."

### 3.4.20.31 PSU0090 : "Power supply <number> wattage mismatch corrected."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.20.32 PSU0091 : "Power supply unit <PSU number> rating exceeds the system power distribution limits."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

#### 3.4.20.33 PSU0092 : "Power supply unit <PSU number> rating is appropriate for the system power distribution limits."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

#### 3.4.21 Subcategory : PSU Absent [Prefix : PSUA]

#### 3.4.21.1 PSUA0016 : "Power supply <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.22 Subcategory : Power Usage [Prefix : PWR]

3.4.22.1 PWR1000 : "The system performance restored."

3.4.22.2 PWR1001 : "The system performance degraded."

3.4.22.3 PWR1002 : "The system performance degraded because of thermal protection."

3.4.22.4 PWR1003 : "The system performance degraded because cooling capacity has changed."

3.4.22.5 PWR1004 : "The system performance degraded because power capacity has changed."

3.4.22.6 PWR1005 : "The system performance degraded because of userdefined power capacity has changed."

3.4.22.7 PWR1006 : "The system halted because system power exceeds capacity."

3.4.22.8 PWR1007 : "The system performance degraded because power exceeds capacity."

3.4.22.9 PWR1008 : "The system performance degraded because power draw exceeds the power threshold."

3.4.22.10 PWR1009 : "System power capacity is restored."

3.4.22.11 PWR2265 : "The power supply unit (PSU) <PSU number> is disabled because of a configuration mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

DØLL

# 3.4.22.12 PWR2266 : "The power supply unit (PSU) <PSU number> is disabled because of a generation mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

# 3.4.22.13 PWR2267 : "The power supply unit (PSU) <PSU number> is disabled because of a capacity mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

# 3.4.22.14 PWR2268 : "The power supply unit (PSU) <PSU number> is disabled because of a mismatch in the input voltage and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

<PSU number> = "1"

### 3.4.22.15 PWR2269 : "The properties of Power Cap setting mode is changed."

3.4.22.16 PWR2273 : "The power required by server is within the power supplied by the power supply units (PSUs)."

3.4.22.17 PWR8557 : "The System Input Power Cap is too low to be enforced using the current Power Supply configuration."

3.4.22.18 PWR8558 : "The System Input Power Cap is being enforced with the current Power Supply configuration."

### 3.4.22.19 PWR8680 : "The <iDRAC/BIOS> firmware in the server slot <slot number> does not support the storage sled."

- $\cdot$  <iDRAC/BIOS> = "iDRAC"

# 3.4.22.20 PWR8681 : "The <iDRAC/BIOS> firmware in the server slot <slot number> does not support additional PCIe slots."

When event is generated, message will have the following substitutions:

- · <iDRAC/BIOS> = "iDRAC"

#### 3.4.22.21 PWR8682 : "Unable to turn on the storage sled controller <controller number> in slot <slot number> because the <module name> module is not functioning."

When event is generated, message will have the following substitutions:

- . <controller number> = "1"
- <module name> = "Expander"

#### 3.4.22.22 PWR8686 : "The Chassis Management Controller (CMC) is unable to turn on the storage sleds associated with server in slot <slot number> because the iDRAC firmware version in the server does not support the chassis storage module."

When event is generated, message will have the following substitutions:

#### 3.4.22.23 PWR8687 : "The Chassis Management Controller (CMC) is unable to turn on the storage sled controller installed on server in slot <server slot> because the server does not have a Mezzanine card."

When event is generated, message will have the following substitutions:

#### 3.4.23 Subcategory : RAC Event [Prefix : RAC]

3.4.23.1 RAC0560 : "RAC Software Initialization Error"

3.4.23.2 RAC0561 : "iDRAC to CMC communication link is not functioning for agent free monitoring of chassis PCIe slots."

3.4.23.3 RAC0562 : "iDRAC-CMC communication restored for agent free monitoring of chassis PCIe slots."

3.4.24 Subcategory : Redundancy [Prefix : RDU]

3.4.24.1 RDU0001 : "The fans are redundant."

3.4.24.2 RDU0002 : "Fan redundancy is lost."

3.4.24.3 RDU0003 : "Fan redundancy is degraded."

3.4.24.4 RDU0004 : "The fans are not redundant."

3.4.24.5 RDU0005 : "The fans are not redundant. Insufficient resources to maintain normal operations."

3.4.24.6 RDU0011 : "The power supplies are redundant."

3.4.24.7 RDU0012 : "Power supply redundancy is lost."

3.4.24.8 RDU0013 : "Power supply redundancy is degraded."

3.4.24.9 RDU0014 : "The power supplies are not redundant."

3.4.24.10 RDU0015 : "The power supplies are not redundant. Insufficient resources to maintain normal operations."

3.4.24.11 RDU0016 : "The storage voltage is redundant."

**3.4.24.12 RDU0017 : "The storage power redundancy is no longer** 3.0 SNMP Trap Event Notification Test Messages

#### available."

#### 3.4.24.13 RDU0018 : "The storage power redundancy is degraded."

#### 3.4.24.14 RDU0019 : "The storage voltage is not redundant."

#### 3.4.24.15 RDU0030 : "The storage voltage of <device name> is redundant."

When event is generated, message will have the following substitutions:

 $\cdot$  <device name> = "12v"

#### 3.4.24.16 RDU0031 : "The <name> voltage redundancy is lost."

When event is generated, message will have the following substitutions:

. <name> = "12v"

#### 3.4.24.17 RDU0032 : "The <name> voltage redundancy is degraded."

When event is generated, message will have the following substitutions:

. <name> = "12v"

#### 3.4.24.18 RDU0033 : "The <name> voltage is not redundant."

When event is generated, message will have the following substitutions:

. <name> = "12v"

#### 3.4.25 Subcategory : IDSDM Media [Prefix : RFL]

#### 3.4.25.1 RFL2000 : "Internal Dual SD Module <name> is present."

When event is generated, message will have the following substitutions:

#### 3.4.25.2 RFL2002 : "Internal Dual SD Module <name> is offline."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

DELL

#### 3.4.25.3 RFL2003 : "Internal Dual SD Module <name> is online."

#### 3.4.25.4 RFL2004 : "Failure detected on Internal Dual SD Module <name>."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

### 3.4.25.5 RFL2005 : "Internal Dual SD Module <name> is operating normally."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 3.4.25.6 RFL2006 : "Internal Dual SD Module <name> is write protected."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 3.4.25.7 RFL2007 : "Internal Dual SD Module <name> is writable."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 3.4.25.8 RFL2008 : "Internal Dual SD Module <name> is disabled."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 3.4.25.9 RFL2009 : "Internal Dual SD Module <name> is enabled."

When event is generated, message will have the following substitutions:

#### 3.4.26 Subcategory : IDSDM Absent [Prefix : RFLA]

#### 3.4.26.1 RFLA2001 : "Internal Dual SD Module <name> is absent."

When event is generated, message will have the following substitutions:

. <name> = "SD2"

3.4.27 Subcategory : IDSDM Redundancy [Prefix : RRDU]

3.4.27.1 RRDU0001 : "Internal Dual SD Module is redundant."

3.4.27.2 RRDU0002 : "Internal Dual SD Module redundancy is lost."

3.4.27.3 RRDU0003 : "Internal Dual SD Module redundancy is degraded."

3.4.27.4 RRDU0004 : "Internal Dual SD Module is not redundant."

3.4.27.5 RRDU0006 : "Internal Dual SD Module rebuild initiated."

3.4.27.6 RRDU0007 : "Internal Dual SD Module rebuild completed successfully."

3.4.27.7 RRDU0008 : "Internal Dual SD Module rebuild did not complete successfully."

3.4.28 Subcategory : Security Event [Prefix : SEC]

3.4.28.1 SEC0000 : "The chassis is open."

3.4.28.2 SEC0016 : "The chassis is closed."

3.4.28.3 SEC0031 : "The chassis is open while the power is on."

3.4.28.4 SEC0032 : "The chassis is closed while the power is on."

3.4.28.5 SEC0033 : "The chassis is open while the power is off."

3.4.28.6 SEC0034 : "The chassis is closed while the power is off."

3.4.28.7 SEC0040 : "A critical stop occurred during OS load."

3.4.28.8 SEC0041 : "BIOS is unable to configure the Intel Trusted Execution Technology (TXT)."

(3:4) 28.9 SEC0042 : "Processor detected a problem while performing an 261

Intel Trusted Execution Technology (TXT) operation."

3.4.28.10 SEC0043 : "BIOS Authenticated Code Module detected an Intel Trusted Execution Technology (TXT) problem during POST."

3.4.28.11 SEC0044 : "SINIT Authenticated Code Module detected an Intel Trusted Execution Technology (TXT) problem at boot."

3.4.28.12 SEC0045 : "Intel Trusted Execution Technology (TXT) is operating correctly."

3.4.28.13 SEC0612 : "The default username and password is currently in use. It is recommended to immediately change the default credentials."

3.4.29 Subcategory : System Event Log [Prefix : SEL]

3.4.29.1 SEL0002 : "Logging is disabled."

3.4.29.2 SEL0003 : "Logging is enabled."

3.4.29.3 SEL0004 : "Log cleared."

3.4.29.4 SEL0006 : "All event logging is disabled."

3.4.29.5 SEL0007 : "All event logging is enabled."

3.4.29.6 SEL0008 : "System event log (SEL) is full."

3.4.29.7 SEL0010 : "System event log (SEL) is almost full."

3.4.29.8 SEL0012 : "Could not create or initialize the system event log."

3.4.29.9 SEL0013 : "The system event log was created or initialized successfully."

3.4.29.10 SEL1204 : "An unknown system hardware failure detected."

3.4.29.11 SEL1205 : "The unknown system hardware failure was corrected."

3.4.29.12 SEL1500 : "The chassis management controller (CMC) is

#### redundant."

3.4.29.13 SEL1501 : "Chassis management controller (CMC) redundancy is lost."

3.4.29.14 SEL1502 : "Chassis management controller (CMC) redundancy is degraded."

3.4.29.15 SEL1503 : "The chassis management controller (CMC) is not redundant."

3.4.29.16 SEL1504 : "The chassis management controller (CMC) is not redundant. Insufficient resources to maintain normal operations."

3.4.29.17 SEL1506 : "Lost communications with Chassis Group Member <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.29.18 SEL1507 : "Communications restored with Chassis Group Member <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.29.19 SEL1508 : "Member <number> could not join the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.29.20 SEL1509 : "Member <number> has joined the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.29.21 SEL1510 : "An authentication error detected for Chassis Group Member <number>."



#### 3.4.29.22 SEL1511 : "Member <number> removed from the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

3.4.29.23 SEL1512 : "The Chassis Controller is not responding or is not inserted properly. The status of Chassis Controller is critical."

3.4.29.24 SEL1513 : "The status of Chassis Controller has changed from critical to OK."

3.4.29.25 SEL1514 : "The sensor indicating the inlet temperature is not responding either because the sensor is damaged, or because of damaged circuit lines for I2C bus, or a faulty sensor state."

3.4.29.26 SEL1515 : "An I2C sensor is not responding either because it is damaged, or because of damaged circuit lines for I2C bus, or a faulty sensor state."

#### 3.4.30 Subcategory : Software Config [Prefix : SWC]

3.4.30.1 SWC4004 : "A firmware or software incompatibility detected between iDRAC in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.30.2 SWC4005 : "A firmware or software incompatibility was corrected between iDRAC in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.30.3 SWC4006 : "A firmware or software incompatibility detected between system BIOS in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.30.4 SWC4007 : "A firmware or software incompatibility was corrected between system BIOS in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.30.5 SWC4008 : "A firmware or software incompatibility detected between CMC 1 and CMC 2."

3.4.30.6 SWC4009 : "A firmware or software incompatibility was corrected between CMC 1 and CMC 2."

# 3.4.30.7 SWC4012 : "A firmware or software incompatibility is detected between <first component name><first component location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <second component name> = " BIOS"
- <second component location> = " in slot 1"

# 3.4.30.8 SWC4013 : "A firmware or software incompatibility was corrected between <first component name><first component location> and <second component name><second component location>."

- <second component name> = " BIOS"
- <second component location> = " in slot 1"

#### 3.4.31 Subcategory : System Info [Prefix : SYS]

#### 3.4.31.1 SYS198 : "Unable to communicate with internal iDRAC memory."

#### 3.4.32 Subcategory : Temperature [Prefix : TMP]

#### 3.4.32.1 TMP0100 : "The system board <name> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

### 3.4.32.2 TMP0101 : "The system board <name> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "Inlet"

## 3.4.32.3 TMP0102 : "The system board <name> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

### 3.4.32.4 TMP0103 : "The system board <name> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

### 3.4.32.5 TMP0104 : "The system board <name> temperature is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "Inlet"

### 3.4.32.6 TMP0105 : "The system board <name> temperature is within range."

## 3.4.32.7 TMP0106 : "The memory module <number> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.32.8 TMP0107 : "The memory module <number> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.32.9 TMP0108 : "The memory module <number> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

### 3.4.32.10 TMP0109 : "The memory module <number> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.32.11 TMP0110 : "The memory module <number> temperature is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 3.4.32.12 TMP0111 : "The memory module <number> temperature is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.32.13 TMP0112 : "The <name> temperature is less than the lower warning threshold."



## 3.4.32.14 TMP0113 : "The <name> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "Planer"

### 3.4.32.15 TMP0114 : "The <name> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "Planer"

#### 3.4.32.16 TMP0115 : "The <name> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<name> = "Planer"

#### 3.4.32.17 TMP0116 : "The <name> temperature is outside of range."

When event is generated, message will have the following substitutions:

· <name> = "Planer"

#### 3.4.32.18 TMP0117 : "The <name> temperature is within range."

When event is generated, message will have the following substitutions:

3.4.32.19 TMP0118 : "The system inlet temperature is less than the lower warning threshold."

3.4.32.20 TMP0119 : "The system inlet temperature is less than the lower critical threshold."

3.4.32.21 TMP0120 : "The system inlet temperature is greater than the upper warning threshold."

3.4.32.22 TMP0121 : "The system inlet temperature is greater than the upper critical threshold."

3.4.32.23 TMP0122 : "The system inlet temperature is outside of range."

3.4.32.24 TMP0123 : "The system inlet temperature is within range."

3.4.32.25 TMP0124 : "Disk drive bay temperature is less than the lower warning threshold."

3.4.32.26 TMP0125 : "Disk drive bay temperature is less than the lower critical threshold."

3.4.32.27 TMP0126 : "Disk drive bay temperature is greater than the upper warning threshold."

3.4.32.28 TMP0127 : "Disk drive bay temperature is greater than the upper critical threshold."

3.4.32.29 TMP0128 : "Disk drive bay temperature is outside of range."

3.4.32.30 TMP0129 : "Disk drive bay temperature is within range."

3.4.32.31 TMP0130 : "The control panel temperature is less than the lower warning threshold."

3.4.32.32 TMP0131 : "The control panel temperature is less than the lower critical threshold."

32.33 TMP0132 : "The control panel temperature is greater than the 269

upper warning threshold."

3.4.32.34 TMP0133 : "The control panel temperature is greater than the upper critical threshold."

3.4.32.35 TMP0134 : "The control panel temperature is outside of range."

3.4.32.36 TMP0135 : "The control panel temperature is within range."

3.4.32.37 TMP0136 : "The system is automatically turned off because of insufficient cooling."

3.4.32.38 TMP0137 : "The system cooling is working normally."

3.4.32.39 TMP0200 : "CPU <number> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 3.4.32.40 TMP0201 : "CPU <number> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

## 3.4.32.41 TMP0202 : "CPU <number> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 3.4.32.42 TMP0203 : "CPU <number> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.32.43 TMP0204 : "CPU <number> temperature is outside of range."

#### 3.4.32.44 TMP0205 : "CPU <number> temperature is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 3.4.33 Subcategory : Temperature Statistics [Prefix : TMPS]

3.4.33.1 TMPS0100 : "Inlet temperature is above warning level for extended duration."

3.4.33.2 TMPS0101 : "Inlet temperature is above critical level for extended duration."

3.4.33.3 TMPS0102 : "Inlet temperature is above warning level for extended duration."

3.4.33.4 TMPS0103 : "Inlet temperature is above critical level for extended duration."

#### 3.4.34 Subcategory : vFlash Event [Prefix : VFL]

#### 3.4.34.1 VFL1001 : "Removable Flash Media <name> is present."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 3.4.34.2 VFL1008 : "Failure detected on Removable Flash Media <name>."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

## 3.4.34.3 VFL1009 : "Removable Flash Media <name> is operating normally."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

DELL

#### 3.4.34.4 VFL1010 : "Removable Flash Media <name> was activated."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 3.4.34.5 VFL1011 : "Removable Flash Media <name> was deactivated."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 3.4.34.6 VFL1014 : "Removable Flash Media <name> is write protected."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 3.4.34.7 VFL1015 : "Removable Flash Media <name> is writable."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 3.4.35 Subcategory : vFlash Absent [Prefix : VFLA]

#### 3.4.35.1 VFLA1000 : "Removable Flash Media <name> is absent."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 3.4.36 Subcategory : Voltage [Prefix : VLT]

#### 3.4.36.1 VLT0104 : "Processor module <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "3.2"

#### 3.4.36.2 VLT0105 : "Processor module <name> voltage is within range."

When event is generated, message will have the following substitutions:

<name> = "3.2"

## 3.4.36.3 VLT0200 : "The system board <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 3.4.36.4 VLT0201 : "The system board <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 3.4.36.5 VLT0202 : "The system board <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 3.4.36.6 VLT0203 : "The system board <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<name> = "VRM"

# 3.4.36.7 VLT0204 : "The system board <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 3.4.36.8 VLT0205 : "The system board <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "12"

### 3.4.36.9 VLT0206 : "The memory module <number> <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

- $\cdot$  <number> = "A"
- . <name> = "VRM"

3.0 SNMP Trap Event Notification Test Messages 273

### 3.4.36.10 VLT0207 : "The memory module <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- . <name> = "VRM"

### 3.4.36.11 VLT0208 : "The memory module <number> <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- . <name> = "VRM"

### 3.4.36.12 VLT0209 : "The memory module <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- <name> = "VRM"

### 3.4.36.13 VLT0210 : "The memory module <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- . <name> = "VRM"

#### 3.4.36.14 VLT0211 : "The memory module <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- . <name> = "VRM"

#### 3.4.36.15 VLT0212 : "The disk drive bay <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

<name> = "VRM"

## 3.4.36.16 VLT0213 : "The disk drive bay <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

# 3.4.36.17 VLT0214 : "The disk drive bay <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 3.4.36.18 VLT0215 : "The disk drive bay <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 3.4.36.19 VLT0216 : "The disk drive bay <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 3.4.36.20 VLT0217 : "The disk drive bay <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 3.4.36.21 VLT0218 : "The <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

<name> = "VRM"

### 3.4.36.22 VLT0219 : "The <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

<name> = "VRM"

DELL

# 3.4.36.23 VLT0220 : "The <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 3.4.36.24 VLT0221 : "The <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 3.4.36.25 VLT0222 : "The <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 3.4.36.26 VLT0223 : "The <name> voltage is within range."

When event is generated, message will have the following substitutions:

<name> = "VRM"

#### 3.4.36.27 VLT0224 : "The memory module <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

### 3.4.36.28 VLT0225 : "The memory module <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

### 3.4.36.29 VLT0226 : "The memory module <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

## 3.4.36.30 VLT0227 : "The memory module <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

## 3.4.36.31 VLT0228 : "The memory module <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "A"

### 3.4.36.32 VLT0229 : "The memory module <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "A"

### 3.4.36.33 VLT0230 : "The mezzanine card <number> <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

### 3.4.36.34 VLT0231 : "The mezzanine card <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- <number> = "B1"
- . <name> = "VRM"

## 3.4.36.35 VLT0232 : "The mezzanine card <number> <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

DELL

### 3.4.36.36 VLT0233 : "The mezzanine card <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

# 3.4.36.37 VLT0234 : "The mezzanine card <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

# 3.4.36.38 VLT0235 : "The mezzanine card <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- <name> = "VRM"

### 3.4.36.39 VLT0300 : "CPU <number> <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- · <name> = "VRM"

#### 3.4.36.40 VLT0301 : "CPU <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

#### 3.4.36.41 VLT0302 : "CPU <number> <name> voltage is greater than the upper warning threshold."

- . <number> = "1"
- <name> = "VRM"

# 3.4.36.42 VLT0303 : "CPU <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

#### 3.4.36.43 VLT0304 : "CPU <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

#### 3.4.36.44 VLT0305 : "CPU <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

DELL

<name> = "VRM"

#### 3.5 Category: Updates

#### 3.5.1 Subcategory : Firmware Download [Prefix : RED]

3.5.1.1 RED064 : "The scheduled Update from Repository job completed successfully. Applicable updates were not found."

3.5.1.2 RED065 : "The recurring scheduled update from repository job completed and updates were applied. A system restart was not required."

3.5.1.3 RED066 : "The recurring scheduled update from repository job completed and updates are staged to run after the next system restart."

3.5.1.4 RED067 : "The recurring scheduled update from repository job completed and updates were staged. The system will now restart to apply the staged updates."

#### 3.5.2 Subcategory : Software Change [Prefix : SWU]

3.5.2.1 SWU8561 : "Unable to downgrade the firmware version because the current hardware configuration does not support rollback to the earlier firmware version."

3.5.2.2 SWU8662 : "Unable to update the I/O Aggregator (IOA) firmware because of an issue in the network communication session between CMC and IOA in slot <slot ID>."

When event is generated, message will have the following substitutions:

<slot ID> = "2"

#### 4.0 SysLog Event Notification Test Messages

#### Topics:

- Category: Audit
- Category: Configuration
- Category: Storage
- Category: System Health
- Category: Updates

#### 4.1 Category: Audit

4.1.1 Subcategory : Chassis Management Controller [Prefix : CMC]

4.1.1.1 CMC8507 : "Extended Storage for primary CMC and secondary CMC synchronization is complete."

4.1.1.2 CMC8509 : "Unable to activate the extended storage feature on the secondary CMC: <cmc number>. The feature will be deactivated."

When event is generated, message will have the following substitutions:

<cmc number> = "2"

# 4.1.1.3 CMC8510 : "Unable to activate the extended storage feature on the secondary CMC: <cmc number>. The feature will return to single CMC mode."

When event is generated, message will have the following substitutions:

<cmc number> = "2"

DELL

4.1.1.4 CMC8511 : "Unable to synchronize the data in the Extended Storage removable flash media in the primary and secondary CMCs."

4.1.1.5 CMC8512 : "The Extended Storage feature activation timed out. The feature is not active."

4.1.1.6 CMC8513 : "The Extended Storage feature activation on the secondary CMC timed out. The feature is being returned to single CMC mode."

4.1.1.7 CMC8535 : "Unable to turn on High Power Management for the server <slot number>"

When event is generated, message will have the following substitutions:

# 4.1.1.8 CMC8571 : "The coin cell battery in the primary CMC is not working."

#### 4.1.1.9 CMC8572 : "The coin cell battery in CMC <slot id> is not working."

When event is generated, message will have the following substitutions:

< slot id> = "1"

4.1.1.10 CMC8575 : "The RAC SSL Certificate is changed."

4.1.1.11 CMC8576 : "The RAC CA Certificate is changed."

4.1.1.12 CMC8577 : "The Remote Access Controller (RAC) Kerberos Keytab is changed."

4.1.1.13 CMC8578 : "The Remote Access Controller (RAC) SSL Certificate and key is changed."

4.1.1.14 CMC8579 : "Unable to upload the security certificate because of an Unexpected Event issue in the Remote Access Controller (RAC)."

#### 4.1.2 Subcategory : Debug [Prefix : FSD]

4.1.2.1 FSD000 : "Debug authorized by customer; debugcaps: <DebugCaps>, was authorized by: <iDRAC User>, at <unblock time> for the period: <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- · <iDRAC User> = "iDRAC User"
- <start time> = "start time"
- <end time> = " end time"

# 4.1.2.2 FSD001 : "Debug authorized by Dell; debugcaps: <DebugCaps>, at <grant time>, was authorized by Dell employee: <Dell employee>, for the time period <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- <grant time> = "grant time"
- · <Dell employee> = "Dell employee"
- <start time> = "start time"
- <end time> = "end time"

# 4.1.2.3 FSD002 : "Debug authorization failed; for debugCaps: <DebugCaps>, authorized by iDRAC user: <IDRAC user>, and Dell

## employee: <Dell employee>, at <unblock time> for the period: <start time> to <end time>."

When event is generated, message will have the following substitutions:

- <DebugCaps> = "DebugCaps"
- · <IDRAC user> = "IDRAC user"
- · <Dell employee> = "Dell employee"
- <unblock time> = "unblock time"
- end time> = "end time"

#### 4.1.3 Subcategory : Licensing [Prefix : LIC]

### 4.1.3.1 LIC201 : "License <entitlement ID> assigned to device <device name> expires in <number of days> days."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"
- <number of days> = "5"

#### 4.1.3.2 LIC203 : "The license <entitlement ID> has encountered an error."

When event is generated, message will have the following substitutions:

• <entitlement ID> = "DE0000000825991"

### 4.1.3.3 LIC206 : "EULA warning: Importing license <entitlement ID> may violate the End-User License Agreement."

When event is generated, message will have the following substitutions:

• <entitlement ID> = "DE0000000825991"

### 4.1.3.4 LIC207 : "License <entitlement ID> on device <device name> has expired."

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"

# 4.1.3.5 LIC208 : "License <entitlement ID> imported to device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"

# 4.1.3.6 LIC209 : "License <entitlement ID> exported from device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"

## 4.1.3.7 LIC210 : "License <entitlement ID> deleted from device <device name> successfully."

When event is generated, message will have the following substitutions:

- <entitlement ID> = "DE0000000825991"
- · <device name> = "iDRAC"

#### 4.1.3.8 LIC211 : "The iDRAC feature set has changed."

#### 4.1.3.9 LIC212 : "The CMC features are changed."

### 4.1.3.10 LIC213 : "A system error was detected during License Manager startup."

#### 4.1.4 Subcategory : PCI Device [Prefix : PCI]

# 4.1.4.1 PCI5009 : "The PCIe adapter in the PCIe slot<PCIe slot number> was removed from the slot while the server<server slot number> was turned-on."

- <PCle slot number> = "1"
- <server slot number> = "1"

#### 4.1.5 Subcategory : Power Supply [Prefix : PSU]

4.1.5.1 PSU8505 : "Unable to set the chassis redundancy policy to AC Redundancy."

4.1.5.2 PSU8506 : "Unable to change power cap because Server Based Power Management Mode is enabled."

### 4.1.5.3 PSU8511 : "Successfully updated the firmware for the PSU in slot <slot number>."

When event is generated, message will have the following substitutions:

### 4.1.5.4 PSU8512 : "Unable to update the firmware for the PSU in slot <slot number>. Error=0x<error number> (<error string>)"

When event is generated, message will have the following substitutions:

- · <error number> = "99"
- <error string> = "Test"

### 4.1.5.5 PSU8513 : "Unable to complete the PSU slot <number> firmware update. Error=0x<error number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

• <error number> = "99"

## 4.1.5.6 PSU8515 : "Unable to set the Enable Dynamic Power Supply Engagement attribute."

4.1.5.7 PSU8516 : "Unable to set redundancy policy because PSU enumeration is in progress."

4.1.5.8 PSU8517 : "PSU redundancy policy changed."

#### 4.1.5.9 PSU8518 : "Unable to access the PSU <slot number> FRU data."

#### 4.1.5.10 PSU8519 : "Enhanced Dynamic Power Supply Engagement (DPSE) is not supported by the current power supply configuration and is suspended."

### 4.1.5.11 PSU8521 : "PSU <slotnum> exceeded upper temperature threshold and has been turned off."

When event is generated, message will have the following substitutions:

<slotnum> = "1"

#### 4.1.6 Subcategory : Power Usage [Prefix : PWR]

4.1.6.1 PWR8505 : "The Dynamic Power Supply Engagement feature was not successfully enabled."

4.1.6.2 PWR8507 : "System Input Power Cap changed from <previous power value>W AC to <new power value>W AC."

When event is generated, message will have the following substitutions:

- <previous power value> = "100"
- <new power value> = "200"

#### 4.1.6.3 PWR8509 : "Unable to change the server power priority because Server Based Power Management mode is enabled."

#### 4.1.6.4 PWR8510 : "Unable to set chassis power property <property name>."

When event is generated, message will have the following substitutions:

· <property name> = "Test"

DELL

4.1.6.5 PWR8511 : "Unable to set the CHASSIS\_POWER\_button\_disable chassis power property."

4.1.6.6 PWR8514 : "Unable to perform chassis power action due to insufficient privileges."

4.1.6.7 PWR8523 : "Completed chassis power cycle operation."

4.1.6.8 PWR8525 : "110VAC Operation acknowledged."

4.1.6.9 PWR8526 : "110VAC Operation unacknowledged."

4.1.6.10 PWR8528 : "Unable to set Max Power Conservation Mode because the Server Based Power Management mode is enabled."

4.1.6.11 PWR8529 : "Max Power Conservation Mode is enabled."

4.1.6.12 PWR8530 : "Max Power Conservation Mode is disabled."

4.1.6.13 PWR8531 : "Server Based Power Management Mode is enabled."

4.1.6.14 PWR8532 : "Server Based Power Management Mode is disabled."

4.1.6.15 PWR8533 : "Power cap changed from <power value> W AC to <power value> W AC."

When event is generated, message will have the following substitutions:

· <power value> = "100"

· <power value> = "200"
4.1.6.16 PWR8534 : "Unable to set Server Based Power Management Mode to enable."

4.1.6.17 PWR8535 : "Unable to set Server Based Power Management Mode to disable."

4.1.6.18 PWR8538 : "Power Remote Logging is enabled."

#### 4.1.6.19 PWR8539 : "Power Remote Logging is disabled."

#### 4.1.6.20 PWR8540 : "Power Remote Logging Interval set to <interval>."

When event is generated, message will have the following substitutions:

· <interval> = "5"

#### 4.1.6.21 PWR8549 : "Chassis shutdown did not complete successfully."

#### 4.1.6.22 PWR8550 : "Chassis shutdown completed."

## 4.1.6.23 PWR8552 : "Chassis Management Controller is unable to turn on <component name>-<component id> because of insufficient power."

When event is generated, message will have the following substitutions:

· <component name> = "Server"

#### 4.1.6.24 PWR8555 : "Chassis Management Controller unable to turn on <component name>-<slot number> at priority <priority number> because of insufficient power. Minimum power needed is <min power> AC Watt, but only <available power> AC Watt is available."

When event is generated, message will have the following substitutions:

- <component name> = "Server"
- · <priority number> = "2"
- . <min power> = "100"

DELL

<available power> = "50"

## 4.1.6.25 PWR8556 : "Server <slot number> was shutdown due to insufficient power."

When event is generated, message will have the following substitutions:

### 4.1.6.26 PWR8560 : "Unable to turn on I/O Module <IOM slot name> due to insufficient chassis power."

When event is generated, message will have the following substitutions:

· <IOM slot name> = "Switch-1"

### 4.1.6.27 PWR8561 : "Unable to power on server <server number> because of iDRAC communication issue."

When event is generated, message will have the following substitutions:

server number> = "1"

### 4.1.6.28 PWR8563 : "Unable to turn on Server <server number> due to I/O fabric inconsistency."

When event is generated, message will have the following substitutions:

### 4.1.6.29 PWR8564 : "Unable to turn on the Server <slot number> because the power request exceeded the System Input Power Cap."

When event is generated, message will have the following substitutions:

#### 4.1.6.30 PWR8565 : "Unable to turn off the Server <server number> due to iDRAC communication issue."

When event is generated, message will have the following substitutions:

<server number> = "1"

# 4.1.6.31 PWR8573 : "The Chassis Management Controller is unable to communicate to the iDRAC, when trying to turn off the server <server id>."

# 4.1.6.32 PWR8574 : "The Chassis Management Controller is unable to communicate to the iDRAC, when trying to hard reset the server <slot number>."

When event is generated, message will have the following substitutions:

# 4.1.6.33 PWR8578 : "Chassis Management Controller is unable to turn on the iDRAC on server-<slot number> because power required is less than available power."

When event is generated, message will have the following substitutions:

### 4.1.6.34 PWR8580 : "Chassis Management Controller is unable to turn on server-<slot number> because the Chassis is not turned on."

When event is generated, message will have the following substitutions:

### 4.1.6.35 PWR8591 : "Servers are turned off to allocate power to the newly inserted hard disk drives."

### 4.1.6.36 PWR8597 : "The Power Supply Unit (PSU) <PSU number> is turned off because it is not supported by the Chassis."

When event is generated, message will have the following substitutions:

· <PSU number> = "1"

# 4.1.6.37 PWR8598 : "The Power Supply Unit (PSU) <PSU number> is turned off because it is not compatible with the other PSUs used in the Chassis."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

DELL

### 4.1.6.38 PWR8655 : "Chassis Management Controller (CMC) is unable to turn on the component <component name>-<slot number> because of

### insufficient power. The minimum required power is <min power> AC Watts, but only <available power> AC Watts is available."

When event is generated, message will have the following substitutions:

- <component name> = "Server"
- <min power> = "100"
- <available power> = "50"

# 4.1.6.39 PWR8656 : "Chassis Management Controller (CMC) is unable to turn on the component <component name>-<slot number> because of insufficient power."

When event is generated, message will have the following substitutions:

- <component name> = "Server"
- <slot number> = "1"

#### 4.1.6.40 PWR8663 : "Unable to turn on the server <server number> because of an inconsistency between the I/O module and mezzanine card."

When event is generated, message will have the following substitutions:

### 4.1.6.41 PWR8669 : "Unable to turn on the server <server number> because of an inconsistency between the chassis and server components."

When event is generated, message will have the following substitutions:

# 4.1.6.42 PWR8670 : "Unable to turn on server<slot ID> because the required power <power level> AC Watts exceeds the subsystem Connector Limit <power limit> AC Watts for IO modules, Blowers and Servers."

When event is generated, message will have the following substitutions:

< slot ID> = "1"

- · <power level> = "200"
- <power limit> = "100"

### 4.1.6.43 PWR8671 : "The Chassis Management Controller is unable to set the Enhanced Cooling Mode because the requested power < requested

### power level> AC Watts exceeds the subsystem power limit <power limit> AC Watts for IO Modules, Blowers and Servers."

When event is generated, message will have the following substitutions:

• <requested power level> = "200"

• <power limit> = "100"

#### 4.1.7 Subcategory : Software Change [Prefix : SWU]

4.1.7.1 SWU8663 : "Unable to downgrade the firmware version because the Federal Information Processing Standard (FIPS) mode is enabled on Chassis Management Controller (CMC)."

#### 4.1.8 Subcategory : System Info [Prefix : SYS]

4.1.8.1 SYS1000 : "System is turning on."

4.1.8.2 SYS1001 : "System is turning off."

4.1.8.3 SYS1002 : "System is performing a power cycle."

4.1.8.4 SYS1003 : "System CPU Resetting."

#### 4.1.9 Subcategory : User Tracking [Prefix : USR]

#### 4.1.9.1 USR0002 : "<username> login from <ip address>."

When event is generated, message will have the following substitutions:

- . <ip address> = "192.168.1.1"

#### 4.1.9.2 USR0005 : "Login failed from <username>: <ip address>."

When event is generated, message will have the following substitutions:

. <username> = "root"

DELL

• <ip address> = "192.168.1.1"

### 4.1.9.3 USR0030 : "Successfully logged in using <username>, from <IP address> and <interface name>."

When event is generated, message will have the following substitutions:

- · <username> = "root"
- <IP address> = "192.168.1.1"

### 4.1.9.4 USR0031 : "Unable to log in for <username> from <IP address> using <interface name>."

When event is generated, message will have the following substitutions:

- · <username> = "root"
- <IP address> = "192.168.1.1"

### 4.1.9.5 USR0032 : "The session for <username> from <IP address> using <interface name> is logged off."

When event is generated, message will have the following substitutions:

- · <IP address> = "192.168.1.1"

### 4.1.9.6 USR0033 : "Login for <username> from <IP address> using <interface name> was incomplete."

When event is generated, message will have the following substitutions:

- . <username> = "root"
- <IP address> = "192.168.1.1"

#### 4.1.9.7 USR0034 : "Login attempt alert for <username> from <IP Address> using <interface name>, IP will be blocked for <seconds> seconds."

When event is generated, message will have the following substitutions:

- · <IP Address> = "10.10.10.10"
- <interface name> = "RACADM"
- <seconds> = "300"

### 4.1.9.8 USR0170 : "The Front Panel USB port is attached to iDRAC Disk.USBFront.<port number>. Device details: Device class <class>,

#### Vendor ID <vendor ID>, Manufacturer Name <manufacture name>, Product ID <product ID>, Product Name <product name>, Serial Number <serial>."

When event is generated, message will have the following substitutions:

- · <port number> = "Port"
- · <class> = "Class"
- <vendor ID> = "Vendor"
- <manufacture name> = "Man"
- · product ID> = "Prod"
- oduct name> = "Name"
- <serial> = "Serial"

# 4.1.9.9 USR0171 : "The Front Panel USB port is detached from the iDRAC Disk.USBFront.<port number>. Device Details: Device Class <class>, Vendor ID <vendor ID>, Product ID <product ID>."

When event is generated, message will have the following substitutions:

- · <port number> = "Port"
- <class> = "Class"
- < cproduct ID> = "Product"

### 4.1.9.10 USR0172 : "The Front Panel USB Management Port Mode setting is changed from <previous mode> to <new mode>."

When event is generated, message will have the following substitutions:

- <previous mode> = "OldMode"
- <new mode> = "NewMode"

### 4.1.9.11 USR0173 : "The Front Panel USB port switched automatically from iDRAC to operating system."

4.1.9.12 USR0174 : "The Front Panel USB device is removed from the operating system."

## 4.1.9.13 USR0175 : "The Front Panel USB Port Over Current is detected for the attached device on Disk.USBFront.<port number>."

When event is generated, message will have the following substitutions:

· <port number> = "1"

## 4.1.9.14 USR0176 : "The Front Panel USB Port Over Current condition is cleared for the attached device Disk.USBFront.<port number>."

When event is generated, message will have the following substitutions:

· <port number> = "1"

#### 4.1.9.15 USR0177 : "Configuring the Front Panel USB Port Mode to Automatic because the iDRAC is unable to retrieve the Front Panel USB Port Mode."

### 4.1.9.16 USR8500 : "Excessive login failures from <IP address>; blocked for <number> seconds."

When event is generated, message will have the following substitutions:

- · <IP address> = "1.2.3.4"
- . <number> = "30"

#### 4.1.9.17 USR8501 : "Successfully closed Session process: pid=<process ID> sid=<session ID>"

When event is generated, message will have the following substitutions:

- < cprocess ID> = "111"

#### 4.1.9.18 USR8502 : "Successfully closed Session: pid=<process ID> sid=<session ID>"

When event is generated, message will have the following substitutions:

- · <process ID> = "111"

#### 4.1.9.19 USR8503 : "Domain user authentication was not successful. Reason code = <error number>"

When event is generated, message will have the following substitutions:

<error number> = "99"

#### 4.1.9.20 USR8504 : "The IP address specified is out of range."

#### 4.1.9.21 USR8505 : "Successfully invalidated Session: sid=<session ID>"

#### 4.1.9.22 USR8506 : "Successfully closed Session: sid=<session ID>"

When event is generated, message will have the following substitutions:

## 4.1.9.23 USR8507 : "<Session type> login was not successful (username=<user name>, ip=<IP address>, error=0x<error number>)"

When event is generated, message will have the following substitutions:

- Session type> = "SSH"
- <user name> = "test"
- <IP address> = "1.2.3.4"
- <error number> = "99"

## 4.1.9.24 USR8508 : "<Session type> login was not successful (username=<user name>, ip=<ip address>, reason=<failure reason>)"

When event is generated, message will have the following substitutions:

- Session type> = "SSH"
- <user name> = "test"
- . <ip address> = "1.2.3.4"
- <failure reason> = "failure reason"

### 4.1.9.25 USR8509 : "Login was not successful (username=<username>, ip=<ip address>, error=0x<error no>, type=<error type>)"

When event is generated, message will have the following substitutions:

- <error no> = "99"
- <error type> = "error type"

#### 4.1.9.26 USR8510 : "Login was successful <description>(username=<username>, type=<session type>, sid=<session ID>)"

- · <username> = "test"
- <session ID> = "222"

## 4.1.9.27 USR8511 : "Login was successful <description> from <address> (username=<username>, type=<session type>, sid=<session ID>)"

When event is generated, message will have the following substitutions:

- <address> = "1.2.3.4"
- <session type> = "SSH"
- <session ID> = "222"

### 4.1.9.28 USR8512 : "<Session type> login was not successful (username=<user name>, reason=<failure reason>)"

When event is generated, message will have the following substitutions:

- Session type> = "SSH"
- . <user name> = "test"
- <failure reason> = "failure reason"

#### 4.2 Category: Configuration

# 4.2.1 Subcategory : Chassis Management Controller [Prefix : CMC]

### 4.2.1.1 CMC8700 : "The I/O Module in slot <slot number> is configured in secure IOM mode."

When event is generated, message will have the following substitutions:

#### 4.2.2 Subcategory : Storage Controller [Prefix : CTL]

4.2.2.1 CTL115 : "Unable to perform Secure Drive related operations because a key mismatch was detected between peer controllers."

4.2.2.2 CTL116 : "Unable to unlock secure foreign locked drives because already unlocked drives are detected that are neither imported nor deleted."

#### 4.2.3 Subcategory : Auto-Discovery [Prefix : DIS]

4.2.3.1 DIS100 : "The AutoConfig operation is successful."

4.2.3.2 DIS101 : "The execution of AutoConfig operation is started."

4.2.3.3 DIS102 : "Unable to start the AutoConfig import operation, because the AutoConfig import file is not available."

4.2.3.4 DIS103 : "The AutoConfig operation is unable to access a network share folder, because incorrect credentials are specified in the DHCP scope option field where the VendorID=iDRAC."

4.2.3.5 DIS104 : "The AutoConfig operation is unable to access the network share folder, because an invalid filename is specified in the DHCP scope option field where the VendorID=iDRAC."

4.2.3.6 DIS105 : "The AutoConfig operation is unable to access the network share folder, because an invalid sharetype value is specified in the DHCP scope option field where the VendorID=iDRAC."

4.2.3.7 DIS106 : "Unable to start the AutoConfig file import operation, because an invalid shutdown type was specified in the DHCP scope option field where the VendorID=iDRAC."

4.2.3.8 DIS107 : "Unable to start the AutoConfig file import operation, because an invalid AutoConfig time-to-wait value is specified in the DHCP scope option field where the VendorID=iDRAC." because Lifecycle Controller is not enabled."

4.2.3.10 DIS109 : "Unable to start the AutoConfig file import operation, because an invalid End Host Power State value is specified in the DHCP scope option field where the VendorID=iDRAC."

4.2.3.11 DIS110 : "The AutoConfig operation is completed."

4.2.3.12 DIS111 : "The AutoConfig operation is started."

4.2.3.13 DIS112 : "The AutoConfig operation is using the <file name> file."

When event is generated, message will have the following substitutions:

• <file name> = "filename"

4.2.3.14 DIS113 : "Unable to start the AutoConfig file import operation, because no options were specified in the DHCP scope option field where the VendorID=iDRAC."

4.2.3.15 DIS114 : "The AutoConfig feature timed out while waiting for Remote Services to be ready."

4.2.3.16 DIS115 : "Unable to start the AutoConfig file import operation, because no options were specified in the DHCP scope option field where the VendorID=iDRAC."

#### 4.2.3.17 DIS116 : "Unable to complete the AutoConfig operation because the parameter <parameter name> is not of flag type, which is causing a syntax error."

When event is generated, message will have the following substitutions:

· <parameter name> = "param"

## 4.2.3.18 DIS118 : "Unable to complete the AutoConfig operation because the flag <flag name> is not recognized, which is causing a syntax error."

When event is generated, message will have the following substitutions:

 $\cdot$  <flag name> = "flag2"

## 4.2.3.19 DIS119 : "The AutoConfig operation Timeout value is set to <num> minutes."

When event is generated, message will have the following substitutions:

. <num> = "num1"

### 4.2.3.20 DIS120 : "Unable to start the AutoConfig import operation because the AutoConfig import file, <file name>, is not available."

When event is generated, message will have the following substitutions:

• <file name> = "filename1"

#### 4.2.4 Subcategory : Group Manager [Prefix : GMGR]

#### 4.2.4.1 GMGR0000 : "The iDRAC Group Manager feature is disabled."

4.2.4.2 GMGR0001 : "The iDRAC Group Manager feature is enabled."

### 4.2.4.3 GMGR0002 : "The iDRAC local group <groupname> is successfully created."

When event is generated, message will have the following substitutions:

< groupname> = "groupname"

### 4.2.4.4 GMGR0003 : "The iDRAC local group <group name> is successfully deleted."

When event is generated, message will have the following substitutions:

• <group name> = "groupname"

### 4.2.4.5 GMGR0004 : "The iDRAC local group is successfully renamed to <new name>."

When event is generated, message will have the following substitutions:

. <new name> = "newname"

#### 4.2.5 Subcategory : IO Identity Optimization [Prefix : IOID]

## 4.2.5.1 IOID110 : "The virtual address of <controller> Port <port> is configured."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"
- . <port> = " 1"

#### 4.2.5.2 IOID111 : "Unable to configure the virtual address of <controller> Port <port>."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"

### 4.2.5.3 IOID112 : "The initiator properties of the <Controller> Port <Port> are successfully configured."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = " 1"

#### 4.2.5.4 IOID113 : "Unable to configure the initiator properties of <Controller> Port <Port>."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = " 1"

### 4.2.5.5 IOID114 : "The target settings properties of the <controller> Port <port> are successfully configured."

When event is generated, message will have the following substitutions:

- <controller> = "NIC Integrated 1"
- </p

#### 4.2.5.6 IOID115 : "Unable to configure the target settings properties of the <controller> Port <port>."

. <port> = " 1"

### 4.2.5.7 IOID116 : "Applying I/O Identity settings based on current persistence policy settings."

4.2.5.8 IOID117 : "The operation to apply I/O Identity settings based on current persistence policy settings has completed successfully."

4.2.5.9 IOID118 : "Unable to configure some or all I/O Identity settings based on current persistence policy settings."

4.2.5.10 IOID119 : "FlexAddress is enabled on all NIC and FC HBA devices."

#### 4.2.6 Subcategory : IO Virtualization [Prefix : IOV]

### 4.2.6.1 IOV101 : "A PCIe adapter <device name> is inserted in <slot type> <slot number>."

When event is generated, message will have the following substitutions:

- · <device name> = "Devicename"
- < slot type> = "1"

### 4.2.6.2 IOV102 : "A PCIe adapter <device name> is removed from <slot type> <slot number>."

When event is generated, message will have the following substitutions:

- · <device name> = "Devicename"
- <slot type> = "1"
- slot number> = "1"

### 4.2.6.3 IOV103 : "A PCIe adapter <device name> in <slot type><slot number> is replaced by PCIe adapter <device name>."

When event is generated, message will have the following substitutions:

- · <device name> = "Devicename1"
- < slot type> = "1"

DELL

- <slot number> = "1"
- <device name> = "Devicename2"

#### 4.2.7 Subcategory : IP Address [Prefix : IPA]

### 4.2.7.1 IPA0100 : "The iDRAC IP Address changed from <old IP Address> to <new IP Address>."

When event is generated, message will have the following substitutions:

• <old IP Address> = "192.168.1.100"

. <new IP Address> = "192.168.2.100"

#### 4.2.8 Subcategory : Job Control [Prefix : JCP]

### 4.2.8.1 JCP027 : "The (installation or configuration) job <job ID> is successfully created on iDRAC."

When event is generated, message will have the following substitutions:

· <job ID> = "JID\_123456789012"

#### 4.2.8.2 JCP036 : "The job <job ID> is successfully deleted."

When event is generated, message will have the following substitutions:

· <job ID> = "JID\_123456789012"

### 4.2.8.3 JCP037 : "The (installation or configuration) job <job ID> is successfully completed."

When event is generated, message will have the following substitutions:

· <job ID> = "JID\_123456789012"

#### 4.2.8.4 JCP038 : "Unable to run the (installation or configuration) job <job ID> because <reason>."

- · <job ID> = "JID\_123456789012"
- <reason> = " why"

### 4.2.8.5 JCP041 : "Unable to successfully run the job because the System Lockdown mode is enabled."

#### 4.2.9 Subcategory : PCI Device [Prefix : PCI]

### 4.2.9.1 PCI5001 : "A PCIe card carrier containing a PCIe card is inserted in PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

### 4.2.9.2 PCI5002 : "A PCIe card carrier that does not contain a PCIe card is inserted in the PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

### 4.2.9.3 PCI5003 : "A PCIe card carrier is removed from the PCIe slot<slot number> ."

When event is generated, message will have the following substitutions:

#### 4.2.10 Subcategory : RAC Event [Prefix : RAC]

# 4.2.10.1 RAC1068 : "Unable to set minimum non critical threshold value of <System Board Inlet Temp>, because the value entered is greater than, or equal to the maximum non critical threshold value."

When event is generated, message will have the following substitutions:

• <System Board Inlet Temp> = "InletTemp"

# 4.2.10.2 RAC1069 : "Unable to set minimum non critical threshold value of <System Board Inlet Temp>, because the value entered is greater than, or equal to the maximum critical threshold value."

When event is generated, message will have the following substitutions:

<System Board Inlet Temp> = "InletTemp"

# 4.2.10.3 RAC1070 : "Unable to set the maximum non critical threshold value of <System Board Inlet Temp>, because the value entered is greater than, or equal to the maximum critical threshold value."

When event is generated, message will have the following substitutions:

<System Board Inlet Temp> = "InletTemp"

# 4.2.10.4 RAC1071 : "Unable to set maximum non critical threshold value of <System Board Inlet Temp>, because the value entered is less than, or equal to the minimum non critical threshold value."

When event is generated, message will have the following substitutions:

• <System Board Inlet Temp> = "InletTemp"

# 4.2.10.5 RAC1072 : "Unable to set maximum non critical threshold value of <System Board Inlet Temp>, because the value entered is less than, or equal to the minimum critical threshold value."

When event is generated, message will have the following substitutions:

• <System Board Inlet Temp> = "InletTemp"

# 4.2.10.6 RAC1073 : "Unable to reset the threshold value of sensor <sensor name> because the capability to reset this sensor threshold value is not supported."

When event is generated, message will have the following substitutions:

• <sensor name> = "SensorName"

#### 4.2.10.7 RAC1136 : "Remote unattended diagnostic execution operation initiated."

#### 4.2.10.8 RAC1137 : "Remote unattended diagnostic results export operation initiated."

### 4.2.10.9 RAC1166 : "Successfully initiated Configuration XML file preview operation that was invoked by <user name>."

When event is generated, message will have the following substitutions:

• <user name> = "root"

## 4.2.10.10 RAC937 : "Successfully initiated configuration XML file import operation that was invoked by the <user name>."

When event is generated, message will have the following substitutions:

## 4.2.10.11 RAC938 : "Successfully initiated configuration XML file export operation invoked by the <user name>."

When event is generated, message will have the following substitutions:

. <user name> = "root"

#### 4.2.11 Subcategory : Security Event [Prefix : SEC]

4.2.11.1 SEC0700 : "Warning: Default username and password are currently in use. It is strongly recommended to change the default password before configuring the property. Else, it causes a severe security risk for iDRAC."

#### 4.2.12 Subcategory : Software Config [Prefix : SWC]

### 4.2.12.1 SWC8619 : "The Chassis Management Controller is unable to process data from the server in slot <slot id>."

When event is generated, message will have the following substitutions:

 $\cdot$  <slot id> = "2"

### 4.2.12.2 SWC8620 : "The Chassis Management Controller is unable to communicate with the iDRAC in server slot <slot id>."

When event is generated, message will have the following substitutions:

 $\cdot$  <slot id> = "2"

### 4.2.12.3 SWC8621 : "The Chassis Management Controller is unable to process inventory data from the server in slot <slot id>."

When event is generated, message will have the following substitutions:

 $\cdot$  <slot id> = "2"

DELL

## 4.2.12.4 SWC8623 : "Unable to save the I/O Aggregator configuration in <slot id>."

When event is generated, message will have the following substitutions:

 $\cdot$  <slot id> = "2"

### 4.2.12.5 SWC8624 : "The network communication session between CMC and I/O Aggregator cannot be started on <slot id>."

When event is generated, message will have the following substitutions:

 $\cdot$  <slot id> = "2"

#### 4.3 Category: Storage

#### 4.3.1 Subcategory : Battery Event [Prefix : BAT]

#### 4.3.1.1 BAT1000 : "Battery on <controller name> is missing."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.1.2 BAT1001 : "Battery on <controller name> was replaced."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.3 BAT1002 : "The battery on <controller name> learn cycle has started."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.4 BAT1003 : "The battery on <controller name> learn cycle has completed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

## 4.3.1.5 BAT1004 : "The battery on <controller name> learn cycle has timed out."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

## 4.3.1.6 BAT1008 : "Write policy on <controller name> was changed to Write Through."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.7 BAT1009 : "Write policy on <controller name> was changed to Write Back."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.8 BAT1020 : "The <Controller name> battery is executing a learn cycle."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 4.3.1.9 BAT1021 : "The charge level for the battery on <controller name> is below the normal threshold."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.10 BAT1023 : "The charge level for the battery on <controller name> is within normal limits."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.1.11 BAT1024 : "Errors detected with battery on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.12 BAT1025 : "<controller name> is unable to recover cached data from the Battery Backup Unit (BBU)."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.13 BAT1026 : "The <controller name> has recovered cached data from the Battery Backup Unit (BBU)."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.14 BAT1027 : "The battery on <controller name> completed a charge cycle."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.1.15 BAT1028 : "The battery voltage on <controller name> is low."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.1.16 BAT1029 : "The battery on <controller name> can no longer recharge."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.17 BAT1031 : "The battery temperature on <controller name> is above normal."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.1.18 BAT1032 : "The battery temperature on <controller name> is normal."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.1.19 BAT1033 : "The battery on <controller name> was removed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

## 4.3.1.20 BAT1034 : "The battery properties for <controller name> have changed."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.1.21 BAT1037 : "A battery is detected on the Controller <controller name>."

When event is generated, message will have the following substitutions:

#### 4.3.2 Subcategory : Cable [Prefix : CBL]

### 4.3.2.1 CBL0008 : "One or more cables are missing from <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Chassis Slot 5"

#### 4.3.3 Subcategory : Storage Controller [Prefix : CTL]

#### 4.3.3.1 CTL1 : "Controller event log: <message>"

When event is generated, message will have the following substitutions:

• <message> = "A foreign configuration was detected on RAID Controller in Slot 2"

#### 4.3.3.2 CTL10 : "<Controller name> alarm has been tested."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 4.3.3.3 CTL100 : "The Patrol Read operation was stopped and did not complete for <controller name>."

#### 4.3.3.4 CTL101 : "The <controller name> is disabled."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.5 CTL102 : "The <controller name> is enabled."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.3.6 CTL103 : "The Check Consistency Mode value of <controller name> is set to <attribute value>."

When event is generated, message will have the following substitutions:

- <controller name> = "RAID Controller in Slot 5"
- <attribute value> = "Disabled"

### 4.3.3.7 CTL104 : "The Enhanced Auto Import Foreign Config value of <controller name> is set to <attribute value>."

When event is generated, message will have the following substitutions:

- <controller name> = "RAID Controller in Slot 5"
- <attribute value> = "Disabled"

### 4.3.3.8 CTL105 : "The Patrol Read attribute <attribute name> is set to <attribute value> for <controller name>."

When event is generated, message will have the following substitutions:

- <attribute name> = "Patrol read mode"
- <attribute value> = "Enabled"
- <controller name> = "RAID Controller in Slot 5"

### 4.3.3.9 CTL106 : "The Background Initialization Rate of <controller name> is set to <initialization rate value>."

- <controller name> = "Controller in slot 3"
- <initialization rate value> = "13"

## 4.3.3.10 CTL107 : "The Rebuild Rate of <controller name> is set to <rebuild rate value>."

When event is generated, message will have the following substitutions:

- <controller name> = "Controller in slot 3"
- · <rebuild rate value> = "13"

## 4.3.3.11 CTL109 : "The Reconstruct Rate of <controller name > is set to <reconstruct rate value>."

When event is generated, message will have the following substitutions:

- <controller name > = "Controller in Slot 3"
- <reconstruct rate value> = "14"

#### 4.3.3.12 CTL11 : "Configuration on <controller name> was reset."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.3.13 CTL110 : "The Patrol Read Rate of <controller name > is set to <patrol read rate>."

When event is generated, message will have the following substitutions:

- <controller name > = "Controller in SLot 3"
- · <patrol read rate> = "13"

## 4.3.3.14 CTL111 : "The CopyBack Mode of <controller name> is set to <copyback mode>."

When event is generated, message will have the following substitutions:

- <controller name> = "Controller in Slot 1"
- <copyback mode> = "ON"

### 4.3.3.15 CTL112 : "The Loadbalance Mode of <controller name> is set to <loadbalance mode>."

- <controller name> = "Controller in Slot 3"
- · <loadbalance mode> = "Disabled"

# 4.3.3.16 CTL113 : "The controller <controller name> is operating in Degraded Fault Tolerant Mode because of a mismatch between the encryption key setting of the controller and its peer controller."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

### 4.3.3.17 CTL114 : "The encryption key of <controller name> matches with its peer controller."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

### 4.3.3.18 CTL117 : "Unable to complete the operation because an invalid passphrase is passed for the controller <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

# 4.3.3.19 CTL118 : "Unable to update the RAID controller <RAID controller> firmware version because the downloaded firmware image file is corrupted."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

#### 4.3.3.20 CTL119 : "Unable to update the RAID controller <RAID controller> firmware version because of an error in erasing the previous RAID controller firmware version (Flash Erase Error)."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

#### 4.3.3.21 CTL12 : "An invalid SAS configuration has been detected on <Controller name>. Details: <error message>"

- <Controller name> = "RAID Controller in Slot 5"
- <error message> = "SAS topology error: SMP function failed"

#### 4.3.3.22 CTL120 : "Unable to update the RAID controller <RAID controller> firmware version because of a timeout while erasing the previous RAID controller firmware version."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

#### 4.3.3.23 CTL121 : "Unable to update the RAID controller <RAID controller> firmware version because of an issue during the update process (programming error)."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

#### 4.3.3.24 CTL122 : "Unable to update the RAID controller <RAID controller> firmware version because of an issue during the update process (programming timeout error)."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

# 4.3.3.25 CTL123 : "Unable to update the RAID controller <RAID controller> firmware version because the memory chip on which the firmware image is saved in is of an unknown type."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

# 4.3.3.26 CTL124 : "Unable to update the RAID controller <RAID controller> firmware version because of an issue detected in the firmware image file during the verification process."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

## 4.3.3.27 CTL125 : "Unable to update the RAID controller <RAID controller> firmware version because the firmware image file is not supported."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

#### 4.3.3.28 CTL126 : "Unable to update the RAID controller <RAID controller> firmware version because the firmware image file is not signed and certified by an authorized source."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

#### 4.3.3.29 CTL127 : "Unable to update the RAID controller <RAID controller> firmware version because the signed and certified firmware image file is not authenticated."

When event is generated, message will have the following substitutions:

• <RAID controller> = "RAID Controller in Slot 1"

#### 4.3.3.30 CTL13 : "The <Controller name> cache has been discarded."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 4.3.3.31 CTL14 : "Single-bit ECC error limit exceeded on the <controller name> DIMM."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.32 CTL28 : "The Background Initialization (BGI) rate has changed for <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 4.3.3.33 CTL29 : "The Patrol Read rate has changed for <Controller name>."

When event is generated, message will have the following substitutions:

<Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.34 CTL30 : "The Check Consistency rate has changed for <Controller name>."

# 4.3.3.35 CTL34 : "A foreign configuration was cleared on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

## 4.3.3.36 CTL35 : "A foreign configuration was imported on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.3.37 CTL36 : "The Patrol Read mode has changed for <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.38 CTL37 : "A Patrol Read operation started for <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.3.39 CTL38 : "The Patrol Read operation completed for <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.40 CTL39 : "The <Controller name> reconstruct rate has changed."

When event is generated, message will have the following substitutions:

Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.41 CTL40 : "Multi-bit ECC error on <Controller name> DIMM."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.42 CTL41 : "Single-bit ECC error on <Controller name>."



## 4.3.3.43 CTL42 : "Enclosure Management Module (EMM) hot plug is not supported on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

## 4.3.3.44 CTL44 : "Diagnostic message <message> from <Controller name>"

When event is generated, message will have the following substitutions:

- <message> = "BBU Retention test failed!"
- <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.45 CTL45 : "Single-bit ECC error on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 4.3.3.46 CTL46 : "Single-bit ECC error. The <Controller name> DIMM is critically degraded."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.47 CTL47 : "Single-bit ECC error on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 4.3.3.48 CTL48 : "A foreign configuration was detected on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.49 CTL49 : "The NVRAM has corrupted data on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.50 CTL50 : "The <Controller name> NVRAM has corrupt data."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.51 CTL51 : "<Controller name> SAS port report: <message>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- <message> = "SAS wide port 0 lost link on PHY 0"

#### 4.3.3.52 CTL52 : "<Controller name> SAS port report: <args>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- · <args> = " not implemented."

## 4.3.3.53 CTL57 : "The factory default settings were restored on <controller Name>."

When event is generated, message will have the following substitutions:

• <controller Name> = "RAID Controller in Slot 5"

### 4.3.3.54 CTL58 : "<Controller name> SAS SMP communications error <args>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- · <args> = " not implemented"

#### 4.3.3.55 CTL59 : "<Controller name> SAS expander error: <args>"

When event is generated, message will have the following substitutions:

- <Controller name> = "RAID Controller in Slot 5"
- · <args> = " not implemented"

### 4.3.3.56 CTL61 : "Physical disks found missing from configuration during boot time on <Controller name>."

When event is generated, message will have the following substitutions:

<Controller name> = "RAID Controller in Slot 5"

### 4.3.3.57 CTL62 : "<VD names> on <Controller name> has missing drives and will go offline at boot."

When event is generated, message will have the following substitutions:

- VD names> = "not implemented"
- <Controller name> = " RAID Controller in Slot 5"

### 4.3.3.58 CTL63 : "Previous configuration was found completely missing during boot time on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

### 4.3.3.59 CTL72 : "The foreign configuration overflow has occurred on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.60 CTL73 : "Foreign configuration is imported only partially. Some configurations failed to import on <Controller name>."

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.61 CTL74 : "Preserved cache detected on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.62 CTL75 : "Preserved cache discarded on <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.63 CTL76 : "A configuration command could not be committed to disk on <Controller name>"

When event is generated, message will have the following substitutions:

• <Controller name> = "RAID Controller in Slot 5"

#### 4.3.3.64 CTL81 : "Security key assigned to <controller name> is modified."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.65 CTL83 : "Communication with <controller name> has been lost."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.66 CTL86 : "<controller name> is operating in Fault Tolerant Mode."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.3.67 CTL89 : "<controller name> is no longer fault tolerant because the peer controller is not available."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.68 CTL90 : "<controller name> is not operating in Fault Tolerant Mode because of an incompatible peer controller."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.3.69 CTL91 : "<controller name> is unable to communicate with its peer."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.70 CTL92 : "<controller name> is not operating in Fault Tolerant Mode because of an incompatible license setting on its peer controller."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 6"

### 4.3.3.71 CTL93 : "<controller name> has been successfully changed to operate in Fault Tolerant mode."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.3.72 CTL94 : "<controller name> has been successfully changed to operate in single controller mode."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.73 CTL95 : "<controller name> has left the fault tolerant pair."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

### 4.3.3.74 CTL97 : "<controller name> personality changed to <new mode> mode."

When event is generated, message will have the following substitutions:

- <controller name> = "RAID Controller in Slot 5"
- . <new mode> = " HBA"

#### 4.3.3.75 CTL98 : "Security key assigned to <controller name>."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.3.76 CTL99 : "Security key assigned to <controller name> is deleted."

When event is generated, message will have the following substitutions:

• <controller name> = "RAID Controller in Slot 5"

#### 4.3.4 Subcategory : Storage Enclosure [Prefix : ENC]

#### 4.3.4.1 ENC1 : "< Enclosure Management Module Name> was inserted."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 4.3.4.2 ENC12 : "Communication resumed on < Enclosure Name>."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.4.3 ENC14 : "The number of enclosures connected on <controller name> has exceeded the maximum limit supported by the controller."

When event is generated, message will have the following substitutions:

<controller name> = "port 0 of Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.4.4 ENC18 : "Communication with <enclosure name> was lost."

When event is generated, message will have the following substitutions:

• <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.4.5 ENC19 : "< Enclosure Management Module Name> has failed."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 4.3.4.6 ENC2 : "< Enclosure Management Module Name> was removed."

When event is generated, message will have the following substitutions:

• <Enclosure Management Module Name> = "EMM 0 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 4.3.4.7 ENC22 : "The <Enclosure Name> has a bad sensor <args>."

When event is generated, message will have the following substitutions:

- <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- · <args> = " not implemented"

#### 4.3.4.8 ENC23 : "<enclosure name> - Issue with PHY <PHY data>."

When event is generated, message will have the following substitutions:

- <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <PHY data> = " not implemented"

#### 4.3.4.9 ENC24 : "Communication with <enclosure name> is intermittent."

#### 4.3.4.10 ENC25 : "<enclosure name> has a hardware error."

When event is generated, message will have the following substitutions:

• <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.4.11 ENC26 : "<enclosure name> is not responding."

When event is generated, message will have the following substitutions:

• <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

# 4.3.4.12 ENC28 : "Enclosure Management Module (EMM) firmware version mismatch detected in <enclosure name>.<EMM 0 version> <EMM 1 version>."

When event is generated, message will have the following substitutions:

- <enclosure name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <EMM 0 version> = ".12"
- <EMM 1 version> = ".11"

#### 4.3.4.13 ENC29 : "< Enclosure Name> temperature has returned to normal."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.4.14 ENC3 : "<Enclosure Name> is shutdown."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.4.15 ENC31 : "Firmware download on < Enclosure Name> has failed."

When event is generated, message will have the following substitutions:

• <Enclosure Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.4.16 ENC40 : "A new enclosure was detected on <controller name>."

When event is generated, message will have the following substitutions:

<controller name> = "RAID Controller in Slot 5"
### 4.3.5 Subcategory : Fan Event [Prefix : FAN]

#### 4.3.5.1 FAN1000 : "<Fan Sensor Name> was removed."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.5.2 FAN1001 : "<Fan Sensor Name> has been inserted."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 4 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

#### 4.3.5.3 FAN1002 : "<Fan Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <Fan Sensor Name> = "Fan 4 in Enclosure 0 on Connector 1 of RAID Controller in Slot 2"

### 4.3.6 Subcategory : Physical Disk [Prefix : PDR]

#### 4.3.6.1 PDR1 : "<physical disk> copyback stopped for rebuild."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.2 PDR10 : "<physical disk> rebuild has started."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.3 PDR105 : "The physical disk drive <physical disk drive name> is assigned as a dedicated hot-spare."

When event is generated, message will have the following substitutions:

• cphysical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.4 PDR106 : "The physical disk drive <physical disk drive name> is unassigned as a dedicated hot-spare."

<physical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.5 PDR107 : "The physical disk drive <physical disk drive name> is assigned as a global hot-spare."

When event is generated, message will have the following substitutions:

• cphysical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.6 PDR108 : "The physical disk drive <physical disk drive name> is unassigned as a global hot spare."

When event is generated, message will have the following substitutions:

• cphysical disk drive name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.7 PDR11 : "<physical disk> rebuild was cancelled."

When event is generated, message will have the following substitutions:

• controller in Slot 5"

### 4.3.6.8 PDR112 : "The <PCIe solid state device name> has reached <percent> of warranted device wear-out limit."

When event is generated, message will have the following substitutions:

- <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"
- . <percent> = " 80%"

### 4.3.6.9 PDR113 : "The <PCIe solid state device name> has reached or exceeded its warranted wear-out limit."

When event is generated, message will have the following substitutions:

• <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"

### 4.3.6.10 PDR114 : "The <PCIe solid state device name> is approaching read-only mode."

When event is generated, message will have the following substitutions:

PCIe solid state device name> = "PCIe Solid-State Drive in Slot 9 in Bay 1"

### 4.3.6.11 PDR115 : "The <PCIe solid state device name> is in read-only mode."

• <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"

### 4.3.6.12 PDR116 : "Predictive failure reported for <PCIe solid state device name>"

When event is generated, message will have the following substitutions:

PCIe solid state device name> = "PCIe Solid-State Drive in Slot 9 in Bay 1"

### 4.3.6.13 PDR117 : "The <PCIe solid state device name> has turned off because the critical temperature threshold is exceeded."

When event is generated, message will have the following substitutions:

• <PCle solid state device name> = "PCle Solid-State Drive in Slot 9 in Bay 1"

#### 4.3.6.14 PDR13 : "<physical disk> rebuild has failed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.15 PDR15 : "<physical disk> rebuild is complete."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.16 PDR16 : "Predictive failure reported for <physical disk>."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.17 PDR2 : "Insufficient space available on <physical disk> to perform a copyback operation."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.18 PDR218 : "The Patrol Read operation detected a media error on the disk drive <drive name> and automatically corrected the error."

When event is generated, message will have the following substitutions:

<drive name> = "Disk 5 in Enclosure 0 on Controller 1 of RAID Controller in Slot 5"

#### 4.3.6.19 PDR26 : "<physical disk> is online."



v <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.20 PDR3 : "<PD Name> is not functioning correctly."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.21 PDR37 : "The <physical device> is not supported."

When event is generated, message will have the following substitutions:

• <physical device> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.22 PDR38 : "A clear operation started on <physical disk>."

When event is generated, message will have the following substitutions:

controller in Slot 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.23 PDR4 : "<physical disk> returned to a ready state."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.24 PDR41 : "The clear operation on <physical disk> was cancelled."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.25 PDR43 : "The clear operation on <physical disk> has completed."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.26 PDR44 : "The clear operation on <physical disk> failed."

When event is generated, message will have the following substitutions:

• controller in Slot 5"

### 4.3.6.27 PDR46 : "Patrol Read found an uncorrectable media error on <physical disk>."

When event is generated, message will have the following substitutions:

<physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

## 4.3.6.28 PDR47 : "A block on <physical disk> was punctured by the controller."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.29 PDR48 : "The <physical disk> rebuild has resumed."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.30 PDR49 : "The dedicated hot spare <PD Name> is too small."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.31 PDR5 : "<PD Name> is removed."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.32 PDR50 : "Insufficient space on the global hot spare <PD Name>."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.33 PDR51 : "Hot spare <physical disk> SMART polling has failed.<args>"

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <args> = " Error 123"

DELL

#### 4.3.6.34 PDR52 : "A redundant path is broken."

#### 4.3.6.35 PDR53 : "A redundant path has been restored for <PD Name>."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

## 4.3.6.36 PDR54 : "A disk media error on <physical disk> was corrected during recovery."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.37 PDR55 : "Insufficient space available on the <physical disk> to perform a rebuild."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.38 PDR56 : "Bad block table on <physical disk> is 80% full."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.39 PDR57 : "Bad block table on <physical disk> is full. Unable to log block <logical block address >."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <logical block address > = "a1b1c1d1e1f1"

#### 4.3.6.40 PDR59 : "A bad disk block was reassigned on <physical disk>."

When event is generated, message will have the following substitutions:

controller in Slot 5"
 controller in Slot 5"

#### 4.3.6.41 PDR6 : "<physical disk> is offline."

When event is generated, message will have the following substitutions:

controller in Slot 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.42 PDR60 : "Error occurred on <physical disk> : <error code>."

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <error code> = " Error 123"

### 4.3.6.43 PDR61 : "The rebuild of <physical disk> failed due to errors on the source physical disk."

When event is generated, message will have the following substitutions:

cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.44 PDR62 : "The rebuild failed due to errors on the target <physical disk>."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.45 PDR63 : "A bad disk block on <physical disk> cannot be reassigned during a write operation."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.46 PDR64 : "An unrecoverable disk media error occurred on <physical disk>."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.47 PDR69 : "Rebuild not possible on <physical disk>."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

## 4.3.6.48 PDR70 : "Copyback started from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- chysical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

### 4.3.6.49 PDR71 : "Copyback completed from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

• optimized disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

### 4.3.6.50 PDR72 : "Copyback resumed on <physical disk> from <physical disk>."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- controller in Slot 5"

## 4.3.6.51 PDR73 : "Copyback failed from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <physical disk> = " Disk 6 in Enclosure 0 on Coonnector 0 of RAID Controller in Slot 5"

#### 4.3.6.52 PDR75 : "Copyback stopped for hot spare <physical disk> ."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.53 PDR77 : "<physical disk> state changed from READY to Non-RAID."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.54 PDR79 : "A user terminated Copyback from <physical disk> to <physical disk>."

When event is generated, message will have the following substitutions:

- <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- controller in Slot 5"

#### 4.3.6.55 PDR8 : "<PD Name> is inserted."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.56 PDR81 : "Microcode update started on <physical disk>."

v <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.57 PDR82 : "<physical disk> security was activated."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.58 PDR83 : "<PD Name> is reprovisioned."

When event is generated, message will have the following substitutions:

• <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.59 PDR84 : "<physical disk> Security key has changed."

When event is generated, message will have the following substitutions:

• chysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.6.60 PDR85 : "Security subsystem errors detected for <physical disk>."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.61 PDR86 : "Bad block table on <physical disk> is full."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.62 PDR87 : "<physical device> was reset."

When event is generated, message will have the following substitutions:

<physical device> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

## 4.3.6.63 PDR88 : "Power state change failed on <PD Name>. (from <state> to <state>)"

When event is generated, message will have the following substitutions:

- <PD Name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"
- <state> = "Spun Up"

#### 4.3.6.64 PDR93 : "Microcode update on <physical disk> has completed."



• optimized disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.65 PDR94 : "Microcode update on <physical disk> has timed out."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.66 PDR95 : "Microcode update on <physical disk> has failed."

When event is generated, message will have the following substitutions:

• cphysical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.67 PDR96 : "Security was disabled on <physical disk>."

When event is generated, message will have the following substitutions:

controller in Slot 5"
 controller in Slot 5"
 controller in Slot 5"

#### 4.3.6.68 PDR97 : "<physical disk> security key required."

When event is generated, message will have the following substitutions:

• <physical disk> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.6.69 PDR98 : "Command timeout occurred on <physical disk>.<args>."

When event is generated, message will have the following substitutions:

- controller in Slot 5
   controller in Slot 5
   controller in Slot 5

### 4.3.6.70 PDR99 : "The secure erase operation on Self Encryption Disk < PD Name > has completed."

When event is generated, message will have the following substitutions:

PD Name > = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.7 Subcategory : Power Supply [Prefix : PSU]

### 4.3.7.1 PSU1000 : "Power supply cable has been removed from <PSU Sensor Name>."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.7.2 PSU1001 : "<PSU Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.7.3 PSU1002 : "<PSU Sensor Name> was removed"

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.7.4 PSU1003 : "<PSU Sensor Name> is switched OFF."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.7.5 PSU1004 : "Power supply cable has been inserted into <PSU Sensor Name>."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.7.6 PSU1005 : "<PSU sensor name> is switched on."

When event is generated, message will have the following substitutions:

• <PSU sensor name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.7.7 PSU1006 : "<PSU sensor name> was inserted."

When event is generated, message will have the following substitutions:

• <PSU sensor name> = "PSU 1 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.7.8 PSU1007 : "<PSU Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <PSU Sensor Name> = "Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.7.9 PSU1010 : "The DC power supply is switched off."

### 4.3.8 Subcategory : Security Event [Prefix : SEC]

#### 4.3.8.1 SEC0100 : "The <module name> in slot <slot number> is open."

When event is generated, message will have the following substitutions:

- <module name> = "Storage disk tray"
- <slot number> = "1"

### 4.3.8.2 SEC0101 : "The <module name> in slot <slot number> is opened for more than 3 minutes."

When event is generated, message will have the following substitutions:

- <module name> = "Storage disk tray"
- <slot number> = "2"

#### 4.3.8.3 SEC0102 : "The <module name> in slot <slot number> is closed."

When event is generated, message will have the following substitutions:

- <module name> = "Storage disk tray"

#### 4.3.9 Subcategory : SSD Devices [Prefix : SSD]

# 4.3.9.1 SSD0001 : "The Write Endurance of Solid state drive (SSD) <drive FQDD> is less than the threshold value of Remaining Write Rated Endurance."

When event is generated, message will have the following substitutions:

<drive FQDD> = "PCIe Solid-State Drive in Slot 9 in Bay 1."

### 4.3.9.2 SSD0002 : "The Available Spare of solid state drive (SSD) <drive FQDD> is less than the threshold value of Available Spare Alert."

When event is generated, message will have the following substitutions:

• <drive FQDD> = "PCIe Solid-State Drive in Slot 9 in Bay 1"

### 4.3.10 Subcategory : Storage [Prefix : STOR]

4.3.10.1 STOR097 : "Unable to complete the operation because the memory size of the physical disk drive is less than the available or entered virtual disk size."

4.3.10.2 STOR099 : "Unable to find the FQDD <component FQDD> because an invalid FQDD is entered or an operation is pending on the specified FQDD."

When event is generated, message will have the following substitutions:

• <component FQDD> = "FQDD"

#### 4.3.10.3 STOR1 : "A device <device name> is in an unknown state."

When event is generated, message will have the following substitutions:

<device name> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

4.3.10.4 STOR10 : "Access to shared storage will not be available, because the RAID controller is unable to turn on."

4.3.10.5 STOR101 : "Unable to complete the operation because the keyID entered does not match the key identifier (keyID) of the peer controller."

4.3.10.6 STOR11 : "The currently detected hardware configuration is High Availability Ready. However, the current software solution does not yet support high availability."

4.3.10.7 STOR12 : "Chassis is operating with a disabled RAID controller."

4.3.10.8 STOR13 : "Unable to set the operation mode of the newly inserted storage sled in slot <slot number> to Split Single or Split Dual Host, because the storage sled has only one PERC controller."

When event is generated, message will have the following substitutions:

<slot number> = "3"

DELL

## 4.3.10.9 STOR14 : "The peripheral sled in slot <slot number> initialization is not complete."

When event is generated, message will have the following substitutions:

### 4.3.10.10 STOR15 : "The storage sled <slot number> is improperly configured."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 4.3.10.11 STOR16 : "The storage sled <slot number> configuration is normal."

When event is generated, message will have the following substitutions:

<slot number> = "1"

# 4.3.10.12 STOR17 : "The fault-tolerant pair of RAID controllers <RAID controller 1> and <RAID controller 2> can have issues in their PCIe fabric because both controllers are on the same PCIe fabric."

When event is generated, message will have the following substitutions:

- <RAID controller 1> = "RAID Controller in Chassis Slot 4"
- <RAID controller 2> = " RAID Controller in Chassis Slot 5"

### 4.3.10.13 STOR18 : "A Shared Storage device is detected in slots other than Chassis Slots 5 and 6. This configuration is not currently supported."

#### 4.3.10.14 STOR2 : "SCSI sense data <args>."

When event is generated, message will have the following substitutions:

4.3.10.15 STOR7 : "The storage management instrumentation is performing an inventory refresh operation."

4.3.10.16 STOR8 : "Detected two RAID controllers in integrated slots. This configuration is not currently supported and the second controller will not be powered on."

4.3.10.17 STOR9 : "No RAID controllers have been detected. Access to shared storage will not be available."

### 4.3.11 Subcategory : Temperature [Prefix : TMP]

### 4.3.11.1 TMP1000 : "<tempsensor name> exceeded the maximum warning threshold."

When event is generated, message will have the following substitutions:

• <tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.11.2 TMP1001 : "<tempsensor name> has crossed the minimum warning threshold."

When event is generated, message will have the following substitutions:

• <tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.11.3 TMP1002 : "<tempsensor name> has exceeded the maximum failure threshold."

When event is generated, message will have the following substitutions:

• <tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.11.4 TMP1003 : "<tempsensor name> has crossed the minimum failure threshold."

When event is generated, message will have the following substitutions:

• <tempsensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.11.5 TMP1004 : "The temperature sensor <temperature sensor name> is now within configured threshold values."



<temperature sensor name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.11.6 TMP7 : "<Temp Sensor Name> has failed."

When event is generated, message will have the following substitutions:

• <Temp Sensor Name> = "Temperature Sensor 0 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

### 4.3.12 Subcategory : Virtual Disk [Prefix : VDR]

#### 4.3.12.1 VDR1 : "<VD Name> failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.2 VDR10 : "Formatting the <VD Name> has started."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.3 VDR100 : "<virtual disk> is unavailable because of incompatibilities with the current controller."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.4 VDR101 : "Virtual Adapter mapping reported for <Virtual Disk Name>. Virtual Adapter 1 is now <Access Policy 1>. Virtual Adapter 2 is now <Access Policy 2>. Virtual Adapter 3 is now <Access Policy 3>. Virtual Adapter 4 is now <Access Policy 4>"

When event is generated, message will have the following substitutions:

- <Virtual Disk Name> = "Virtual Disk 0 on Integrated RAID Controller 0"
- <Access Policy 1> = "Read/Write"
- <Access Policy 2> = "No Access"
- <Access Policy 3> = "No Access"
- <Access Policy 4> = "No Access"

#### 4.3.12.5 VDR11 : "<virtual disk> has started initializing."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

## 4.3.12.6 VDR113 : "Controller preserved cache was discarded by user for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.7 VDR12 : "Reconfiguration has started for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.8 VDR13 : "<VD Name> rebuild has started."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.9 VDR14 : "The consistency check on <virtual disk> was cancelled."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.10 VDR15 : "Initialization of <virtual disk> was cancelled."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.11 VDR16 : "Consistency check of <virtual disk> failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.12 VDR17 : "<VD Name> format failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.13 VDR18 : "Initialization of <virtual disk> has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.14 VDR19 : "Reconfiguration of <virtual disk> has failed."

When event is generated, message will have the following substitutions:

• <virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.15 VDR2 : "<virtual disk> returned to optimal state."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.16 VDR21 : "Consistency check for <virtual disk> has completed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.17 VDR22 : "Formatting the <VD Name> is completed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.18 VDR23 : "Initialization of <virtual disk> has completed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.19 VDR24 : "Reconfiguration of <virtual disk> has completed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.20 VDR25 : "<VD Name> rebuild is completed."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.21 VDR26 : "The check consistency on a <VD Name> has been paused (suspended)."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

## 4.3.12.22 VDR27 : "The consistency check on a <VD Name> has been resumed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.23 VDR28 : "A virtual disk and its mirror have been split."

#### 4.3.12.24 VDR29 : "A mirrored virtual disk has been un-mirrored."

#### 4.3.12.25 VDR3 : "Redundancy normal on <VD Name>."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.26 VDR30 : "<virtual disk> write policy has changed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.27 VDR31 : "Controller cache is preserved for missing or offline <VD Name>."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.28 VDR32 : "Background initialization has started for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.29 VDR33 : "Background initialization was cancelled for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.30 VDR34 : "Background initialization failed for <virtual disk>."

## 4.3.12.31 VDR35 : "Background initialization has completed for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.32 VDR36 : "<VD Name> initialization is in-progress <progress percent>."

When event is generated, message will have the following substitutions:

- <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"
- <progress percent> = "30%"

#### 4.3.12.33 VDR37 : "Dead disk segments are restored on <VD Name>."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.34 VDR38 : "<VD Name> is renamed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.35 VDR39 : "The check consistency has made corrections and completed for <VD name>."

When event is generated, message will have the following substitutions:

• <VD name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.36 VDR4 : "<virtual disk> was created."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.37 VDR40 : "The reconfiguration of <virtual disk> has resumed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.38 VDR41 : "<VD Name> read policy has changed."

#### 4.3.12.39 VDR42 : "Dedicated hot spare assigned physical disk <args>."

When event is generated, message will have the following substitutions:

• <args> = "Disk 5 in Enclosure 0 on Connector 0 of RAID Controller in Slot 5"

#### 4.3.12.40 VDR43 : "Dedicated hot spare unassigned physical disk <args>."

When event is generated, message will have the following substitutions:

• <args> = "Disk 5 in Enclosure 0 on Connector 0 o RAID Controller in Slot 5"

#### 4.3.12.41 VDR44 : "<VD Name> disk cache policy has changed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.42 VDR45 : "<VD Name> blink has been initiated."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.43 VDR46 : "<VD Name> blink has ceased."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.44 VDR47 : "A disk media error was corrected on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.45 VDR48 : "<VD Name> has inconsistent data."

When event is generated, message will have the following substitutions:

VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.46 VDR49 : "<VD Name> is permanently degraded."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

DELL

#### 4.3.12.47 VDR5 : "<virtual disk> was deleted."

When event is generated, message will have the following substitutions:

• <virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.48 VDR50 : "Background Initialization (BGI) completed with uncorrectable errors on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.49 VDR51 : "The consistency check process made corrections and completed on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.50 VDR52 : "The consistency check found inconsistent parity data on <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.51 VDR53 : "The consistency check logging of inconsistent parity data is disabled for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.52 VDR54 : "<VD Name> initialization is terminated."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.53 VDR55 : "<VD Name> initialization has failed."

When event is generated, message will have the following substitutions:

<VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.54 VDR56 : "Redundancy of <virtual disk> has been degraded."

## 4.3.12.55 VDR57 : "Background Initialization in <VD Name> corrected medium error."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.56 VDR58 : "Bad block medium error is detected at block <args> on <VD Name>."

When event is generated, message will have the following substitutions:

- <args> = "0x12345678"
- <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.57 VDR59 : "<VD Name> security has failed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.58 VDR6 : "<VD Name> configuration has changed."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.59 VDR60 : "<initialization type> initialization is in progress on <virtual disk>."

When event is generated, message will have the following substitutions:

- <virtual disk> = " Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.60 VDR7 : "<virtual disk> has failed."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

# 4.3.12.61 VDR8 : "<virtual disk> is degraded either because the physical disk drive in the drive group is removed or the physical disk drive added in a redundant virtual drive has failed."



#### 4.3.12.62 VDR9 : "<virtual disk> consistency check has started."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.63 VDR91 : "Consistency check for <virtual disk> has detected multiple uncorrectable medium errors."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.64 VDR92 : "Consistency check for <virtual disk> has completed with uncorrectable errors."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.65 VDR93 : "<VD Name> bad block medium error is cleared."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.66 VDR94 : "Controller preserved cache was recovered for <virtual disk>."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.67 VDR95 : "Unable to log block <arg>.Bad block table on <VD Name> is full."

When event is generated, message will have the following substitutions:

- . <arg> = "0x1234567890"
- <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.68 VDR96 : "Bad block table on <virtual disk> is 80 percent full."

When event is generated, message will have the following substitutions:

• <virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

#### 4.3.12.69 VDR97 : "Patrol Read corrected a media error on <VD Name>."

When event is generated, message will have the following substitutions:

• <VD Name> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.3.12.70 VDR98 : "<virtual disk> has switched active controllers. Its active path is now through <controller name>."

When event is generated, message will have the following substitutions:

- <virtual disk> = "Virtual Disk 0"
- <controller name> = " RAID Controller in Slot 5"

### 4.3.12.71 VDR99 : "<virtual disk> is unavailable because of an ID conflict in the fault-tolerant pair."

When event is generated, message will have the following substitutions:

<virtual disk> = "Virtual Disk 0 on Integrated RAID Controller 1"

### 4.4 Category: System Health

### 4.4.1 Subcategory : Amperage [Prefix : AMP]

### 4.4.1.1 AMP0300 : "The system board <name> current is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 4.4.1.2 AMP0301 : "The system board <name> current is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "fail-safe"

### 4.4.1.3 AMP0302 : "The system board <name> current is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

4.0 SysLog Event Notification Test Messages 349

### 4.4.1.4 AMP0303 : "The system board <name> current is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

#### 4.4.1.5 AMP0304 : "The system board <name> current is outside of range."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

#### 4.4.1.6 AMP0305 : "The system board <name> current is within range."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 4.4.1.7 AMP0306 : "Disk drive bay <name> current is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 4.4.1.8 AMP0307 : "Disk drive bay <name> current is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 4.4.1.9 AMP0308 : "Disk drive bay <name> current is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

### 4.4.1.10 AMP0309 : "Disk drive bay <name> current is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

#### 4.4.1.11 AMP0310 : "Disk drive bay <name> current is outside of range."

When event is generated, message will have the following substitutions:

<name> = "fail-safe"

#### 4.4.1.12 AMP0311 : "Disk drive bay <name> current is within range."

When event is generated, message will have the following substitutions:

. <name> = "fail-safe"

DØLL

4.4.1.13 AMP0312 : "System level current is less than the lower warning threshold."

4.4.1.14 AMP0313 : "System level current is less than the lower critical threshold."

4.4.1.15 AMP0314 : "System level current is greater than the upper warning threshold."

4.4.1.16 AMP0315 : "System level current is greater than the upper critical threshold."

4.4.1.17 AMP0316 : "System level current is outside of range."

4.4.1.18 AMP0317 : "System level current is within range."

4.4.1.19 AMP0318 : "Chassis power level current is less than the lower warning threshold."

4.4.1.20 AMP0319 : "Chassis power level current is less than the lower critical threshold."

4.4.1.21 AMP0320 : "Chassis power level current is greater than the upper warning threshold."

4.4.1.22 AMP0321 : "Chassis power level current is greater than the upper critical threshold."

4.4.1.23 AMP0322 : "Chassis power level current is outside of range."

4.4.1.24 AMP0323 : "Chassis power level current is within range."

#### 4.4.2 Subcategory : Auto System Reset [Prefix : ASR]

4.4.2.1 ASR0000 : "The watchdog timer expired."

4.4.2.2 ASR0001 : "The watchdog timer reset the system."

4.4.2.3 ASR0002 : "The watchdog timer powered off the system."

(D&LL)

4.4.2.4 ASR0003 : "The watchdog timer power cycled the system."

#### initiated."

### 4.4.3 Subcategory : Battery Event [Prefix : BAT]

4.4.3.1 BAT0000 : "The system board battery is low."

4.4.3.2 BAT0001 : "The system board battery is operating normally."

4.4.3.3 BAT0002 : "The system board battery has failed."

4.4.3.4 BAT0003 : "The system board battery is present."

4.4.3.5 BAT0004 : "The system board battery is absent."

4.4.3.6 BAT0005 : "The storage battery is low."

4.4.3.7 BAT0006 : "The storage battery is operating normally."

4.4.3.8 BAT0007 : "The storage battery has failed."

- 4.4.3.9 BAT0008 : "The storage battery is present."
- 4.4.3.10 BAT0009 : "The storage battery is absent."

4.4.3.11 BAT0010 : "The storage battery for disk drive bay <bay> is low."

When event is generated, message will have the following substitutions:

### 4.4.3.12 BAT0011 : "The storage battery for disk drive bay <bay> is operating normally."

When event is generated, message will have the following substitutions:

DØLL

### 4.4.3.13 BAT0012 : "The storage battery for disk drive bay <br/>bay> has failed."

When event is generated, message will have the following substitutions:

. <bay> = "1"

### 4.4.3.14 BAT0013 : "The storage battery for disk drive bay <br/>bay> is present."

When event is generated, message will have the following substitutions:

### 4.4.3.15 BAT0014 : "The storage battery for disk drive bay <bay> is absent."

When event is generated, message will have the following substitutions:

#### 4.4.3.16 BAT0015 : "The <name> battery is low."

When event is generated, message will have the following substitutions:

. <name> = "CMOS"

#### 4.4.3.17 BAT0016 : "The <name> battery is operating normally."

When event is generated, message will have the following substitutions:

#### 4.4.3.18 BAT0017 : "The <name> battery has failed."

When event is generated, message will have the following substitutions:

< cname> = "CMOS"

#### 4.4.3.19 BAT0018 : "The <name> battery is present."

When event is generated, message will have the following substitutions:

<name> = "CMOS"

#### 4.4.3.20 BAT0019 : "The <name> battery is absent."

### 4.4.4 Subcategory : Cable [Prefix : CBL]

### 4.4.4.1 CBL0003 : "Backplane <bay ID> <cable name> cable is disconnected."

When event is generated, message will have the following substitutions:

- . <cable name> = "B2"

# 4.4.5 Subcategory : Chassis Management Controller [Prefix : CMC]

### 4.4.5.1 CMC8514 : "Fabric mismatch is detected in the I/O Module <iom slot name>."

When event is generated, message will have the following substitutions:

. <iom slot name> = "Switch-1"

### 4.4.5.2 CMC8516 : "The I/O Module <iom slot name> did not boot within the expected time."

When event is generated, message will have the following substitutions:

• <iom slot name> = "Switch-1"

### 4.4.5.3 CMC8517 : "A double height server is detected in slot <slot number>, however the server is not detected in the bottom slot."

When event is generated, message will have the following substitutions:

#### 4.4.5.4 CMC8518 : "A double-height server is detected in the slot <slot number>. However, the iDRAC in the server of bottom slot <slot number> is also responding."

When event is generated, message will have the following substitutions:

- <slot number> = "9"

DELL

### 4.4.5.5 CMC8519 : "The LOM riser FRU for slot <slot number> FRU ID <fru id> is not functioning."

When event is generated, message will have the following substitutions:

- <fru id> = "2"

#### 4.4.5.6 CMC8520 : "The FRU on server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 4.4.5.7 CMC8521 : "The Mezz card 1 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 4.4.5.8 CMC8522 : "The Mezz card 2 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 4.4.5.9 CMC8523 : "The Mezz card 3 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 4.4.5.10 CMC8524 : "The Mezz card 4 FRU for the server <slot number> is not functioning."

When event is generated, message will have the following substitutions:

### 4.4.5.11 CMC8525 : "The FRU on the sleeve <slot number> is not functioning."

When event is generated, message will have the following substitutions:

## 4.4.5.12 CMC8526 : "Unable to retrieve the server-<slot number> CPU information."

When event is generated, message will have the following substitutions:

### 4.4.5.13 CMC8527 : "Unable to retrieve the server-<slot number> memory information."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 4.4.5.14 CMC8528 : "Unable to obtain or send link tuning or flex address data to server-<slot number>."

When event is generated, message will have the following substitutions:

### 4.4.5.15 CMC8534 : "Unable to turn on the server <slot number> because the power requirement request exceeds the power cap value."

When event is generated, message will have the following substitutions:

### 4.4.5.16 CMC8604 : "The FRU on storage sled <slot number> is not functioning."

When event is generated, message will have the following substitutions:

# 4.4.5.17 CMC8607 : "Unable to retrieve information about the firmware on server in slot <slot number>, because there is no communication between Chassis Management Controller (CMC) and iDRAC."

When event is generated, message will have the following substitutions:

<slot number> = "1"

### 4.4.5.18 CMC8609 : "Unable to read the Complex Programmable Logical Device (CPLD) version number of sleeve <sleeve number> because the

### CPLD version is very old, or the Chassis Management Controller (CMC) is unable to identify the version."

When event is generated, message will have the following substitutions:

. <sleeve number> = "1"

### 4.4.5.19 CMC8610 : "Unable to read because the Field Replaceable Unit (FRU) is not functioning on the sled <sled number>."

When event is generated, message will have the following substitutions:

4.4.5.20 CMC8611 : "Unable to read the Complex Programmable Logical Device (CPLD) version number of sled <sled number> because the CPLD version is very old, or the Chassis Management Controller (CMC) is unable to identify the version."

When event is generated, message will have the following substitutions:

#### 4.4.6 Subcategory : Processor [Prefix : CPU]

4.4.6.1 CPU0000 : "Internal error has occurred check for additional logs."

### 4.4.6.2 CPU0001 : "CPU <number> has a thermal trip (over-temperature) event."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.6.3 CPU0002 : "CPU <number> has failed the built-in self-test (BIST)."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.4 CPU0003 : "CPU <number> is stuck in POST."

#### 4.4.6.5 CPU0004 : "CPU <number> failed to initialize."

When event is generated, message will have the following substitutions:

```
. <number> = "1"
```

#### 4.4.6.6 CPU0005 : "CPU <number> configuration is unsupported."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.6.7 CPU0006 : "Unrecoverable CPU complex error detected on CPU <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.8 CPU0007 : "CPU <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.9 CPU0008 : "CPU <number> is disabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.10 CPU0009 : "CPU <number> terminator is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.11 CPU0010 : "CPU <number> is throttled."

When event is generated, message will have the following substitutions:

. <number> = "1"

DELL

### 4.4.6.12 CPU0011 : "Uncorrectable Machine Check Exception detected on CPU <number>."

### 4.4.6.13 CPU0012 : "Correctable Machine Check Exception detected on CPU <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.14 CPU0016 : "CPU <number> is operating correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.15 CPU0021 : "CPU <number> is configured correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.16 CPU0024 : "CPU <number> is enabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.17 CPU0025 : "CPU <number> terminator is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.18 CPU0700 : "CPU <number> initialization error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.6.19 CPU0701 : "CPU <number> protocol error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"
## 4.4.6.20 CPU0702 : "CPU bus parity error detected."

## 4.4.6.21 CPU0703 : "CPU bus initialization error detected."

## 4.4.6.22 CPU0704 : "CPU <number> machine check error detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.6.23 CPU0800 : "CPU <number> voltage regulator module is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.6.24 CPU0801 : "CPU <number> voltage regulator module failed."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.6.25 CPU0802 : "A predictive failure detected on CPU <number> voltage regulator module."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.6.26 CPU0803 : "The power input for CPU <number> voltage regulator module is lost."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.6.27 CPU0804 : "The power input for CPU <number> voltage regulator module is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.6.28 CPU0805 : "The power input for CPU <number> voltage regulator module is outside of range, but it is attached to the system."



# 4.4.6.29 CPU0806 : "CPU <number> voltage regulator module is incorrectly configure."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.6.30 CPU0816 : "CPU <number> voltage regulator module is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.6.31 CPU0817 : "CPU <number> voltage regulator module is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.6.32 CPU0819 : "The power input for CPU <number> voltage regulator module has been restored."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.6.33 CPU0822 : "CPU <number> voltage regulator module is configured correctly."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.7 Subcategory : Processor Absent [Prefix : CPUA]

## 4.4.7.1 CPUA0023 : "CPU <number> is absent"

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8 Subcategory : Fan Event [Prefix : FAN]

# 4.4.8.1 FAN0000 : "Fan <number> RPM is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.2 FAN0001 : "Fan <number> RPM is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.3 FAN0002 : "Fan <number> RPM is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.8.4 FAN0003 : "Fan <number> RPM is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.5 FAN0004 : "Fan <number> RPM is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.6 FAN0005 : "Fan <number> RPM is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.7 FAN0006 : "Fan <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "1"

4.0 SysLog Event Notification Test Messages 363

## 4.4.8.8 FAN0007 : "Fan <number> was inserted."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.9 FAN0008 : "Fan <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.10 FAN0009 : "Fan <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.11 FAN0010 : "Fan <number> is disabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.8.12 FAN0011 : "Fan <number> is enabled."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.8.13 FAN0012 : "<fan name> RPM is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

• <fan name> = "Blower"

# 4.4.8.14 FAN0013 : "<fan name> RPM is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

## 4.4.8.15 FAN0014 : "<fan name> RPM is greater than the upper warning threshold."

# 4.4.8.16 FAN0015 : "<fan name> RPM is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

# 4.4.8.17 FAN0016 : "<fan name> RPM is outside of normal operating range."

When event is generated, message will have the following substitutions:

<fan name> = "Blower"

## 4.4.8.18 FAN0017 : "<fan name> RPM is within normal operating range."

When event is generated, message will have the following substitutions:

<fan name> = "Blower"

## 4.4.9 Subcategory : Fiber Channel [Prefix : FC]

# 4.4.9.1 FC102 : "The <controller ID> port <port ID> link is not functioning either because the FC cable is not connected or the FC device is not functioning."

When event is generated, message will have the following substitutions:

# 4.4.9.2 FC103 : "The <controller ID> port <port ID> network connection is successfully started."

When event is generated, message will have the following substitutions:

## 4.4.10 Subcategory : Hardware Config [Prefix : HWC]

## 4.4.10.1 HWC1000 : "The <name> is present."



## 4.4.10.2 HWC1001 : "The <name> is absent."

When event is generated, message will have the following substitutions:

. <name> = "KVM"

- 4.4.10.3 HWC1004 : "The storage adapter is present."
- 4.4.10.4 HWC1005 : "The storage adapter is absent."
- 4.4.10.5 HWC1008 : "The backplane is present."
- 4.4.10.6 HWC1009 : "The backplane is absent."
- 4.4.10.7 HWC1012 : "The USB cable is present."
- 4.4.10.8 HWC1013 : "The USB cable is absent."
- 4.4.10.9 HWC1014 : "The mezzanine card <number> is present."

When event is generated, message will have the following substitutions:

. <number> = "B1"

### 4.4.10.10 HWC1015 : "The mezzanine card <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "B1"

### 4.4.10.11 HWC1100 : "The <name> was installed in slot <number>."

When event is generated, message will have the following substitutions:

- · <name> = "VGA"
- . <number> = "1"

## 4.4.10.12 HWC1101 : "The <name> is removed from slot <number>."

- . <name> = "VGA"
- . <number> = "1"

# 4.4.10.13 HWC1102 : "The <module name> is installed in an unsupported slot <slot number>."

When event is generated, message will have the following substitutions:

# 4.4.10.14 HWC1103 : "The <module name> installed in an unsupported slot <slot number> is removed."

When event is generated, message will have the following substitutions:

- <module name> = "Storage Sled"

# 4.4.10.15 HWC1104 : "The <module name> installed in slot <slot number> is not supported by the chassis."

When event is generated, message will have the following substitutions:

- <module name> = "Peripheral Sled"
- slot number> = " 1"

# 4.4.10.16 HWC1105 : "The <module name> is removed from the slot <number>."

When event is generated, message will have the following substitutions:

- <module name> = "Peripheral Sled"
- . <number> = " 1"

# 4.4.10.17 HWC1200 : "The sled <sled name> is inserted in slot <slot number>."

When event is generated, message will have the following substitutions:

- <sled name> = "VGA"

# 4.4.10.18 HWC1201 : "The sled <sled name> is removed from slot <slot number>."

- <sled name> = "VGA"
- slot number> = "1"

## 4.4.10.19 HWC1202 : "The <name> was installed in slot <number>."

When event is generated, message will have the following substitutions:

- <name> = "Storage sled"
- . <number> = "2"

## 4.4.10.20 HWC1203 : "The <name> is removed from slot <number>."

When event is generated, message will have the following substitutions:

- <name> = "Storage sled"
- . <number> = "2"

## 4.4.10.21 HWC2000 : "The <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

### 4.4.10.22 HWC2001 : "The <name> cable or interconnect is not connected or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

## 4.4.10.23 HWC2002 : "The storage <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

## 4.4.10.24 HWC2003 : "The storage <name> cable is not connected, or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "SAS"

## 4.4.10.25 HWC2004 : "The system board <name> cable or interconnect is connected."

When event is generated, message will have the following substitutions:

· <name> = "TFT"

# 4.4.10.26 HWC2005 : "The system board <name> cable or interconnect is not connected, or is improperly connected."

When event is generated, message will have the following substitutions:

. <name> = "TFT"

## 4.4.10.27 HWC2006 : "The <name> is not installed correctly."

When event is generated, message will have the following substitutions:

. <name> = "DRAC"

## 4.4.10.28 HWC2007 : "The <name> is installed correctly."

When event is generated, message will have the following substitutions:

· <name> = "DRAC"

# 4.4.10.29 HWC2008 : "A fabric mismatch detected for mezzanine card <number>."

When event is generated, message will have the following substitutions:

• <number> = "B1"

## 4.4.10.30 HWC2009 : "Mezzanine card <number> is installed correctly."

When event is generated, message will have the following substitutions:

• <number> = "B1"

## 4.4.10.31 HWC2010 : "The riser board cable or interconnect is connected."

4.4.10.32 HWC2011 : "The riser board cable or interconnect is not connected, or is improperly connected."

## 4.4.10.33 HWC2012 : "A fabric mismatch detected on fabric <name> with server in slot <number>."

When event is generated, message will have the following substitutions:

 $\cdot$  <name> = "B"

. <number> = "1"

DELL

# 4.4.10.34 HWC2013 : "Fabric mismatch corrected on fabric <name> with server in slot <number>."

When event is generated, message will have the following substitutions:

- . <name> = "B"
- . <number> = "1"

## 4.4.10.35 HWC2014 : "A hardware misconfiguration detected on <name>."

When event is generated, message will have the following substitutions:

· <name> = "Planer"

### 4.4.10.36 HWC2015 : "The <name> is configured correctly."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

## 4.4.10.37 HWC3000 : "The <name> is removed."

When event is generated, message will have the following substitutions:

<name> = "IOM"

### 4.4.10.38 HWC3001 : "The <name> is inserted."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

### 4.4.10.39 HWC3002 : "Server <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.10.40 HWC3003 : "Server <number> was inserted."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.10.41 HWC3004 : "IO module <number> is removed."

When event is generated, message will have the following substitutions:

<number> = "A1"

## 4.4.10.42 HWC3005 : "IO module <number> was inserted."

When event is generated, message will have the following substitutions:

. <number> = "A1"

# 4.4.10.43 HWC3006 : "Unable to QuickDeploy server in slot <slot number>."

When event is generated, message will have the following substitutions:

<slot number> = "1"

4.4.10.44 HWC4000 : "A hardware incompatibility detected between BMC/ iDRAC firmware and CPU."

4.4.10.45 HWC4001 : "A hardware incompatibility was corrected between BMC/iDRAC firmware and CPU."

4.4.10.46 HWC4002 : "A hardware incompatibility detected between BMC/ iDRAC firmware and other hardware."

4.4.10.47 HWC4003 : "A hardware incompatibility was corrected between BMC/iDRAC firmware and other hardware."

4.4.10.48 HWC4010 : "Hardware successfully updated for mezzanine card <number>."

When event is generated, message will have the following substitutions:

 $\cdot$  <number> = "C2"

# 4.4.10.49 HWC4011 : "Hardware unsuccessfully updated for mezzanine card <number>."

When event is generated, message will have the following substitutions:

. <number> = "C2"

DELL

## 4.4.10.50 HWC4014 : "Link Tuning data successfully updated."

## 4.4.10.51 HWC4015 : "Link Tuning error detected."

## 4.4.10.52 HWC4016 : "Hardware incompatibility detected with mezzanine card <number>."

When event is generated, message will have the following substitutions:

. <number> = "C2"

## 4.4.10.53 HWC4017 : "A hardware incompatibility is detected between <first component name><first component location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <first component location> = " in slot 1"
- <second component name> = " PSU"
- <second component location> = " in slot 1"

## 4.4.10.54 HWC4018 : "A hardware incompatibility was corrected between <first component name><first component location location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <first component name> = "Server"
- <first component location location> = " in slot 1"
- <second component name> = " PSU"
- <second component location> = " in slot 1"

## 4.4.10.55 HWC4019 : "Unable to control the fan speed because a sled mismatch or hardware incompatibility is detected."

## 4.4.10.56 HWC5000 : "<name> is online."

When event is generated, message will have the following substitutions:

. <name> = "DVD"

## 4.4.10.57 HWC5001 : "<name> is offline."

## 4.4.10.58 HWC5002 : "A fabric mismatch detected on <name>."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

## 4.4.10.59 HWC5003 : "<name> is operating correctly."

When event is generated, message will have the following substitutions:

. <name> = "iDRAC"

## 4.4.10.60 HWC5004 : "A link tuning failure detected on <name>."

When event is generated, message will have the following substitutions:

## 4.4.10.61 HWC5006 : "A failure is detected on <name>."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

## 4.4.10.62 HWC5030 : "IO module <number> is online."

When event is generated, message will have the following substitutions:

## 4.4.10.63 HWC5031 : "IO module <number> is offline."

When event is generated, message will have the following substitutions:

# 4.4.10.64 HWC5032 : "A fabric mismatch detected on IO module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

## 4.4.10.65 HWC5033 : "IO module <number> is operating correctly."

When event is generated, message will have the following substitutions:

. <number> = "A1"

# 4.4.10.66 HWC5034 : "A link tuning failure detected on IO module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

# 4.4.10.67 HWC5035 : "An over-temperature event detected on I/O module <number>."

When event is generated, message will have the following substitutions:

## 4.4.10.68 HWC5036 : "A failure is detected on IO module <number>."

When event is generated, message will have the following substitutions:

. <number> = "A1"

## 4.4.10.69 HWC5037 : "I/O module <number> failed to boot."

When event is generated, message will have the following substitutions:

. <number> = "A1"

## 4.4.10.70 HWC6000 : "The <name> controller is offline."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

## 4.4.10.71 HWC6001 : "The <name> controller is online."

When event is generated, message will have the following substitutions:

<name> = "LCD"

## 4.4.10.72 HWC6002 : "The <name> controller is stuck in boot mode."

When event is generated, message will have the following substitutions:

. <name> = "LCD"

## 4.4.10.73 HWC6003 : "The <name> controller is booting."

When event is generated, message will have the following substitutions:

<name> = "LCD"

## 4.4.10.74 HWC6004 : "Cannot communicate with <name> controller."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

## 4.4.10.75 HWC6005 : "Communications restored for <name> controller."

When event is generated, message will have the following substitutions:

. <name> = "IOM"

## 4.4.10.76 HWC7000 : "Server <number> health changed to a normal state."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.10.77 HWC7002 : "Server <number> health changed to a warning state from a normal state."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.10.78 HWC7004 : "Server <number> health changed to a critical state from either a normal or warning state."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.10.79 HWC7006 : "Server <number> health changed to a nonrecoverable state from a less severe state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.10.80 HWC7008 : "Server <number> health changed to a warning state from more severe state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.10.81 HWC7010 : "Server <number> health changed to a critical state from a non-recoverable state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.10.82 HWC7012 : "Server <number> health changed to a non-recoverable state."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.10.83 HWC8501 : "Unable to complete the operation because of an issue with the I/O panel cable."

### 4.4.10.84 HWC8502 : "The I/O panel cable is connected."

# 4.4.10.85 HWC8503 : "The internal communication between the Chassis Management Controller (CMC) and the <left or right> control panel is restored."

When event is generated, message will have the following substitutions:

<left or right> = "left"

# 4.4.10.86 HWC8504 : "The Chassis Management Controller (CMC) cannot communicate with the <left or right> control panel because of internal issues."

When event is generated, message will have the following substitutions:

<left or right> = "left"

4.4.10.87 HWC8506 : "Unable to synchronize control panel firmware due to internal error."

4.4.10.88 HWC8507 : "The USB device inserted in to the I/O Panel USB port is causing an issue and cannot be used."

4.4.10.89 HWC8508 : "A device causing an issue in the I/O panel USB port is removed."

4.4.10.90 HWC8509 : "One or more PCIe switch heatsinks are not properly attached."

4.4.10.91 HWC8510 : "The heat sinks of the PCIe switches are properly attached."

4.4.10.92 HWC9000 : "The status of device <name> is restored to normal."

When event is generated, message will have the following substitutions:

. <name> = "1"

# 4.4.10.93 HWC9001 : "The <name> device may not function as expected because the device health status turned to Warning."

When event is generated, message will have the following substitutions:

. <name> = "1"

# 4.4.10.94 HWC9002 : "The <name> device may not function as expected because the device health status turned to Critical."

When event is generated, message will have the following substitutions:

. <name> = "1"

# 4.4.10.95 HWC9003 : "The <name> device may not function as expected because a Watchdog failure is detected."

When event is generated, message will have the following substitutions:

. <name> = "1"

DELL

# 4.4.10.96 HWC9004 : "The BOSS-S1 device does not have a fan installed in it."

4.4.10.97 HWC9005 : "The BOSS-S1 device has a fan installed in it."

## 4.4.11 Subcategory : IO Virtualization [Prefix : IOV]

# 4.4.11.1 IOV104 : "The Chassis Management Controller (CMC) is unable to allocate <number of Watt> Watt for server-<server slot number> PCle adapters."

When event is generated, message will have the following substitutions:

# 4.4.11.2 IOV105 : "Unable to manage PCIE adapter <device name> located in <slot type> <slot number>."

When event is generated, message will have the following substitutions:

- · <device name> = "Devicename"
- · <slot type> = "1"

# 4.4.11.3 IOV106 : "Unable to power on PCIe adapter <device name> in <slot type> <slot number>."

When event is generated, message will have the following substitutions:

- · <device name> = "Devicename"
- $\cdot$  <slot type> = "1"
- <slot number> = "1"

# 4.4.11.4 IOV107 : "PCIe adapter <device dame> in slot <slot number> was removed while powered on."

- <device dame> = "Devicename"
- <slot number> = "1"

# 4.4.11.5 IOV108 : "Power fault detected on PCIE adapter <device name> in <slot type> <slot number>."

When event is generated, message will have the following substitutions:

- · <device name> = "Devicename"
- <slot type> = "1"
- <slot number> = "1"

# 4.4.11.6 IOV109 : "An error condition associated with the PCIe slot is cleared."

4.4.11.7 IOV111 : "Unable to update Chassis Infrastructure firmware."

4.4.11.8 IOV112 : "Chassis Infrastructure firmware is not valid."

## 4.4.12 Subcategory : Link Status [Prefix : LNK]

## 4.4.12.1 LNK2700 : "The <name> network link is down."

When event is generated, message will have the following substitutions:

. <name> = "CMC"

## 4.4.12.2 LNK2701 : "The <name> network link is up."

When event is generated, message will have the following substitutions:

. <name> = "CMC"

# 4.4.12.3 LNK8500 : "Unable to connect the server in slot <slot id> to the IOM in slot <IOM slot id> port <IOM port id>, because the IOM port is down."

When event is generated, message will have the following substitutions:

- <slot id> = "1"
- · <IOM slot id> = "2"
- · <IOM port id> = "3"

# 4.4.12.4 LNK8501 : "The network connection of server in slot <slot id> IOM in slot <IOM slot id> port <IOM port id> is restarted."



- <slot id> = "1"
- · <IOM slot id> = "2"
- · <IOM port id> = "3"

## 4.4.13 Subcategory : Memory [Prefix : MEM]

## 4.4.13.1 MEM0000 : "Persistent correctable memory errors detected on a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.2 MEM0001 : "Multi-bit memory errors detected on a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

## 4.4.13.3 MEM0002 : "Parity memory errors detected on a memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.4 MEM0003 : "Stuck bit memory error detected on a memory device at location <location >."

When event is generated, message will have the following substitutions:

### 4.4.13.5 MEM0004 : "Memory device at location <location> is disabled."

When event is generated, message will have the following substitutions:

# 4.4.13.6 MEM0005 : "Persistent correctable memory error limit reached for a memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.7 MEM0006 : "Memory device at location <location> is present."

When event is generated, message will have the following substitutions:

# 4.4.13.8 MEM0007 : "Unsupported memory configuration; check memory device at location <location >."

When event is generated, message will have the following substitutions:

# 4.4.13.9 MEM0008 : "Memory device at location <location> is spare memory."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.10 MEM0009 : "Memory device at location <location> is throttled."

When event is generated, message will have the following substitutions:

# 4.4.13.11 MEM0010 : "Memory device at location <location> is overheating."

When event is generated, message will have the following substitutions:

# 4.4.13.12 MEM0016 : "Memory device at location(s) <location> is operating correctly."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.13 MEM0021 : "Persistent correctable memory error limit reset for a memory device at location <location>."

When event is generated, message will have the following substitutions:

## 4.4.13.14 MEM0022 : "Memory device at location <location> is absent."

When event is generated, message will have the following substitutions:

# 4.4.13.15 MEM0024 : "Memory device at location <location> is no longer spare memory."

When event is generated, message will have the following substitutions:

## 4.4.13.16 MEM0700 : "The persistent correctable memory error rate is at normal levels for a memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.17 MEM0701 : "Correctable memory error rate exceeded for <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.18 MEM0702 : "Correctable memory error rate exceeded for <location>."

When event is generated, message will have the following substitutions:

### 4.4.13.19 MEM1002 : "Memory device at location <location> is in test."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.20 MEM1003 : "Memory device at location <location> failed to transition to in test."

When event is generated, message will have the following substitutions:

# 4.4.13.21 MEM1004 : "Memory device at location <location> is powered off."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.22 MEM1005 : "Memory device at location <location> failed to power off."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.23 MEM1006 : "Memory device at location <location> is online."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.24 MEM1007 : "Memory device at location <location> failed to transition to online."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.25 MEM1008 : "Memory device at location <location> is offline."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.26 MEM1009 : "Memory device at location <location> failed to transition to offline."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.27 MEM1010 : "Memory device at location <location> is off-duty."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.28 MEM1011 : "Memory device at location <location> is on-duty."



# 4.4.13.29 MEM1012 : "Memory device at location <location> is in a degraded state."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.30 MEM1013 : "Memory device at location <location> is in a full state."

When event is generated, message will have the following substitutions:

## 4.4.13.31 MEM1014 : "Memory device at location <location> is in a power save state."

When event is generated, message will have the following substitutions:

# 4.4.13.32 MEM1015 : "Memory device at location <location> is in a power active state."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.33 MEM1016 : "Memory device at location <location> is not installed correctly."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.34 MEM1017 : "Memory device at location <location> is installed correctly."

When event is generated, message will have the following substitutions:

## 4.4.13.35 MEM1200 : "Memory RAID is redundant."

# 4.4.13.36 MEM1201 : "Memory RAID redundancy is lost. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.37 MEM1202 : "Memory RAID redundancy is degraded. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.38 MEM1203 : "Memory is not redundant."

## 4.4.13.39 MEM1204 : "Memory mirror is redundant."

# 4.4.13.40 MEM1205 : "Memory mirror redundancy is lost. Check memory device at location(s) <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.41 MEM1206 : "Memory mirror redundancy is degraded. Check memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.42 MEM1207 : "Memory spare is redundant."

# 4.4.13.43 MEM1208 : "Memory spare redundancy is lost. Check memory device at location <location >."

When event is generated, message will have the following substitutions:

DELL

# 4.4.13.44 MEM1209 : "Memory spare redundancy is degraded. Check memory device at location <location >."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

- 4.4.13.45 MEM1212 : "Memory redundancy is lost."
- 4.4.13.46 MEM1214 : "Memory redundancy is degraded."

4.4.13.47 MEM7000 : "The memory riser mismatch was corrected."

4.4.13.48 MEM7002 : "A hardware mismatch detected for memory riser."

## 4.4.13.49 MEM8000 : "Correctable memory error logging disabled for a memory device at location <location>."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.50 MEM9020 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is about to reach the end of supported life duration."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

# 4.4.13.51 MEM9030 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is not responding and is disabled."

When event is generated, message will have the following substitutions:

## 4.4.13.52 MEM9031 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is unable to save the data during the previous system shutdown operation or power loss."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

4.4.13.53 MEM9032 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is unable to restore the data that was saved in the previous save operation."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

4.4.13.54 MEM9033 : "An unsupported Non-Volatile Dual In-line Memory Module (NVDIMM) device is of unsupported configuration and unable to operate as currently configured."

4.4.13.55 MEM9034 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is not responding."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.56 MEM9035 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> cannot be configured to save data during a power loss because of an issue in the NVDIMM."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

4.4.13.57 MEM9036 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) devices are placed in write-protect mode because the system may not provide sufficient power to save data in case of power loss."

4.4.13.58 MEM9037 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has reached the end of supported life duration and is placed in write-protect mode."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

## 4.4.13.59 MEM9038 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has lost persistency and is placed in write-protect mode."

## 4.4.13.60 MEM9050 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has regained persistency and is available for use."

When event is generated, message will have the following substitutions:

 $\cdot$  <location> = "DIMM1"

4.4.13.61 MEM9060 : "The Post-Package Repair operation is successfully completed on the Dual in-line Memory Module (DIMM) device that was failing earlier."

## 4.4.14 Subcategory : NIC Configuration [Prefix : NIC]

## 4.4.14.1 NIC100 : "The <Controller> Port <Port> network link is down."

When event is generated, message will have the following substitutions:

- <Controller> = "NIC Integrated 1"
- <Port> = "1"

# 4.4.14.2 NIC101 : "The <controller ID> Port <port ID> network link is started."

- <controller ID> = "NIC Integrated 1"
- . <port ID> = " 1"

4.4.15 Subcategory : OS Event [Prefix : OSE]

4.4.15.1 OSE0000 : "A critical stop occurred during OS load."

4.4.15.2 OSE0001 : "A runtime critical stop occurred."

4.4.15.3 OSE0002 : "An OS graceful stop occurred."

4.4.15.4 OSE0003 : "An OS graceful shut-down occurred."

4.4.16 Subcategory : PCI Device [Prefix : PCI]

4.4.16.1 PCI1302 : "A bus time-out was detected on a component at bus <br/>
<br/>
bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

• <bus> = "1"

- . <device> = "1"
- <func> = "1"

## 4.4.16.2 PCI1304 : "An I/O channel check error was detected."

# 4.4.16.3 PCI1306 : "A software error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

• <bus> = "1"

- . <device> = "1"
- <func> = "1"

## 4.4.16.4 PCI1308 : "A PCI parity error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

DELL

# 4.4.16.5 PCI1310 : "A PCI system error was detected on a component at bus <br/> bus > device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

## 4.4.16.6 PCI1314 : "A bus correctable error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

## 4.4.16.7 PCI1316 : "A bus uncorrectable error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

# 4.4.16.8 PCI1318 : "A fatal error was detected on a component at bus <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

# 4.4.16.9 PCI1320 : "A bus fatal error was detected on a component at bus <br/><br/>bus> device <device> function <func>."

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

# 4.4.16.10 PCI1322 : "Bus performance degraded for a component at bus <br/> <bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- <func> = "1"

# 4.4.16.11 PCI1342 : "A bus time-out was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.16.12 PCI1344 : "An I/O channel check error was detected."

# 4.4.16.13 PCI1346 : "A software error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.16.14 PCI1348 : "A PCI parity error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.16.15 PCI1350 : "A PCI system error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.16.16 PCI1354 : "A bus correctable error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

DELL

# 4.4.16.17 PCI1356 : "A bus uncorrectable error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.16.18 PCI1358 : "A fatal error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.16.19 PCI1360 : "A bus fatal error was detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.16.20 PCI1362 : "Bus performance degraded for a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.16.21 PCI2000 : "A fatal IO error detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- . <func> = "1"

# 4.4.16.22 PCI2001 : "The component at bus <bus> device <device> function <func> recovered from a fatal IO error."

- . <device> = "1"
- <func> = "1"

# 4.4.16.23 PCI2002 : "A fatal IO error detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.16.24 PCI2003 : "The component at slot <number> recovered from a fatal IO error."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.16.25 PCI3000 : "Device option ROM on embedded NIC failed to support Link Tuning or FlexAddress."

4.4.16.26 PCI3001 : "Device option ROM on embedded NIC was successfully updated."

# 4.4.16.27 PCI3002 : "Failed to program virtual MAC address on a component at bus <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- $\cdot$  <device> = "1"
- <func> = "1"

# 4.4.16.28 PCI3003 : "Virtual MAC address for component at bus <bus> device <device> function <func> was successfully programed."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- <func> = "1"

## 4.4.16.29 PCI3004 : "Device option ROM on mezzanine card <number> failed to support Link Tuning or FlexAddress."

When event is generated, message will have the following substitutions:

DELL

# 4.4.16.30 PCI3005 : "Device option ROM on mezzanine card <number> was successfully updated."

When event is generated, message will have the following substitutions:

. <number> = "B1"

# 4.4.16.31 PCI3006 : "Failed to get Link Tuning or FlexAddress data from iDRAC."

# 4.4.16.32 PCI3007 : "Link Tuning or FlexAddress data successfully obtained."

## 4.4.16.33 PCI3008 : "A non-fatal PCIe error detected on a component at bus <br/> bus > device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <device> = "1"
- . <func> = "1"

## 4.4.16.34 PCI3009 : "PCIe is operating normally on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- <bus> = "1"
- . <device> = "1"
- <func> = "1"

## 4.4.16.35 PCI3010 : "A non-fatal IO error detected on a component at bus <br/> <br/> bus> device <device> function <func>."

When event is generated, message will have the following substitutions:

- . <bus> = "1"
- . <device> = "1"
- <func> = "1"

# 4.4.16.36 PCI3011 : "The component at bus <bus> device <device> function <func> recovered from a non-fatal IO error."

When event is generated, message will have the following substitutions:

• <func> = "1"

## 4.4.16.37 PCI3012 : "The QuickPath Interconnect (QPI) width degraded."

## 4.4.16.38 PCI3013 : "The QuickPath Interconnect (QPI) width regained."

# 4.4.16.39 PCI3014 : "A non-fatal PCIe error detected on a component at slot <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.16.40 PCI3015 : "The component at slot <number> recovered from a non-fatal PCIe error."

When event is generated, message will have the following substitutions:

. <number> = "1"

4.4.16.41 PCI3016 : "Device option ROM on mezzanine card failed to support Link Tuning or FlexAddress."

4.4.16.42 PCI3017 : "Device option ROM on mezzanine card was successfully updated."

4.4.16.43 PCI3018 : "New PCI card(s) have been detected in the system. Fan speeds may have changed to add additional cooling to the cards."

4.4.16.44 PCI3019 : "A low-severity issue is detected in the SSD bay <br/>bay id>, Slot <slot id>."

When event is generated, message will have the following substitutions:

- <slot id> = "1"

## 4.4.16.45 PCI3030 : "New PCI card(s) have been detected in the system. Fan speeds may have changed to add additional cooling to the cards."

4.4.16.46 PCI5004 : "A power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>."



# 4.4.16.47 PCI5005 : "An auxiliary power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>."

When event is generated, message will have the following substitutions:

## 4.4.16.48 PCI5006 : "The power-related issue of the PCIe adapter in slot<slot number> is resolved."

When event is generated, message will have the following substitutions:

# 4.4.16.49 PCI5007 : "The auxiliary power-related issue of the PCIe adapter in slot <slot number> is resolved."

When event is generated, message will have the following substitutions:

## 4.4.16.50 PCI5008 : "The Chassis Management Controller (CMC) is unable to communicate with the PCIe switch board."

## 4.4.17 Subcategory : Physical Disk [Prefix : PDR]

## 4.4.17.1 PDR1000 : "Drive <number> is installed in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

. <number> = "1"

. <bay> = "0"

# 4.4.17.2 PDR1001 : "Fault detected on drive <number> in disk drive bay <br/><br/>bay>."

When event is generated, message will have the following substitutions:

. <number> = "1"

. <bay> = "0"

## 4.4.17.3 PDR1002 : "A predictive failure detected on drive <number> in disk drive bay <bay>."
- . <number> = "1"
- . <bay> = "0"

#### 4.4.17.4 PDR1016 : "Drive <number> is removed from disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

# 4.4.17.5 PDR1017 : "Drive <number> in disk drive bay <bay> is operating normally."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- <bay> = "0"

### 4.4.17.6 PDR1024 : "Drive mismatch detected for drive <number> in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

### 4.4.17.7 PDR1025 : "Drive mismatch corrected for drive <number> in disk drive bay <bay>."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <bay> = "0"

#### 4.4.17.8 PDR1100 : "Drive <number> is installed."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.17.9 PDR1101 : "Fault detected on drive <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

DELL

#### 4.4.17.10 PDR1102 : "A predictive failure detected on drive <number>."

#### 4.4.17.11 PDR1116 : "Drive <number> is removed."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.17.12 PDR1117 : "Drive <number> is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.18 Subcategory : System Performance Event [Prefix : PFM]

## 4.4.18.1 PFM0002 : "The value of <sensor name> is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

<sensor name> = "CPU Usage"

#### 4.4.19 Subcategory : BIOS POST [Prefix : PST]

- 4.4.19.1 PST0128 : "No memory is detected."
- 4.4.19.2 PST0129 : "Memory is detected, but is not configurable."
- 4.4.19.3 PST0130 : "Memory is configured, but not usable."
- 4.4.19.4 PST0132 : "CMOS failed."
- 4.4.19.5 PST0133 : "DMA controller failed."
- 4.4.19.6 PST0134 : "Interrupt controller failed."
- 4.4.19.7 PST0135 : "Timer refresh failed."
- 4.4.19.8 PST0136 : "Programmable interval timer error."
- 4.4.19.9 PST0137 : "Parity error."
- 4.4.19.10 PST0138 : "SuperIO failed."
- 4.4.19.11 PST0139 : "Keyboard controller failed."
- 4.4.19.12 PST0140 : "System management interrupt initialization failed."
- 4.4.19.13 PST0141 : "QuickPath Interconnect (QPI) fatal error."
- 4.4.19.14 PST0142 : "MRC fatal error."
- 4.4.19.15 PST0143 : "Intel Trusted Execution Technology (TXT) fatal error."
- 4.4.19.16 PST0192 : "Shut-down test failed."
- 4.4.19.17 PST0193 : "BIOS POST memory test failed."
- 4.4.19.18 PST0194 : "Remote access controller configuration failed." 4.0 SysLog Event Notification Test Messages 39 4.4.19.19 PST0195 : "CPU configuration failed."
- 1 10 20 DET0106 : "Incorrect memory configuration"

#### 4.4.20.2 PSU0001 : "Power supply <number> failed."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.3 PSU0002 : "A predictive failure detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.4 PSU0003 : "The power input for power supply <number> is lost."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.5 PSU0004 : "The power input for power supply <number> is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.6 PSU0005 : "The power input for power supply <number> is outside of the allowable range, but it is attached to the system."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.7 PSU0006 : "Power supply <number> is incorrectly configured."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.8 PSU0017 : "Power supply <number> is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.9 PSU0019 : "The input power for power supply <number> has been restored."

#### 4.4.20.10 PSU0022 : "Power supply <number> is correctly configured."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.11 PSU0031 : "Cannot communicate with power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.20.12 PSU0032 : "The temperature for power supply <number> is in a warning range."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.13 PSU0033 : "The temperature for power supply <number> is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.14 PSU0034 : "An under voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.15 PSU0035 : "An over voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.16 PSU0036 : "An over current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.17 PSU0037 : "Fan failure detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.18 PSU0038 : "Power supply <number> fan is operating normally."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.19 PSU0039 : "An under current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.20 PSU0040 : "An output under voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.20.21 PSU0041 : "An output over voltage fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

### 4.4.20.22 PSU0042 : "An output over current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.23 PSU0043 : "An output under current fault detected on power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.20.24 PSU0044 : "Cannot obtain status information from power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.20.25 PSU0045 : "Power supply <number> status information successfully obtained."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.26 PSU0046 : "Communication has been restored to power supply <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.27 PSU0076 : "A power supply wattage mismatch is detected; power supply <number> is rated for <value> watts."

When event is generated, message will have the following substitutions:

- . <number> = "1"

### 4.4.20.28 PSU0077 : "Power supply <number> vendor type mismatch detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.29 PSU0078 : "Power supply <number> revision mismatch detected."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.30 PSU0080 : "Power supply <number> voltage rating does not match the systems requirements."

### 4.4.20.31 PSU0090 : "Power supply <number> wattage mismatch corrected."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.20.32 PSU0091 : "Power supply unit <PSU number> rating exceeds the system power distribution limits."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

#### 4.4.20.33 PSU0092 : "Power supply unit <PSU number> rating is appropriate for the system power distribution limits."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

#### 4.4.21 Subcategory : PSU Absent [Prefix : PSUA]

#### 4.4.21.1 PSUA0016 : "Power supply <number> is absent."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.22 Subcategory : Power Usage [Prefix : PWR]

4.4.22.1 PWR1000 : "The system performance restored."

4.4.22.2 PWR1001 : "The system performance degraded."

4.4.22.3 PWR1002 : "The system performance degraded because of thermal protection."

4.4.22.4 PWR1003 : "The system performance degraded because cooling capacity has changed."

4.4.22.5 PWR1004 : "The system performance degraded because power capacity has changed."

4.4.22.6 PWR1005 : "The system performance degraded because of userdefined power capacity has changed."

4.4.22.7 PWR1006 : "The system halted because system power exceeds capacity."

4.4.22.8 PWR1007 : "The system performance degraded because power exceeds capacity."

4.4.22.9 PWR1008 : "The system performance degraded because power draw exceeds the power threshold."

4.4.22.10 PWR1009 : "System power capacity is restored."

4.4.22.11 PWR2000 : "The system powered up."

4.4.22.12 PWR2001 : "The system hard reset."

4.4.22.13 PWR2002 : "The system warm reset."

4.4.22.14 PWR2005 : "The OS run-time software initiated a hard reset."

4.4.22.15 PWR2006 : "The OS run-time software initiated a warm reset." 4.0 SysLog Event Notification Test Messages 405

4.4.22.16 PWR2200 : "The system is in the ON state."

### disabled because of a configuration mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

# 4.4.22.18 PWR2266 : "The power supply unit (PSU) <PSU number> is disabled because of a generation mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

• <PSU number> = "1"

# 4.4.22.19 PWR2267 : "The power supply unit (PSU) <PSU number> is disabled because of a capacity mismatch and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

Version of the second secon

# 4.4.22.20 PWR2268 : "The power supply unit (PSU) <PSU number> is disabled because of a mismatch in the input voltage and therefore the PSU is not supported on the server."

When event is generated, message will have the following substitutions:

Version of the second secon

4.4.22.21 PWR2269 : "The properties of Power Cap setting mode is changed."

4.4.22.22 PWR2273 : "The power required by server is within the power supplied by the power supply units (PSUs)."

4.4.22.23 PWR8557 : "The System Input Power Cap is too low to be enforced using the current Power Supply configuration."

4.4.22.24 PWR8558 : "The System Input Power Cap is being enforced with the current Power Supply configuration."

4.4.22.25 PWR8680 : "The <iDRAC/BIOS> firmware in the server slot <slot number> does not support the storage sled."

When event is generated, message will have the following substitutions:

- · <iDRAC/BIOS> = "iDRAC"
- <slot number> = "1"

# 4.4.22.26 PWR8681 : "The <iDRAC/BIOS> firmware in the server slot <slot number> does not support additional PCIe slots."

When event is generated, message will have the following substitutions:

- · <iDRAC/BIOS> = "iDRAC"

#### 4.4.22.27 PWR8682 : "Unable to turn on the storage sled controller <controller number> in slot <slot number> because the <module name> module is not functioning."

When event is generated, message will have the following substitutions:

- <slot number> = "2"
- <module name> = "Expander"

4.4.22.28 PWR8686 : "The Chassis Management Controller (CMC) is unable to turn on the storage sleds associated with server in slot <slot number> because the iDRAC firmware version in the server does not support the chassis storage module."

#### 4.4.22.29 PWR8687 : "The Chassis Management Controller (CMC) is unable to turn on the storage sled controller installed on server in slot <server slot> because the server does not have a Mezzanine card."

When event is generated, message will have the following substitutions:

· <server slot> = "1"

#### 4.4.23 Subcategory : RAC Event [Prefix : RAC]

4.4.23.1 RAC0560 : "RAC Software Initialization Error"

4.4.23.2 RAC0561 : "iDRAC to CMC communication link is not functioning for agent free monitoring of chassis PCIe slots."

4.4.23.3 RAC0562 : "iDRAC-CMC communication restored for agent free monitoring of chassis PCIe slots."

4.4.24 Subcategory : Redundancy [Prefix : RDU]

4.4.24.1 RDU0001 : "The fans are redundant."

4.4.24.2 RDU0002 : "Fan redundancy is lost."

4.4.24.3 RDU0003 : "Fan redundancy is degraded."

4.4.24.4 RDU0004 : "The fans are not redundant."

4.4.24.5 RDU0005 : "The fans are not redundant. Insufficient resources to maintain normal operations."

4.4.24.6 RDU0011 : "The power supplies are redundant."

4.4.24.7 RDU0012 : "Power supply redundancy is lost."

4.4.24.8 RDU0013 : "Power supply redundancy is degraded."

4.4.24.9 RDU0014 : "The power supplies are not redundant."

4.4.24.10 RDU0015 : "The power supplies are not redundant. Insufficient resources to maintain normal operations."

4.4.24.11 RDU0016 : "The storage voltage is redundant."

4.4.24.12 RDU0017 : "The storage power redundancy is no longer 4.0 SysLog Event Notification Test Messages 409

#### available."

4.4.24.13 RDU0018 : "The storage power redundancy is degraded."

4.4.24.14 RDU0019 : "The storage voltage is not redundant."

4.4.24.15 RDU0030 : "The storage voltage of <device name> is redundant."

When event is generated, message will have the following substitutions:

 $\cdot$  <device name> = "12v"

#### 4.4.24.16 RDU0031 : "The <name> voltage redundancy is lost."

When event is generated, message will have the following substitutions:

. <name> = "12v"

#### 4.4.24.17 RDU0032 : "The <name> voltage redundancy is degraded."

When event is generated, message will have the following substitutions:

. <name> = "12v"

#### 4.4.24.18 RDU0033 : "The <name> voltage is not redundant."

When event is generated, message will have the following substitutions:

. <name> = "12v"

#### 4.4.25 Subcategory : IDSDM Media [Prefix : RFL]

#### 4.4.25.1 RFL2000 : "Internal Dual SD Module <name> is present."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 4.4.25.2 RFL2002 : "Internal Dual SD Module <name> is offline."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 4.4.25.3 RFL2003 : "Internal Dual SD Module <name> is online."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 4.4.25.4 RFL2004 : "Failure detected on Internal Dual SD Module <name>."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

### 4.4.25.5 RFL2005 : "Internal Dual SD Module <name> is operating normally."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 4.4.25.6 RFL2006 : "Internal Dual SD Module <name> is write protected."

When event is generated, message will have the following substitutions:

<name> = "SD1"

#### 4.4.25.7 RFL2007 : "Internal Dual SD Module <name> is writable."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 4.4.25.8 RFL2008 : "Internal Dual SD Module <name> is disabled."

When event is generated, message will have the following substitutions:

. <name> = "SD1"

#### 4.4.25.9 RFL2009 : "Internal Dual SD Module <name> is enabled."

When event is generated, message will have the following substitutions:

. <name> = "SD2"

#### 4.4.26 Subcategory : IDSDM Absent [Prefix : RFLA]

#### 4.4.26.1 RFLA2001 : "Internal Dual SD Module <name> is absent."



. <name> = "SD2"

4.4.27 Subcategory : IDSDM Redundancy [Prefix : RRDU]

4.4.27.1 RRDU0001 : "Internal Dual SD Module is redundant."

4.4.27.2 RRDU0002 : "Internal Dual SD Module redundancy is lost."

4.4.27.3 RRDU0003 : "Internal Dual SD Module redundancy is degraded."

4.4.27.4 RRDU0004 : "Internal Dual SD Module is not redundant."

4.4.27.5 RRDU0006 : "Internal Dual SD Module rebuild initiated."

4.4.27.6 RRDU0007 : "Internal Dual SD Module rebuild completed successfully."

4.4.27.7 RRDU0008 : "Internal Dual SD Module rebuild did not complete successfully."

4.4.28 Subcategory : Security Event [Prefix : SEC]

4.4.28.1 SEC0000 : "The chassis is open."

4.4.28.2 SEC0016 : "The chassis is closed."

4.4.28.3 SEC0031 : "The chassis is open while the power is on."

4.4.28.4 SEC0032 : "The chassis is closed while the power is on."

4.4.28.5 SEC0033 : "The chassis is open while the power is off."

4.4.28.6 SEC0034 : "The chassis is closed while the power is off."

4.4.28.7 SEC0040 : "A critical stop occurred during OS load."

4.4.28.8 SEC0041 : "BIOS is unable to configure the Intel Trusted Execution Technology (TXT)."

(4:4).28.9 SEC0042 : "Processor detected a problem while performing and 413

Intel Trusted Execution Technology (TXT) operation."

4.4.28.10 SEC0043 : "BIOS Authenticated Code Module detected an Intel Trusted Execution Technology (TXT) problem during POST."

4.4.28.11 SEC0044 : "SINIT Authenticated Code Module detected an Intel Trusted Execution Technology (TXT) problem at boot."

4.4.28.12 SEC0045 : "Intel Trusted Execution Technology (TXT) is operating correctly."

4.4.29 Subcategory : System Event Log [Prefix : SEL]

4.4.29.1 SEL0002 : "Logging is disabled."

4.4.29.2 SEL0003 : "Logging is enabled."

4.4.29.3 SEL0004 : "Log cleared."

4.4.29.4 SEL0006 : "All event logging is disabled."

4.4.29.5 SEL0007 : "All event logging is enabled."

4.4.29.6 SEL0008 : "System event log (SEL) is full."

4.4.29.7 SEL0010 : "System event log (SEL) is almost full."

4.4.29.8 SEL0012 : "Could not create or initialize the system event log."

4.4.29.9 SEL0013 : "The system event log was created or initialized successfully."

4.4.29.10 SEL1204 : "An unknown system hardware failure detected."

4.4.29.11 SEL1205 : "The unknown system hardware failure was corrected."

4.4.29.12 SEL1500 : "The chassis management controller (CMC) is

#### redundant."

4.4.29.13 SEL1501 : "Chassis management controller (CMC) redundancy is lost."

4.4.29.14 SEL1502 : "Chassis management controller (CMC) redundancy is degraded."

4.4.29.15 SEL1503 : "The chassis management controller (CMC) is not redundant."

4.4.29.16 SEL1504 : "The chassis management controller (CMC) is not redundant. Insufficient resources to maintain normal operations."

### 4.4.29.17 SEL1506 : "Lost communications with Chassis Group Member <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.29.18 SEL1507 : "Communications restored with Chassis Group Member <number>."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.29.19 SEL1508 : "Member <number> could not join the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.29.20 SEL1509 : "Member <number> has joined the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.29.21 SEL1510 : "An authentication error detected for Chassis Group Member <number>."



#### 4.4.29.22 SEL1511 : "Member <number> removed from the Chassis Group."

When event is generated, message will have the following substitutions:

. <number> = "1"

4.4.29.23 SEL1512 : "The Chassis Controller is not responding or is not inserted properly. The status of Chassis Controller is critical."

4.4.29.24 SEL1513 : "The status of Chassis Controller has changed from critical to OK."

4.4.29.25 SEL1514 : "The sensor indicating the inlet temperature is not responding either because the sensor is damaged, or because of damaged circuit lines for I2C bus, or a faulty sensor state."

4.4.29.26 SEL1515 : "An I2C sensor is not responding either because it is damaged, or because of damaged circuit lines for I2C bus, or a faulty sensor state."

#### 4.4.30 Subcategory : Software Config [Prefix : SWC]

4.4.30.1 SWC4004 : "A firmware or software incompatibility detected between iDRAC in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.30.2 SWC4005 : "A firmware or software incompatibility was corrected between iDRAC in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.30.3 SWC4006 : "A firmware or software incompatibility detected between system BIOS in slot <number> and CMC."

When event is generated, message will have the following substitutions:

# 4.4.30.4 SWC4007 : "A firmware or software incompatibility was corrected between system BIOS in slot <number> and CMC."

When event is generated, message will have the following substitutions:

. <number> = "1"

## 4.4.30.5 SWC4008 : "A firmware or software incompatibility detected between CMC 1 and CMC 2."

4.4.30.6 SWC4009 : "A firmware or software incompatibility was corrected between CMC 1 and CMC 2."

# 4.4.30.7 SWC4012 : "A firmware or software incompatibility is detected between <first component name><first component location> and <second component name><second component location>."

When event is generated, message will have the following substitutions:

- <second component name> = " BIOS"
- <second component location> = " in slot 1"

# 4.4.30.8 SWC4013 : "A firmware or software incompatibility was corrected between <first component name><first component location> and <second component name><second component location>."

- <second component name> = " BIOS"
- <second component location> = " in slot 1"

#### 4.4.31 Subcategory : System Info [Prefix : SYS]

4.4.31.1 SYS198 : "Unable to communicate with internal iDRAC memory."

#### 4.4.32 Subcategory : Temperature [Prefix : TMP]

#### 4.4.32.1 TMP0100 : "The system board <name> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

#### 4.4.32.2 TMP0101 : "The system board <name> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "Inlet"

## 4.4.32.3 TMP0102 : "The system board <name> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

### 4.4.32.4 TMP0103 : "The system board <name> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

### 4.4.32.5 TMP0104 : "The system board <name> temperature is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "Inlet"

#### 4.4.32.6 TMP0105 : "The system board <name> temperature is within range."

## 4.4.32.7 TMP0106 : "The memory module <number> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.32.8 TMP0107 : "The memory module <number> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.32.9 TMP0108 : "The memory module <number> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.32.10 TMP0109 : "The memory module <number> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.32.11 TMP0110 : "The memory module <number> temperature is outside of range."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.32.12 TMP0111 : "The memory module <number> temperature is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.32.13 TMP0112 : "The <name> temperature is less than the lower warning threshold."

## 4.4.32.14 TMP0113 : "The <name> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "Planer"

### 4.4.32.15 TMP0114 : "The <name> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "Planer"

#### 4.4.32.16 TMP0115 : "The <name> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

<name> = "Planer"

#### 4.4.32.17 TMP0116 : "The <name> temperature is outside of range."

When event is generated, message will have the following substitutions:

· <name> = "Planer"

#### 4.4.32.18 TMP0117 : "The <name> temperature is within range."

When event is generated, message will have the following substitutions:

. <name> = "Planer"

4.4.32.19 TMP0118 : "The system inlet temperature is less than the lower warning threshold."

4.4.32.20 TMP0119 : "The system inlet temperature is less than the lower critical threshold."

4.4.32.21 TMP0120 : "The system inlet temperature is greater than the upper warning threshold."

4.4.32.22 TMP0121 : "The system inlet temperature is greater than the upper critical threshold."

4.4.32.23 TMP0122 : "The system inlet temperature is outside of range."

4.4.32.24 TMP0123 : "The system inlet temperature is within range."

4.4.32.25 TMP0124 : "Disk drive bay temperature is less than the lower warning threshold."

4.4.32.26 TMP0125 : "Disk drive bay temperature is less than the lower critical threshold."

4.4.32.27 TMP0126 : "Disk drive bay temperature is greater than the upper warning threshold."

4.4.32.28 TMP0127 : "Disk drive bay temperature is greater than the upper critical threshold."

4.4.32.29 TMP0128 : "Disk drive bay temperature is outside of range."

4.4.32.30 TMP0129 : "Disk drive bay temperature is within range."

4.4.32.31 TMP0130 : "The control panel temperature is less than the lower warning threshold."

4.4.32.32 TMP0131 : "The control panel temperature is less than the lower critical threshold."

42 32.33 TMP0132 : "The control panel temperature is greater sthangthe 421

upper warning threshold."

4.4.32.34 TMP0133 : "The control panel temperature is greater than the upper critical threshold."

4.4.32.35 TMP0134 : "The control panel temperature is outside of range."

4.4.32.36 TMP0135 : "The control panel temperature is within range."

4.4.32.37 TMP0136 : "The system is automatically turned off because of insufficient cooling."

4.4.32.38 TMP0137 : "The system cooling is working normally."

4.4.32.39 TMP0200 : "CPU <number> temperature is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

### 4.4.32.40 TMP0201 : "CPU <number> temperature is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

### 4.4.32.41 TMP0202 : "CPU <number> temperature is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

# 4.4.32.42 TMP0203 : "CPU <number> temperature is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.32.43 TMP0204 : "CPU <number> temperature is outside of range."

#### 4.4.32.44 TMP0205 : "CPU <number> temperature is within range."

When event is generated, message will have the following substitutions:

. <number> = "1"

#### 4.4.33 Subcategory : Temperature Statistics [Prefix : TMPS]

4.4.33.1 TMPS0100 : "Inlet temperature is above warning level for extended duration."

4.4.33.2 TMPS0101 : "Inlet temperature is above critical level for extended duration."

4.4.33.3 TMPS0102 : "Inlet temperature is above warning level for extended duration."

4.4.33.4 TMPS0103 : "Inlet temperature is above critical level for extended duration."

#### 4.4.34 Subcategory : vFlash Event [Prefix : VFL]

#### 4.4.34.1 VFL1001 : "Removable Flash Media <name> is present."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 4.4.34.2 VFL1008 : "Failure detected on Removable Flash Media <name>."

When event is generated, message will have the following substitutions:

· <name> = "vFlash"

# 4.4.34.3 VFL1009 : "Removable Flash Media <name> is operating normally."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

DELL

#### 4.4.34.4 VFL1010 : "Removable Flash Media <name> was activated."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 4.4.34.5 VFL1011 : "Removable Flash Media <name> was deactivated."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 4.4.34.6 VFL1014 : "Removable Flash Media <name> is write protected."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 4.4.34.7 VFL1015 : "Removable Flash Media <name> is writable."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 4.4.35 Subcategory : vFlash Absent [Prefix : VFLA]

#### 4.4.35.1 VFLA1000 : "Removable Flash Media <name> is absent."

When event is generated, message will have the following substitutions:

. <name> = "vFlash"

#### 4.4.36 Subcategory : Voltage [Prefix : VLT]

#### 4.4.36.1 VLT0104 : "Processor module <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "3.2"

#### 4.4.36.2 VLT0105 : "Processor module <name> voltage is within range."

When event is generated, message will have the following substitutions:

<name> = "3.2"

# 4.4.36.3 VLT0200 : "The system board <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 4.4.36.4 VLT0201 : "The system board <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 4.4.36.5 VLT0202 : "The system board <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 4.4.36.6 VLT0203 : "The system board <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

 $\cdot$  <name> = "VRM"

# 4.4.36.7 VLT0204 : "The system board <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 4.4.36.8 VLT0205 : "The system board <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "12"

#### 4.4.36.9 VLT0206 : "The memory module <number> <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

- $\cdot$  <number> = "A"
- . <name> = "VRM"

4.0 SysLog Event Notification Test Messages 425

### 4.4.36.10 VLT0207 : "The memory module <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- . <name> = "VRM"

### 4.4.36.11 VLT0208 : "The memory module <number> <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- . <name> = "VRM"

#### 4.4.36.12 VLT0209 : "The memory module <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- <name> = "VRM"

#### 4.4.36.13 VLT0210 : "The memory module <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- . <name> = "VRM"

#### 4.4.36.14 VLT0211 : "The memory module <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

- . <number> = "A"
- . <name> = "VRM"

#### 4.4.36.15 VLT0212 : "The disk drive bay <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

## 4.4.36.16 VLT0213 : "The disk drive bay <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

# 4.4.36.17 VLT0214 : "The disk drive bay <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

· <name> = "VRM"

### 4.4.36.18 VLT0215 : "The disk drive bay <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

# 4.4.36.19 VLT0216 : "The disk drive bay <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 4.4.36.20 VLT0217 : "The disk drive bay <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 4.4.36.21 VLT0218 : "The <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 4.4.36.22 VLT0219 : "The <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

DELL

# 4.4.36.23 VLT0220 : "The <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

### 4.4.36.24 VLT0221 : "The <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 4.4.36.25 VLT0222 : "The <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "VRM"

#### 4.4.36.26 VLT0223 : "The <name> voltage is within range."

When event is generated, message will have the following substitutions:

<name> = "VRM"

#### 4.4.36.27 VLT0224 : "The memory module <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

### 4.4.36.28 VLT0225 : "The memory module <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

### 4.4.36.29 VLT0226 : "The memory module <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

### 4.4.36.30 VLT0227 : "The memory module <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

. <name> = "A"

## 4.4.36.31 VLT0228 : "The memory module <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

. <name> = "A"

### 4.4.36.32 VLT0229 : "The memory module <name> voltage is within range."

When event is generated, message will have the following substitutions:

. <name> = "A"

#### 4.4.36.33 VLT0230 : "The mezzanine card <number> <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

## 4.4.36.34 VLT0231 : "The mezzanine card <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- <number> = "B1"
- . <name> = "VRM"

### 4.4.36.35 VLT0232 : "The mezzanine card <number> <name> voltage is greater than the upper warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

DELL

### 4.4.36.36 VLT0233 : "The mezzanine card <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

### 4.4.36.37 VLT0234 : "The mezzanine card <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- . <name> = "VRM"

# 4.4.36.38 VLT0235 : "The mezzanine card <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

- . <number> = "B1"
- <name> = "VRM"

### 4.4.36.39 VLT0300 : "CPU <number> <name> voltage is less than the lower warning threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

#### 4.4.36.40 VLT0301 : "CPU <number> <name> voltage is less than the lower critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

### 4.4.36.41 VLT0302 : "CPU <number> <name> voltage is greater than the upper warning threshold."

- . <number> = "1"
- <name> = "VRM"

# 4.4.36.42 VLT0303 : "CPU <number> <name> voltage is greater than the upper critical threshold."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

#### 4.4.36.43 VLT0304 : "CPU <number> <name> voltage is outside of range."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- . <name> = "VRM"

#### 4.4.36.44 VLT0305 : "CPU <number> <name> voltage is within range."

When event is generated, message will have the following substitutions:

- . <number> = "1"
- <name> = "VRM"

DELL

#### 4.5 Category: Updates

- 4.5.1 Subcategory : Firmware Download [Prefix : RED]
- 4.5.1.1 RED000 : "Unrecognized error code encountered."
- 4.5.1.2 RED001 : "Job completed successfully."
- 4.5.1.3 RED002 : "Package successfully downloaded."
- 4.5.1.4 RED003 : "Downloading package."
- 4.5.1.5 RED004 : "Unable to complete the job because of an internal error."
- 4.5.1.6 RED005 : "The specified URI is invalid."
- 4.5.1.7 RED006 : "Unable to download Update Package."
- 4.5.1.8 RED007 : "Unable to verify Update Package signature."
- 4.5.1.9 RED008 : "Unable to extract payloads from Update Package."
- 4.5.1.10 RED009 : "Lifecycle Controller is not present."
- 4.5.1.11 RED010 : "The target specified is invalid."
- 4.5.1.12 RED011 : "USC version is not compatible."
- 4.5.1.13 RED012 : "Unable to create Lifecycle Controller update task."
- 4.5.1.14 RED013 : "The DUP specified is not compatible with the target device."
- 4.5.1.15 RED014 : "Job for this device is already present."
- 4.5.1.16 RED015 : "The download protocol specified is not supported."
- 4.5.1.17 RED016 : "Mount of remote share failed."
- 4.5 1.18 RED021 .: "The component InstanceID specified is not present or being the second sec
#### the system."

4.5.1.19 RED022 : "Version compatibility check was not successful."

4.5.1.20 RED024 : "The specified job starts when Lifecycle Controller is available."

### 4.5.1.21 RED025 : "<device name> firmware updated successfully. Current version:<firmware version>"

When event is generated, message will have the following substitutions:

- · <firmware version> = "3.10"

4.5.1.22 RED026 : "An internal error occurred while processing updates."

4.5.1.23 RED027 : "Insufficient space to upload the requested file."

- 4.5.1.24 RED028 : "Update files were not selected."
- 4.5.1.25 RED029 : "A reboot is pending."
- 4.5.1.26 RED030 : "Reboot is complete."

4.5.1.27 RED031 : "Approaching maximum size limit allowed for storing firmware images."

4.5.1.28 RED032 : "Reached maximum size limit allowed for storing firmware images. Deleted all rollback firmware images."

4.5.1.29 RED033 : "Unable to reboot system."

### 4.5.1.30 RED035 : "<component> Rollback successful. Earlier version:<firmware version>, Current version:<firmware version>."

When event is generated, message will have the following substitutions:

 $\cdot$  <component> = "IDRAC"

DELL

• <firmware version> = "9.10.10"

#### 4.5.1.31 RED036 : "Firmware updates are available : <component name>"

When event is generated, message will have the following substitutions:

• <component name> = "Firmware updates available : Enterprise UEFI Diagnostics, 4225A2, 4225A4, OS Drivers Pack, 7.2.0.7, A00, BIOS."

## 4.5.1.32 RED037 : "All components firmware match with the specified remote repository."

#### 4.5.1.33 RED038 : "A recurring task of type <task type> is added."

When event is generated, message will have the following substitutions:

### 4.5.1.34 RED039 : "Settings for a recurring operation of type <operation label> were cleared."

When event is generated, message will have the following substitutions:

• <operation label> = "AutoBackup"

### 4.5.1.35 RED040 : "A recurring operation of type <operation type> created a job <job ID>."

When event is generated, message will have the following substitutions:

- <operation type> = "AutoBackup"
- <job ID> = "JID\_123456789012"

### 4.5.1.36 RED041 : "A recurring operation of type <operation type> was not created because the required license is not available."

When event is generated, message will have the following substitutions:

<operation type> = "AutoBackup"

### 4.5.1.37 RED042 : "A recurring operation of type <operation type> was not created because the necessary user access rights are not available."

When event is generated, message will have the following substitutions:

<operation type> = "AutoBackup"

### 4.5.1.38 RED043 : "A recurring operation of type <operation type> was not created because the operation type is disabled."

When event is generated, message will have the following substitutions:

• <operation type> = "AutoBackup"

### 4.5.1.39 RED044 : "A recurring operation of type <operation type> was unable to create a job because the required license is not available now."

When event is generated, message will have the following substitutions:

• <operation type> = "AutoBackup"

#### 4.5.1.40 RED045 : "A recurring operation of type <operation task> was unable to create a job because the necessary user access rights are not available now."

When event is generated, message will have the following substitutions:

• <operation task> = "AutoBackup"

### 4.5.1.41 RED046 : "A recurring operation of type <operation type> was unable to create a job because the task type is now disabled."

When event is generated, message will have the following substitutions:

• <operation type> = "AutoBackup"

## 4.5.1.42 RED047 : "A recurring operation <operation type> was not created because the operation is already configured."

When event is generated, message will have the following substitutions:

• <operation type> = "AutoBackup"

### 4.5.1.43 RED048 : "The job <job ID> was deleted because the recurring operation <operation type> was cleared."

When event is generated, message will have the following substitutions:

· <job ID> = "JID\_123456789012"

### 4.5.1.44 RED049 : "The job <job ID> is deleted because the recurring operation <operation type> is currently not enabled."

When event is generated, message will have the following substitutions:



• <operation type> = "AutoBackup"

#### 4.5.1.45 RED052 : "Processing of update packages is starting."

#### 4.5.1.46 RED053 : "Processing of update packages has completed."

#### 4.5.1.47 RED054 : "An update job <job ID> was created."

When event is generated, message will have the following substitutions:

· <job ID> = "JID\_123456789012"

#### 4.5.1.48 RED055 : "A reboot job <job ID> was created."

When event is generated, message will have the following substitutions:

· <job ID> = "JID\_123456789012"

#### 4.5.1.49 RED058 : "A repository update job <job ID> was created."

When event is generated, message will have the following substitutions:

. <job ID> = "JID\_123456789012"

#### 4.5.1.50 RED061 : "The job is successfully scheduled."

# 4.5.1.51 RED063 : "The iDRAC firmware updated successfully. Previous version: <available firmware version>, Current version: <installed firmware version>"

When event is generated, message will have the following substitutions:

- <available firmware version> = "2.10.10.10"
- · <installed firmware version> = "2.20.20.20"

4.5.1.52 RED064 : "The scheduled Update from Repository job completed successfully. Applicable updates were not found."

4.5.1.53 RED065 : "The recurring scheduled update from repository job completed and updates were applied. A system restart was not required."

4.5.1.54 RED066 : "The recurring scheduled update from repository job completed and updates are staged to run after the next system restart."

4.5.1.55 RED067 : "The recurring scheduled update from repository job completed and updates were staged. The system will now restart to apply the staged updates."

4.5.1.56 RED068 : "Unable to successfully complete <job ID>: <job result message>"

When event is generated, message will have the following substitutions:

. <job ID> = "JID\_123456789012"

• <job result message> = "The specified repository catalog is not supported."

### 4.5.1.57 RED083 : "The Chassis firmware is not updated because the version currently on the Chassis is same as the requested version."

4.5.1.58 RED089 : "A Chassis firmware update operation is in progress."

4.5.1.59 RED090 : "A Chassis firmware update operation is no longer in progress."

# 4.5.1.60 RED092 : "The <component name> firmware updated successfully. Previous version: <available firmware version>, Current version: <installed firmware version>"

When event is generated, message will have the following substitutions:

D&LL

- <available firmware version> = "2.10.10.10"
- · <installed firmware version> = "2.20.20.20"

## 4.5.1.61 RED094 : "Updating firmware for <component name> from version <available firmware version> to version <installed firmware version>."

When event is generated, message will have the following substitutions:

- <component name> = "iDRAC"
- <available firmware version> = "2.10.10.10"
- · <installed firmware version> = "2.20.20.20"

4.5.1.62 RED096 : "The maximum iDRAC storage space allocated for storing firmware image files is reached. The firmware image of the earlier version that was stored for a rollback operation is now deleted."

#### 4.5.2 Subcategory : Software Change [Prefix : SWU]

4.5.2.1 SWU8561 : "Unable to downgrade the firmware version because the current hardware configuration does not support rollback to the earlier firmware version."

4.5.2.2 SWU8562 : "The firmware image file uploaded to Chassis Management Controller (CMC) does not match the current hardware."

4.5.2.3 SWU8662 : "Unable to update the I/O Aggregator (IOA) firmware because of an issue in the network communication session between CMC and IOA in slot <slot ID>."

When event is generated, message will have the following substitutions:

<slot ID> = "2"

### **5.0 Redfish Event Notification Messages**

#### Topics:

- Category: Audit
- Category: Configuration
- Category: Storage
- Category: System Health
- Category: Updates

### 5.1 Category: Audit

5.1.1 Subcategory : Chassis Management Controller [Prefix : CMC]

5.1.1.1 CMC8507 : "Extended Storage for primary CMC and secondary CMC synchronization is complete."

### 5.1.1.2 CMC8509 : "Unable to activate the extended storage feature on the secondary CMC: <cmc number>. The feature will be deactivated."

The following substitution variables will have values depending on the context of the event:

• 1. <cmc number>"

# 5.1.1.3 CMC8510 : "Unable to activate the extended storage feature on the secondary CMC: <cmc number>. The feature will return to single CMC mode."

The following substitution variables will have values depending on the context of the event:

• 1. <cmc number>"

DELL

5.1.1.4 CMC8511 : "Unable to synchronize the data in the Extended Storage removable flash media in the primary and secondary CMCs."

5.1.1.5 CMC8512 : "The Extended Storage feature activation timed out. The feature is not active."

5.1.1.6 CMC8513 : "The Extended Storage feature activation on the secondary CMC timed out. The feature is being returned to single CMC mode."

5.1.1.7 CMC8535 : "Unable to turn on High Power Management for the server <slot number>"

The following substitution variables will have values depending on the context of the event:

1. <slot number>"

#### 5.1.1.8 CMC8546 : "Issues identified with Process <process name>. Failover condition detected."

The following substitution variables will have values depending on the context of the event:

1. <process name>"

# 5.1.1.9 CMC8571 : "The coin cell battery in the primary CMC is not working."

#### 5.1.1.10 CMC8572 : "The coin cell battery in CMC <slot id> is not working."

The following substitution variables will have values depending on the context of the event:

1. <slot id>"

5.1.1.11 CMC8575 : "The RAC SSL Certificate is changed."

5.1.1.12 CMC8576 : "The RAC CA Certificate is changed."

5.1.1.13 CMC8577 : "The Remote Access Controller (RAC) Kerberos Keytab is changed."

5.1.1.14 CMC8578 : "The Remote Access Controller (RAC) SSL Certificate and key is changed."

5.1.1.15 CMC8579 : "Unable to upload the security certificate because of an Unexpected Event issue in the Remote Access Controller (RAC)."

### 5.1.2 Subcategory : Debug [Prefix : FSD]

5.1.2.1 FSD000 : "Debug authorized by customer; debugcaps: <DebugCaps>, was authorized by: <iDRAC User>, at <unblock time> for the period: <start time> to <end time>."

The following substitution variables will have values depending on the context of the event:

- 1. <DebugCaps>"
- · 2. <iDRAC User>"
- 3. <unblock time>"
- 4. <start time>"
- 5. <end time>"

# 5.1.2.2 FSD001 : "Debug authorized by Dell; debugcaps: <DebugCaps>, at <grant time>, was authorized by Dell employee: <Dell employee>, for the time period <start time> to <end time>."

The following substitution variables will have values depending on the context of the event:

- 1. <DebugCaps>"
- · 2. <grant time>"
- · 3. <Dell employee>"
- 4. <start time>"
- 5. <end time>"

# 5.1.2.3 FSD002 : "Debug authorization failed; for debugCaps: <DebugCaps>, authorized by iDRAC user: <IDRAC user>, and Dell

### employee: <Dell employee>, at <unblock time> for the period: <start time> to <end time>."

The following substitution variables will have values depending on the context of the event:

- 1. <DebugCaps>"
- · 2. <IDRAC user>"
- 3. <Dell employee>"
- 4. <unblock time>"
- 5. <start time>"
- 6. <end time>"

### 5.1.3 Subcategory : Licensing [Prefix : LIC]

### 5.1.3.1 LIC201 : "License <entitlement ID> assigned to device <device name> expires in <number of days> days."

The following substitution variables will have values depending on the context of the event:

- 1. <entitlement ID>"
- · 2. <device name>"
- 3. <number of days>"

#### 5.1.3.2 LIC203 : "The license <entitlement ID> has encountered an error."

The following substitution variables will have values depending on the context of the event:

• 1. <entitlement ID>"

### 5.1.3.3 LIC206 : "EULA warning: Importing license <entitlement ID> may violate the End-User License Agreement."

The following substitution variables will have values depending on the context of the event:

1. <entitlement ID>"

### 5.1.3.4 LIC207 : "License <entitlement ID> on device <device name> has expired."

The following substitution variables will have values depending on the context of the event:

- · 1. <entitlement ID>"
- · 2. <device name>"

# 5.1.3.5 LIC208 : "License <entitlement ID> imported to device <device name> successfully."

The following substitution variables will have values depending on the context of the event:

- 1. <entitlement ID>"
- · 2. <device name>"

# 5.1.3.6 LIC209 : "License <entitlement ID> exported from device <device name> successfully."

The following substitution variables will have values depending on the context of the event:

- 1. <entitlement ID>"
- · 2. <device name>"

## 5.1.3.7 LIC210 : "License <entitlement ID> deleted from device <device name> successfully."

The following substitution variables will have values depending on the context of the event:

- 1. <entitlement ID>"
- 2. <device name>"

#### 5.1.3.8 LIC211 : "The iDRAC feature set has changed."

#### 5.1.3.9 LIC212 : "The CMC features are changed."

### 5.1.3.10 LIC213 : "A system error was detected during License Manager startup."

### 5.1.4 Subcategory : PCI Device [Prefix : PCI]

# 5.1.4.1 PCI5009 : "The PCIe adapter in the PCIe slot<PCIe slot number> was removed from the slot while the server<server slot number> was turned-on."

The following substitution variables will have values depending on the context of the event:

• 1. <PCle slot number>"

DELL

2. <server slot number>"

### 5.1.5 Subcategory : Power Supply [Prefix : PSU]

### 5.1.5.1 PSU8505 : "Unable to set the chassis redundancy policy to AC Redundancy."

### 5.1.5.2 PSU8511 : "Successfully updated the firmware for the PSU in slot <slot number>."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.1.5.3 PSU8512 : "Unable to update the firmware for the PSU in slot <slot number>. Error=0x<error number> (<error string>)"

The following substitution variables will have values depending on the context of the event:

- 1. <slot number>"
- · 2. <error number>"
- · 3. <error string>"

### 5.1.5.4 PSU8513 : "Unable to complete the PSU slot <number> firmware update. Error=0x<error number>."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <error number>"

#### 5.1.5.5 PSU8518 : "Unable to access the PSU <slot number> FRU data."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.1.5.6 PSU8521 : "PSU <slotnum> exceeded upper temperature threshold and has been turned off."

The following substitution variables will have values depending on the context of the event:

• 1. <slotnum>"

### 5.1.6 Subcategory : Power Usage [Prefix : PWR]

### 5.1.6.1 PWR8507 : "System Input Power Cap changed from <previous power value>W AC to <new power value>W AC."

The following substitution variables will have values depending on the context of the event:

- 1. <previous power value>"
- 2. <new power value>"

### 5.1.6.2 PWR8552 : "Chassis Management Controller is unable to turn on <component name>-<component id> because of insufficient power."

The following substitution variables will have values depending on the context of the event:

- 1. < component name>"
- 2. <component id>"

#### 5.1.6.3 PWR8555 : "Chassis Management Controller unable to turn on <component name>-<slot number> at priority <priority number> because of insufficient power. Minimum power needed is <min power> AC Watt, but only <available power> AC Watt is available."

The following substitution variables will have values depending on the context of the event:

- 1. <component name>"
- · 2. <slot number>"
- 3. <priority number>"
- 4. <min power>"
- 5. <available power>"

### 5.1.6.4 PWR8556 : "Server <slot number> was shutdown due to insufficient power."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

## 5.1.6.5 PWR8560 : "Unable to turn on I/O Module <IOM slot name> due to insufficient chassis power."

The following substitution variables will have values depending on the context of the event:

1. <IOM slot name>"

### 5.1.6.6 PWR8561 : "Unable to power on server <server number> because of iDRAC communication issue."

The following substitution variables will have values depending on the context of the event:

• 1. <server number>"

### 5.1.6.7 PWR8563 : "Unable to turn on Server <server number> due to I/O fabric inconsistency."

The following substitution variables will have values depending on the context of the event:

• 1. <server number>"

### 5.1.6.8 PWR8564 : "Unable to turn on the Server <slot number> because the power request exceeded the System Input Power Cap."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.1.6.9 PWR8565 : "Unable to turn off the Server <server number> due to iDRAC communication issue."

The following substitution variables will have values depending on the context of the event:

• 1. <server number>"

# 5.1.6.10 PWR8573 : "The Chassis Management Controller is unable to communicate to the iDRAC, when trying to turn off the server <server id>."

The following substitution variables will have values depending on the context of the event:

• 1. <server id>"

# 5.1.6.11 PWR8574 : "The Chassis Management Controller is unable to communicate to the iDRAC, when trying to hard reset the server <slot number>."

The following substitution variables will have values depending on the context of the event:

1. <slot number>"

# 5.1.6.12 PWR8578 : "Chassis Management Controller is unable to turn on the iDRAC on server-<slot number> because power required is less than available power."

The following substitution variables will have values depending on the context of the event:

1. <slot number>"

## 5.1.6.13 PWR8591 : "Servers are turned off to allocate power to the newly inserted hard disk drives."

# 5.1.6.14 PWR8597 : "The Power Supply Unit (PSU) <PSU number> is turned off because it is not supported by the Chassis."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU number>"

# 5.1.6.15 PWR8598 : "The Power Supply Unit (PSU) <PSU number> is turned off because it is not compatible with the other PSUs used in the Chassis."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU number>"

#### 5.1.6.16 PWR8655 : "Chassis Management Controller (CMC) is unable to turn on the component <component name>-<slot number> because of insufficient power. The minimum required power is <min power> AC Watts, but only <available power> AC Watts is available."

The following substitution variables will have values depending on the context of the event:

- 1. < component name>"
- · 2. <slot number>"
- · 3. <min power>"
- · 4. <available power>"

# 5.1.6.17 PWR8656 : "Chassis Management Controller (CMC) is unable to turn on the component <component name>-<slot number> because of insufficient power."

The following substitution variables will have values depending on the context of the event:

• 1. < component name>"

#### 5.1.6.18 PWR8663 : "Unable to turn on the server <server number> because of an inconsistency between the I/O module and mezzanine card."

The following substitution variables will have values depending on the context of the event:

• 1. <server number>"

### 5.1.6.19 PWR8669 : "Unable to turn on the server <server number> because of an inconsistency between the chassis and server components."

The following substitution variables will have values depending on the context of the event:

1. <server number>"

# 5.1.6.20 PWR8670 : "Unable to turn on server<slot ID> because the required power <power level> AC Watts exceeds the subsystem Connector Limit <power limit> AC Watts for IO modules, Blowers and Servers."

The following substitution variables will have values depending on the context of the event:

- 1. <slot ID>"
- · 2. <power level>"
- 3. <power limit>"

#### 5.1.6.21 PWR8671 : "The Chassis Management Controller is unable to set the Enhanced Cooling Mode because the requested power <requested power level> AC Watts exceeds the subsystem power limit <power limit> AC Watts for IO Modules, Blowers and Servers."

The following substitution variables will have values depending on the context of the event:

- 1. <requested power level>"
- · 2. <power limit>"

### 5.1.7 Subcategory : Support Assist [Prefix : SRV]

### 5.1.7.1 SRV001 : "The SupportAssist Collection operation is started by <interface name>."

The following substitution variables will have values depending on the context of the event:

1. <interface name>"

# 5.1.7.2 SRV002 : "The SupportAssist <Operation Name> operation is started."

The following substitution variables will have values depending on the context of the event:

• 1. < Operation Name>"

DØLL

5.1.7.3 SRV006 : "The SupportAssist System information collection operation is started."

5.1.7.4 SRV007 : "The SupportAssist System information collection operation is successfully completed."

5.1.7.5 SRV008 : "The SupportAssist System information collection operation is cancelled."

5.1.7.6 SRV010 : "The SupportAssist Storage Controller Logs collection operation is started."

5.1.7.7 SRV011 : "The SupportAssist Storage Controller Logs collection operation is completed."

5.1.7.8 SRV012 : "The SupportAssist Storage Controller Logs collection operation is cancelled."

5.1.7.9 SRV021 : "The SupportAssist OS and Application data collection operation is started."

5.1.7.10 SRV022 : "The SupportAssist OS and Application data collection operation is successfully completed."

5.1.7.11 SRV023 : "The SupportAssist OS and Application data collection operation is cancelled."

5.1.7.12 SRV050 : "The Debug Logs collection operation is started for SupportAssist."

5.1.7.13 SRV051 : "The Debug Logs collection operation is successfully completed for SupportAssist."

5.1.7.14 SRV052 : "The Debug Logs collection operation for SupportAssist is cancelled by user."

5.1.7.15 SRV057 : "The SupportAssist Registration operation is started."

5.1.7.16 SRV061: "The SupportAssist Chassis controller logs collection

operation is started."

5.1.7.17 SRV062 : "The SupportAssist Chassis Controller logs collection operation is successfully completed ."

5.1.7.18 SRV063 : "The SupportAssist Chassis Controller logs collection operation is cancelled."

5.1.7.19 SRV064 : "The SupportAssist Enclosure Controller logs collection operation is started."

5.1.7.20 SRV065 : "The SupportAssist Enclosure Controller logs collection operation is successfully completed ."

5.1.7.21 SRV066 : "The SupportAssist Enclosure Controller logs collection operation is cancelled."

5.1.7.22 SRV071 : "The SupportAssist operation to update registration information is started."

5.1.7.23 SRV072 : "The partition containing the iDRAC Service Module (iSM) installer is detached from Host operating system (OS)."

5.1.7.24 SRV074 : "The SupportAssist End User License Agreement (EULA) is accepted by iDRAC user <user name> via iDRAC interface <interface name>."

The following substitution variables will have values depending on the context of the event:

• 1. <user name>"

D&LL

· 2. <interface name>"

5.1.7.25 SRV075 : "The partition containing the iDRAC Service Module (iSM) installer is presented to Host operating system (OS)."

5.1.7.26 SRV076 : "The SupportAssist operation to present iDRAC Service Module (iSM) installer to Host operating system (OS) is waiting on a user action to install iSM service in Host OS."

5.1.7.27 SRV078 : "The SupportAssist operation to present iDRAC Service Module (iSM) installer to Host operating system (OS) completed but iSM was not installed on the Host OS."

5.1.7.28 SRV079 : "The SupportAssist feature is enabled on iDRAC."

5.1.7.29 SRV080 : "The SupportAssist feature is disabled on iDRAC."

#### 5.1.7.30 SRV087 : "The <Job Name> Job <Job Id> is successfully created."

The following substitution variables will have values depending on the context of the event:

- 1. <Job Name>"
- 2. <Job ld>"

### 5.1.7.31 SRV088 : "The SupportAssist <Operation Name> operation is successfully completed."

The following substitution variables will have values depending on the context of the event:

• 1. < Operation Name>"

## 5.1.7.32 SRV089 : "The SupportAssist <Operation Name> operation is partially completed."

The following substitution variables will have values depending on the context of the event:

• 1. < Operation Name>"

## 5.1.7.33 SRV090 : "The SupportAssist <Operation name> operation did not complete successfully."

The following substitution variables will have values depending on the context of the event:

• 1. < Operation name>"

# 5.1.7.34 SRV092 : "The SupportAssist Collection <file name> is successfully exported to the <default or specified> network share."

The following substitution variables will have values depending on the context of the event:

- 1. <file name>"
- · 2. <default or specified>"

## 5.1.7.35 SRV093 : "The SupportAssist Collection <file name> is successfully uploaded to SupportAssist server."

The following substitution variables will have values depending on the context of the event:

• 1. <file name>"

### 5.1.7.36 SRV096 : "The SupportAssist Collection <file name> is successfully created."

The following substitution variables will have values depending on the context of the event:

• 1. <file name>"

5.1.7.37 SRV097 : "The SupportAssist Collection is successfully exported to the local path."

5.1.7.38 SRV098 : "The SupportAssist Collection operation is completed and the export operation is started."

### 5.1.7.39 SRV100 : "The iDRAC event < Message ID> is forwarded to the SupportAssist back-end server."

The following substitution variables will have values depending on the context of the event:

1. <Message ID>"

### 5.1.7.40 SRV101 : "The SupportAssist Collection data is requested for iDRAC event < Message ID>."

The following substitution variables will have values depending on the context of the event:

1. <Message ID>"

5.1.7.41 SRV103 : "Not presenting the iDRAC Service Module (iSM) installer to Host because the iSM installer version on iDRAC is same as iSM service version running in Host OS."

5.1.7.42 SRV106 : "The Debug Logs are excluded from the SupportAssist collection because the Collection data is being filtered for personally identifiable information."

5.1.7.43 SRV107 : "The Storage Logs are excluded from the SupportAssist collection because the Collection data is being filtered for personally identifiable information."

#### 5.1.7.44 SRV108 : "The SupportAssist job <Job Id> is completed."

The following substitution variables will have values depending on the context of the event:

• 1. <Job ld>"

### 5.1.7.45 SRV116 : "Unable to start the operation because the parameter <parameter name> entered is not supported by the iDRAC 9.0 and later versions."

The following substitution variables will have values depending on the context of the event:

• 1. <parameter name>"

## 5.1.7.46 SRV117 : "Unable to execute the scheduled SupportAssist Collection job as another SupportAssist job is running on the server."

5.1.7.47 SRV124 : "The cached operating system (OS) and application data available in the iDRAC is included in the SupportAssist collection."

5.1.7.48 SRV133 : "The SupportAssist Collection operation is started by the server Operating System (OS) user <UserName>."

The following substitution variables will have values depending on the context of the event:

• 1. <UserName>"

#### 5.1.7.49 SRV134 : "The SupportAssist Collection requested by the server Operating System (OS) user <UserName> is successfully created at <FilePath>."

The following substitution variables will have values depending on the context of the event:

- 1. <UserName>"
- · 2. <FilePath>"

5.1.7.50 SRV135 : "The filtered Operating System (OS) and Application Data collection is not supported on the OS installed on the server."

5.1.7.51 SRV136 : "The native Operating System (OS) Application Data Collection does not support collection of requested OS Data."

5.1.8 Subcategory : System Info [Prefix : SYS]

5.1.8.1 SYS1000 : "System is turning on."

5.1.8.2 SYS1001 : "System is turning off."

5.1.8.3 SYS1002 : "System is performing a power cycle."

5.1.8.4 SYS1003 : "System CPU Resetting."

5.1.8.5 SYS279 : "iDRAC is not ready for processing ISM requests. Retry after 1 minute."

### 5.1.9 Subcategory : User Tracking [Prefix : USR]

5.1.9.1 USR0030 : "Successfully logged in using <username>, from <IP address> and <interface name>."

The following substitution variables will have values depending on the context of the event:

• 1. <username>"

· 2. <IP address>"

DELL

• 3. <interface name>"

# 5.1.9.2 USR0031 : "Unable to log in for <username> from <IP address> using <interface name>."

The following substitution variables will have values depending on the context of the event:

- · 1. <username>"
- · 2. <IP address>"
- · 3. <interface name>"

### 5.1.9.3 USR0032 : "The session for <username> from <IP address> using <interface name> is logged off."

The following substitution variables will have values depending on the context of the event:

- 1. <username>"
- · 2. <IP address>"
- 3. <interface name>"

### 5.1.9.4 USR0033 : "Login for <username> from <IP address> using <interface name> was incomplete."

The following substitution variables will have values depending on the context of the event:

- 1. <username>"
- · 2. <IP address>"
- · 3. <interface name>"

### 5.1.9.5 USR0034 : "Login attempt alert for <username> from <IP Address> using <interface name>, IP will be blocked for <seconds> seconds."

The following substitution variables will have values depending on the context of the event:

- 1. <username>"
- · 2. <IP Address>"
- · 3. <interface name>"
- · 4. <seconds>"

5.1.9.6 USR0170 : "The Front Panel USB port is attached to iDRAC Disk.USBFront.<port number>. Device details: Device class <class>, Vendor ID <vendor ID>, Manufacturer Name <manufacture name>, Product ID <product ID>, Product Name <product name>, Serial Number <serial>."

The following substitution variables will have values depending on the context of the event:

- 1. <port number>"
- · 2. <class>"

- · 3. <vendor ID>"
- 4. <manufacture name>"
- 5. <product ID>"
- 6. <product name>"
- 7. <serial>"

# 5.1.9.7 USR0171 : "The Front Panel USB port is detached from the iDRAC Disk.USBFront.port number>. Device Details: Device Class <class>, Vendor ID <vendor ID>, Product ID product ID>."</code>

The following substitution variables will have values depending on the context of the event:

- 1. <port number>"
- 2. <class>"
- · 3. <vendor ID>"
- 4. <product ID>"

### 5.1.9.8 USR0172 : "The Front Panel USB Management Port Mode setting is changed from <previous mode> to <new mode>."

The following substitution variables will have values depending on the context of the event:

- 1. <previous mode>"
- · 2. <new mode>"

## 5.1.9.9 USR0173 : "The Front Panel USB port switched automatically from iDRAC to operating system."

# 5.1.9.10 USR0174 : "The Front Panel USB device is removed from the operating system."

# 5.1.9.11 USR0175 : "The Front Panel USB Port Over Current is detected for the attached device on Disk.USBFront.<port number>."

The following substitution variables will have values depending on the context of the event:

• 1. <port number>"

## 5.1.9.12 USR0176 : "The Front Panel USB Port Over Current condition is cleared for the attached device Disk.USBFront.<port number>."

The following substitution variables will have values depending on the context of the event:

• 1. <port number>"

5.1.9.13 USR0177 : "Configuring the Front Panel USB Port Mode to Automatic because the iDRAC is unable to retrieve the Front Panel USB Port Mode."

### 5.2 Category: Configuration

# 5.2.1 Subcategory : Chassis Management Controller [Prefix : CMC]

### 5.2.1.1 CMC8700 : "The I/O Module in slot <slot number> is configured in secure IOM mode."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.2.2 Subcategory : Auto-Discovery [Prefix : DIS]

5.2.2.1 DIS100 : "The AutoConfig operation is successful."

5.2.2.2 DIS101 : "The execution of AutoConfig operation is started."

5.2.2.3 DIS102 : "Unable to start the AutoConfig import operation, because the AutoConfig import file is not available."

5.2.2.4 DIS103 : "The AutoConfig operation is unable to access a network share folder, because incorrect credentials are specified in the DHCP scope option field where the VendorID=iDRAC."

5.2.2.5 DIS104 : "The AutoConfig operation is unable to access the network share folder, because an invalid filename is specified in the DHCP scope option field where the VendorID=iDRAC."

5.2.2.6 DIS105 : "The AutoConfig operation is unable to access the network share folder, because an invalid sharetype value is specified in the DHCP scope option field where the VendorID=iDRAC."

5.2.2.7 DIS106 : "Unable to start the AutoConfig file import operation, because an invalid shutdown type was specified in the DHCP scope option field where the VendorID=iDRAC."

5.2.2.8 DIS107 : "Unable to start the AutoConfig file import operation, because an invalid AutoConfig time-to-wait value is specified in the DHCP scope option field where the VendorID=iDRAC."

5.2.2.9 DIS108 : "Unable to start the AutoConfig import operation, because Lifecycle Controller is not enabled."

5.2.2.10 DIS109 : "Unable to start the AutoConfig file import operation, because an invalid End Host Power State value is specified in the DHCP scope option field where the VendorID=iDRAC."

5.2.2.11 DIS110 : "The AutoConfig operation is completed."

5.2.12 DIS111 : "The AutoConfig operation is started!"Event Notification Messages | 459

5.2.2.13 DIS112 : "The AutoConfig operation is using the <file name> file."

# 5.2.2.14 DIS113 : "Unable to start the AutoConfig file import operation, because no options were specified in the DHCP scope option field where the VendorID=iDRAC."

5.2.2.15 DIS114 : "The AutoConfig feature timed out while waiting for Remote Services to be ready."

### 5.2.2.16 DIS119 : "The AutoConfig operation Timeout value is set to <num> minutes."

The following substitution variables will have values depending on the context of the event:

• 1. <num>"

### 5.2.2.17 DIS120 : "Unable to start the AutoConfig import operation because the AutoConfig import file, <file name>, is not available."

The following substitution variables will have values depending on the context of the event:

• 1. <file name>"

### 5.2.3 Subcategory : IO Identity Optimization [Prefix : IOID]

### 5.2.3.1 IOID110 : "The virtual address of <controller> Port <port> is configured."

The following substitution variables will have values depending on the context of the event:

- 1. <controller>"
- 2. <port>"

## 5.2.3.2 IOID111 : "Unable to configure the virtual address of <controller> Port <port>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller>"
- 2. <port>"

### 5.2.3.3 IOID112 : "The initiator properties of the <Controller> Port <Port> are successfully configured."

The following substitution variables will have values depending on the context of the event:

- 1. <Controller>"
- 2. <Port>"

#### 5.2.3.4 IOID113 : "Unable to configure the initiator properties of <Controller> Port <Port>."

The following substitution variables will have values depending on the context of the event:

- 1. <Controller>"
- 2. <Port>"

### 5.2.3.5 IOID114 : "The target settings properties of the <controller> Port <port> are successfully configured."

The following substitution variables will have values depending on the context of the event:

- 1. <controller>"
- · 2. <port>"

# 5.2.3.6 IOID115 : "Unable to configure the target settings properties of the <controller> Port <port>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller>"
- 2. <port>"

## 5.2.3.7 IOID116 : "Applying I/O Identity settings based on current persistence policy settings."

5.2.3.8 IOID117 : "The operation to apply I/O Identity settings based on current persistence policy settings has completed successfully."

5.2.3.9 IOID118 : "Unable to configure some or all I/O Identity settings based on current persistence policy settings."

5.2.3.10 IOID119 : "FlexAddress is enabled on all NIC and FC HBA devices."

### 5.2.4 Subcategory : IO Virtualization [Prefix : IOV]

### 5.2.4.1 IOV101 : "A PCIe adapter <device name> is inserted in <slot type> <slot number>."

The following substitution variables will have values depending on the context of the event:



- 1. <device name>"
- · 2. <slot type>"
- 3. <slot number>"

## 5.2.4.2 IOV102 : "A PCIe adapter <device name> is removed from <slot type> <slot number>."

The following substitution variables will have values depending on the context of the event:

- 1. <device name>"
- 2. <slot type>"
- 3. <slot number>"

## 5.2.4.3 IOV103 : "A PCIe adapter <device name> in <slot type><slot number> is replaced by PCIe adapter <device name>."

The following substitution variables will have values depending on the context of the event:

- 1. <device name>"
- · 2. <slot type>"
- 3. <slot number>"
- · 4. <device name>"

### 5.2.5 Subcategory : IP Address [Prefix : IPA]

# 5.2.5.1 IPA0100 : "The iDRAC IP Address changed from <old IP Address> to <new IP Address>."

The following substitution variables will have values depending on the context of the event:

- 1. <old IP Address>"
- · 2. <new IP Address>"

### 5.2.6 Subcategory : Job Control [Prefix : JCP]

## 5.2.6.1 JCP027 : "The (installation or configuration) job <job ID> is successfully created on iDRAC."

The following substitution variables will have values depending on the context of the event:

• 1. <job ID>"

#### 5.2.6.2 JCP028 : "Job status updated."

### 5.2.7 Subcategory : PCI Device [Prefix : PCI]

## 5.2.7.1 PCI5001 : "A PCIe card carrier containing a PCIe card is inserted in PCIe slot<slot number> ."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

## 5.2.7.2 PCI5002 : "A PCIe card carrier that does not contain a PCIe card is inserted in the PCIe slot<slot number> ."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.2.7.3 PCI5003 : "A PCIe card carrier is removed from the PCIe slot<slot number> ."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.2.8 Subcategory : Security Event [Prefix : SEC]

5.2.8.1 SEC0700 : "Warning: Default username and password are currently in use. It is strongly recommended to change the default password before configuring the property. Else, it causes a severe security risk for iDRAC."

### 5.2.9 Subcategory : Support Assist [Prefix : SRV]

### 5.2.9.1 SRV058 : "Unable to proceed with the SupportAssist registration operation because registration information: <Field Name> is invalid."

The following substitution variables will have values depending on the context of the event:

• 1. <Field Name>"

DELL

5.2.9.2 SRV085 : "Unable to start the operation because the SupportAssist End User License Agreement (EULA) is not accepted."

5.2.9.3 SRV086 : "Unable to start the operation because the SupportAssist feature is disabled on iDRAC."

5.2.9.4 SRV104 : "The SupportAssist End User License Agreement (EULA) is not accepted."

5.2.9.5 SRV111 : "The iDRAC is already registered with SupportAssist."

5.2.9.6 SRV112 : "The Auto Collection schedule is not set for SupportAssist."

5.2.9.7 SRV121 : "Unable to complete the operation because the Operating System-Baseboard Management Controller Pass Through (OS-BMC PT) required for communication with iDRAC Service Module (iSM) is not enabled."

5.2.9.8 SRV122 : "Unable to start the operation because the SupportAssist Host OS Proxy Configured setting is not enabled in iDRAC."

5.2.9.9 SRV123 : "Unable to start the operation because the SupportAssist schedule based auto collections are not enabled in iDRAC."

5.2.9.10 SRV128 : "Unable to start the SupportAssist operation because system is in Lockdown mode."

### 5.2.10 Subcategory : Software Config [Prefix : SWC]

### 5.2.10.1 SWC8623 : "Unable to save the I/O Aggregator configuration in <slot id>."

The following substitution variables will have values depending on the context of the event:

• 1. <slot id>"

## 5.2.10.2 SWC8624 : "The network communication session between CMC and I/O Aggregator cannot be started on <slot id>."

The following substitution variables will have values depending on the context of the event:

• 1. <slot id>"

### 5.3 Category: Storage

### 5.3.1 Subcategory : Battery Event [Prefix : BAT]

#### 5.3.1.1 BAT1000 : "Battery on <controller name> is missing."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.1.2 BAT1001 : "Battery on <controller name> was replaced."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.3 BAT1002 : "The battery on <controller name> learn cycle has started."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

## 5.3.1.4 BAT1003 : "The battery on <controller name> learn cycle has completed."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

# 5.3.1.5 BAT1004 : "The battery on <controller name> learn cycle has timed out."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

DELL

# 5.3.1.6 BAT1008 : "Write policy on <controller name> was changed to Write Through."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.7 BAT1009 : "Write policy on <controller name> was changed to Write Back."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.8 BAT1020 : "The <Controller name> battery is executing a learn cycle."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

### 5.3.1.9 BAT1021 : "The charge level for the battery on <controller name> is below the normal threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.10 BAT1023 : "The charge level for the battery on <controller name> is within normal limits."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.1.11 BAT1024 : "Errors detected with battery on <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.12 BAT1025 : "<controller name> is unable to recover cached data from the Battery Backup Unit (BBU)."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

## 5.3.1.13 BAT1026 : "The <controller name> has recovered cached data from the Battery Backup Unit (BBU)."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.14 BAT1027 : "The battery on <controller name> completed a charge cycle."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.1.15 BAT1028 : "The battery voltage on <controller name> is low."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.16 BAT1029 : "The battery on <controller name> can no longer recharge."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.17 BAT1031 : "The battery temperature on <controller name> is above normal."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.1.18 BAT1032 : "The battery temperature on <controller name> is normal."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.1.19 BAT1033 : "The battery on <controller name> was removed."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

## 5.3.1.20 BAT1034 : "The battery properties for <controller name> have changed."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

## 5.3.1.21 BAT1037 : "A battery is detected on the Controller <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.2 Subcategory : Cable [Prefix : CBL]

### 5.3.2.1 CBL0008 : "One or more cables are missing from <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3 Subcategory : Storage Controller [Prefix : CTL]

#### 5.3.3.1 CTL1 : "Controller event log: <message>"

The following substitution variables will have values depending on the context of the event:

1. <message>"

#### 5.3.3.2 CTL10 : "<Controller name> alarm has been tested."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

### 5.3.3.3 CTL100 : "The Patrol Read operation was stopped and did not complete for <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.4 CTL101 : "The <controller name> is disabled."

The following substitution variables will have values depending on the context of the event:
#### 5.3.3.5 CTL102 : "The <controller name> is enabled."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3.6 CTL103 : "The Check Consistency Mode value of <controller name> is set to <attribute value>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller name>"
- 2. <attribute value>"

### 5.3.3.7 CTL104 : "The Enhanced Auto Import Foreign Config value of <controller name> is set to <attribute value>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller name>"
- · 2. <attribute value>"

### 5.3.3.8 CTL105 : "The Patrol Read attribute <attribute name> is set to <attribute value> for <controller name>."

The following substitution variables will have values depending on the context of the event:

- 1. <attribute name>"
- · 2. <attribute value>"
- 3. <controller name>"

### 5.3.3.9 CTL106 : "The Background Initialization Rate of <controller name> is set to <initialization rate value>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller name>"
- 2. <initialization rate value>"

## 5.3.3.10 CTL107 : "The Rebuild Rate of <controller name> is set to <rebuild rate value>."

- 1. <controller name>"
- 2. <rebuild rate value>"

### 5.3.3.11 CTL109 : "The Reconstruct Rate of <controller name > is set to <reconstruct rate value>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller name >"
- · 2. <reconstruct rate value>"

#### 5.3.3.12 CTL11 : "Configuration on <controller name> was reset."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3.13 CTL110 : "The Patrol Read Rate of <controller name > is set to <patrol read rate>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller name >"
- · 2. <patrol read rate>"

### 5.3.3.14 CTL111 : "The CopyBack Mode of <controller name> is set to <copyback mode>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller name>"
- 2. <copyback mode>"

### 5.3.3.15 CTL112 : "The Loadbalance Mode of <controller name> is set to <loadbalance mode>."

The following substitution variables will have values depending on the context of the event:

- 1. <controller name>"
- · 2. <loadbalance mode>"

### 5.3.3.16 CTL12 : "An invalid SAS configuration has been detected on <Controller name>. Details: <error message>"

The following substitution variables will have values depending on the context of the event:

- 1. <Controller name>"
- · 2. <error message>"

#### 5.3.3.17 CTL13 : "The <Controller name> cache has been discarded."

# 5.3.3.18 CTL14 : "Single-bit ECC error limit exceeded on the <controller name> DIMM."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

## 5.3.3.19 CTL28 : "The Background Initialization (BGI) rate has changed for <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

### 5.3.3.20 CTL29 : "The Patrol Read rate has changed for <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

# 5.3.3.21 CTL30 : "The Check Consistency rate has changed for <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

# 5.3.3.22 CTL34 : "A foreign configuration was cleared on <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

## 5.3.3.23 CTL35 : "A foreign configuration was imported on <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3.24 CTL36 : "The Patrol Read mode has changed for <Controller name>."

#### 5.3.3.25 CTL37 : "A Patrol Read operation started for <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3.26 CTL38 : "The Patrol Read operation completed for <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.27 CTL39 : "The <Controller name> reconstruct rate has changed."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

#### 5.3.3.28 CTL40 : "Multi-bit ECC error on <Controller name> DIMM."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

#### 5.3.3.29 CTL41 : "Single-bit ECC error on <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

### 5.3.3.30 CTL42 : "Enclosure Management Module (EMM) hot plug is not supported on <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

### 5.3.3.31 CTL44 : "Diagnostic message <message> from <Controller name>"

The following substitution variables will have values depending on the context of the event:

- 1. <message>"
- · 2. <Controller name>"

#### 5.3.3.32 CTL45 : "Single-bit ECC error on <Controller name>."

# 5.3.3.33 CTL46 : "Single-bit ECC error. The <Controller name> DIMM is critically degraded."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

#### 5.3.3.34 CTL47 : "Single-bit ECC error on <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

### 5.3.3.35 CTL48 : "A foreign configuration was detected on <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.36 CTL49 : "The NVRAM has corrupted data on <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

#### 5.3.3.37 CTL50 : "The <Controller name> NVRAM has corrupt data."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

#### 5.3.3.38 CTL51 : "<Controller name> SAS port report: <message>"

The following substitution variables will have values depending on the context of the event:

- 1. <Controller name>"
- · 2. <message>"

#### 5.3.3.39 CTL52 : "<Controller name> SAS port report: <args>"

The following substitution variables will have values depending on the context of the event:

- 1. <Controller name>"
- 2. <args>"

DELL

# 5.3.3.40 CTL57 : "The factory default settings were restored on <controller Name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller Name>"

### 5.3.3.41 CTL58 : "<Controller name> SAS SMP communications error <args>"

The following substitution variables will have values depending on the context of the event:

- 1. <Controller name>"
- · 2. <args>"

#### 5.3.3.42 CTL59 : "<Controller name> SAS expander error: <args>"

The following substitution variables will have values depending on the context of the event:

- 1. <Controller name>"
- 2. <args>"

### 5.3.3.43 CTL61 : "Physical disks found missing from configuration during boot time on <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

### 5.3.3.44 CTL62 : "<VD names> on <Controller name> has missing drives and will go offline at boot."

The following substitution variables will have values depending on the context of the event:

- 1. <VD names>"
- · 2. <Controller name>"

### 5.3.3.45 CTL63 : "Previous configuration was found completely missing during boot time on <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

### 5.3.3.46 CTL72 : "The foreign configuration overflow has occurred on <Controller name>."

# 5.3.3.47 CTL73 : "Foreign configuration is imported only partially. Some configurations failed to import on <Controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

#### 5.3.3.48 CTL74 : "Preserved cache detected on <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.49 CTL75 : "Preserved cache discarded on <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3.50 CTL76 : "A configuration command could not be committed to disk on <Controller name>"

The following substitution variables will have values depending on the context of the event:

• 1. <Controller name>"

#### 5.3.3.51 CTL81 : "Security key assigned to <controller name> is modified."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.52 CTL86 : "<controller name> is operating in Fault Tolerant Mode."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3.53 CTL89 : "<controller name> is no longer fault tolerant because the peer controller is not available."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.54 CTL90 : "<controller name> is not operating in Fault Tolerant Mode because of an incompatible peer controller."



# 5.3.3.55 CTL91 : "<controller name> is unable to communicate with its peer."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.56 CTL92 : "<controller name> is not operating in Fault Tolerant Mode because of an incompatible license setting on its peer controller."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3.57 CTL93 : "<controller name> has been successfully changed to operate in Fault Tolerant mode."

The following substitution variables will have values depending on the context of the event:

1. <controller name>"

### 5.3.3.58 CTL94 : "<controller name> has been successfully changed to operate in single controller mode."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.59 CTL95 : "<controller name> has left the fault tolerant pair."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.3.60 CTL97 : "<controller name> personality changed to <new mode> mode."

The following substitution variables will have values depending on the context of the event:

- 1. <controller name>"
- · 2. <new mode>"

#### 5.3.3.61 CTL98 : "Security key assigned to <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.3.62 CTL99 : "Security key assigned to <controller name> is deleted."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.4 Subcategory : Storage Enclosure [Prefix : ENC]

#### 5.3.4.1 ENC1 : "< Enclosure Management Module Name> was inserted."

The following substitution variables will have values depending on the context of the event:

• 1. < Enclosure Management Module Name>"

#### 5.3.4.2 ENC12 : "Communication resumed on < Enclosure Name>."

The following substitution variables will have values depending on the context of the event:

• 1. < Enclosure Name>"

### 5.3.4.3 ENC14 : "The number of enclosures connected on <controller name> has exceeded the maximum limit supported by the controller."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.3.4.4 ENC18 : "Communication with <enclosure name> was lost."

The following substitution variables will have values depending on the context of the event:

• 1. <enclosure name>"

#### 5.3.4.5 ENC19 : "< Enclosure Management Module Name> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. < Enclosure Management Module Name>"

#### 5.3.4.6 ENC2 : "< Enclosure Management Module Name> was removed."

The following substitution variables will have values depending on the context of the event:

• 1. < Enclosure Management Module Name>"

#### 5.3.4.7 ENC22 : "The < Enclosure Name> has a bad sensor < args>."

- 1. < Enclosure Name>"
- · 2. <args>"

#### 5.3.4.8 ENC23 : "<enclosure name> - Issue with PHY <PHY data>."

The following substitution variables will have values depending on the context of the event:

- 1. <enclosure name>"
- · 2. <PHY data>"

#### 5.3.4.9 ENC24 : "Communication with <enclosure name> is intermittent."

The following substitution variables will have values depending on the context of the event:

• 1. <enclosure name>"

#### 5.3.4.10 ENC25 : "<enclosure name> has a hardware error."

The following substitution variables will have values depending on the context of the event:

· 1. <enclosure name>"

#### 5.3.4.11 ENC26 : "<enclosure name> is not responding."

The following substitution variables will have values depending on the context of the event:

• 1. <enclosure name>"

# 5.3.4.12 ENC28 : "Enclosure Management Module (EMM) firmware version mismatch detected in <enclosure name>.<EMM 0 version> <EMM 1 version>."

The following substitution variables will have values depending on the context of the event:

- 1. <enclosure name>"
- · 2. <EMM 0 version>"
- · 3. <EMM 1 version>"

#### 5.3.4.13 ENC29 : "< Enclosure Name> temperature has returned to normal."

The following substitution variables will have values depending on the context of the event:

• 1. < Enclosure Name>"

#### 5.3.4.14 ENC3 : "<Enclosure Name> is shutdown."

The following substitution variables will have values depending on the context of the event:

1. <Enclosure Name>"

#### 5.3.4.15 ENC31 : "Firmware download on < Enclosure Name> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. < Enclosure Name>"

#### 5.3.4.16 ENC40 : "A new enclosure was detected on <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

### 5.3.5 Subcategory : Fan Event [Prefix : FAN]

#### 5.3.5.1 FAN1000 : "<Fan Sensor Name> was removed."

The following substitution variables will have values depending on the context of the event:

• 1. <Fan Sensor Name>"

#### 5.3.5.2 FAN1001 : "<Fan Sensor Name> has been inserted."

The following substitution variables will have values depending on the context of the event:

• 1. <Fan Sensor Name>"

#### 5.3.5.3 FAN1002 : "<Fan Sensor Name> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <Fan Sensor Name>"

### 5.3.6 Subcategory : Physical Disk [Prefix : PDR]

#### 5.3.6.1 PDR1 : "<physical disk> copyback stopped for rebuild."

The following substitution variables will have values depending on the context of the event:

· 1. <physical disk>"

#### 5.3.6.2 PDR10 : "<physical disk> rebuild has started."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

DELL

### 5.3.6.3 PDR105 : "The physical disk drive <physical disk drive name> is assigned as a dedicated hot-spare."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk drive name>"

### 5.3.6.4 PDR106 : "The physical disk drive <physical disk drive name> is unassigned as a dedicated hot-spare."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk drive name>"

### 5.3.6.5 PDR107 : "The physical disk drive <physical disk drive name> is assigned as a global hot-spare."

The following substitution variables will have values depending on the context of the event:

1. <physical disk drive name>"

### 5.3.6.6 PDR108 : "The physical disk drive <physical disk drive name> is unassigned as a global hot spare."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk drive name>"

#### 5.3.6.7 PDR11 : "<physical disk> rebuild was cancelled."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.8 PDR112 : "The <PCIe solid state device name> has reached <percent> of warranted device wear-out limit."

The following substitution variables will have values depending on the context of the event:

- · 1. <PCIe solid state device name>"
- · 2. <percent>"

### 5.3.6.9 PDR113 : "The <PCIe solid state device name> has reached or exceeded its warranted wear-out limit."

The following substitution variables will have values depending on the context of the event:

1. <PCle solid state device name>"

# 5.3.6.10 PDR114 : "The <PCIe solid state device name> is approaching read-only mode."

The following substitution variables will have values depending on the context of the event:

• 1. <PCIe solid state device name>"

### 5.3.6.11 PDR115 : "The <PCIe solid state device name> is in read-only mode."

The following substitution variables will have values depending on the context of the event:

• 1. <PCle solid state device name>"

### 5.3.6.12 PDR116 : "Predictive failure reported for <PCIe solid state device name>"

The following substitution variables will have values depending on the context of the event:

• 1. <PCIe solid state device name>"

### 5.3.6.13 PDR117 : "The <PCIe solid state device name> has turned off because the critical temperature threshold is exceeded."

The following substitution variables will have values depending on the context of the event:

• 1. <PCle solid state device name>"

#### 5.3.6.14 PDR13 : "<physical disk> rebuild has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.15 PDR15 : "<physical disk> rebuild is complete."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.16 PDR16 : "Predictive failure reported for <physical disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.17 PDR2 : "Insufficient space available on <physical disk> to perform a copyback operation."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.18 PDR26 : "<physical disk> is online."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

#### 5.3.6.19 PDR3 : "<PD Name> is not functioning correctly."

The following substitution variables will have values depending on the context of the event:

1. <PD Name>"

#### 5.3.6.20 PDR37 : "The <physical device> is not supported."

The following substitution variables will have values depending on the context of the event:

• 1. <physical device>"

#### 5.3.6.21 PDR38 : "A clear operation started on <physical disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.22 PDR4 : "<physical disk> returned to a ready state."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

#### 5.3.6.23 PDR41 : "The clear operation on <physical disk> was cancelled."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

#### 5.3.6.24 PDR43 : "The clear operation on <physical disk> has completed."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

#### 5.3.6.25 PDR44 : "The clear operation on <physical disk> failed."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.26 PDR46 : "Patrol Read found an uncorrectable media error on <physical disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.27 PDR47 : "A block on <physical disk> was punctured by the controller."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.28 PDR48 : "The <physical disk> rebuild has resumed."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.29 PDR49 : "The dedicated hot spare <PD Name> is too small."

The following substitution variables will have values depending on the context of the event:

• 1. <PD Name>"

#### 5.3.6.30 PDR5 : "<PD Name> is removed."

The following substitution variables will have values depending on the context of the event:

• 1. <PD Name>"

#### 5.3.6.31 PDR50 : "Insufficient space on the global hot spare <PD Name>."

The following substitution variables will have values depending on the context of the event:

• 1. <PD Name>"

## 5.3.6.32 PDR51 : "Hot spare <physical disk> SMART polling has failed.<args>"

• 2. <args>"

#### 5.3.6.33 PDR52 : "A redundant path is broken."

#### 5.3.6.34 PDR53 : "A redundant path has been restored for <PD Name>."

The following substitution variables will have values depending on the context of the event:

• 1. <PD Name>"

### 5.3.6.35 PDR54 : "A disk media error on <physical disk> was corrected during recovery."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

### 5.3.6.36 PDR55 : "Insufficient space available on the <physical disk> to perform a rebuild."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.37 PDR56 : "Bad block table on <physical disk> is 80% full."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

## 5.3.6.38 PDR57 : "Bad block table on <physical disk> is full. Unable to log block <logical block address >."

The following substitution variables will have values depending on the context of the event:

- 1. <physical disk>"
- · 2. <logical block address >"

#### 5.3.6.39 PDR59 : "A bad disk block was reassigned on <physical disk>."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

#### 5.3.6.40 PDR6 : "<physical disk> is offline."

#### 5.3.6.41 PDR60 : "Error occurred on <physical disk> : <error code>."

The following substitution variables will have values depending on the context of the event:

- 1. <physical disk>"
- · 2. <error code>"

### 5.3.6.42 PDR61 : "The rebuild of <physical disk> failed due to errors on the source physical disk."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.43 PDR62 : "The rebuild failed due to errors on the target <physical disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.44 PDR63 : "A bad disk block on <physical disk> cannot be reassigned during a write operation."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

## 5.3.6.45 PDR64 : "An unrecoverable disk media error occurred on <physical disk>."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

#### 5.3.6.46 PDR69 : "Rebuild not possible on <physical disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.47 PDR70 : "Copyback started from <physical disk> to <physical disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

# 5.3.6.48 PDR71 : "Copyback completed from <physical disk> to <physical disk>."

The following substitution variables will have values depending on the context of the event:

- 1. <physical disk>"
- · 2. <physical disk>"

# 5.3.6.49 PDR72 : "Copyback resumed on <physical disk> from <physical disk>."

The following substitution variables will have values depending on the context of the event:

- 1. <physical disk>"
- · 2. <physical disk>"

# 5.3.6.50 PDR73 : "Copyback failed from <physical disk> to <physical disk>."

The following substitution variables will have values depending on the context of the event:

- 1. <physical disk>"
- · 2. <physical disk>"

### 5.3.6.51 PDR75 : "Copyback stopped for hot spare <physical disk> ."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

## 5.3.6.52 PDR77 : "<physical disk> state changed from READY to Non-RAID."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.53 PDR79 : "A user terminated Copyback from <physical disk> to <physical disk>."

The following substitution variables will have values depending on the context of the event:

- 1. <physical disk>"
- · 2. <physical disk>"

#### 5.3.6.54 PDR8 : "<PD Name> is inserted."

#### 5.3.6.55 PDR81 : "Microcode update started on <physical disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.56 PDR82 : "<physical disk> security was activated."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.57 PDR83 : "<PD Name> is reprovisioned."

The following substitution variables will have values depending on the context of the event:

• 1. <PD Name>"

#### 5.3.6.58 PDR84 : "<physical disk> Security key has changed."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

### 5.3.6.59 PDR85 : "Security subsystem errors detected for <physical disk>."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

#### 5.3.6.60 PDR86 : "Bad block table on <physical disk> is full."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.61 PDR87 : "<physical device> was reset."

The following substitution variables will have values depending on the context of the event:

• 1. <physical device>"

# 5.3.6.62 PDR88 : "Power state change failed on <PD Name>. (from <state> to <state>)"

The following substitution variables will have values depending on the context of the event:

• 1. <PD Name>"

DELL

- · 2. <state>"
- 3. <state>"

#### 5.3.6.63 PDR93 : "Microcode update on <physical disk> has completed."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.64 PDR94 : "Microcode update on <physical disk> has timed out."

The following substitution variables will have values depending on the context of the event:

1. <physical disk>"

#### 5.3.6.65 PDR95 : "Microcode update on <physical disk> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.66 PDR96 : "Security was disabled on <physical disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.67 PDR97 : "<physical disk> security key required."

The following substitution variables will have values depending on the context of the event:

• 1. <physical disk>"

#### 5.3.6.68 PDR98 : "Command timeout occurred on <physical disk>.<args>."

The following substitution variables will have values depending on the context of the event:

- 1. <physical disk>"
- · 2. <args>"

### 5.3.6.69 PDR99 : "The secure erase operation on Self Encryption Disk < PD Name > has completed."

The following substitution variables will have values depending on the context of the event:

• 1. < PD Name >"

### 5.3.7 Subcategory : Power Supply [Prefix : PSU]

### 5.3.7.1 PSU1000 : "Power supply cable has been removed from <PSU Sensor Name>."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU Sensor Name>"

#### 5.3.7.2 PSU1001 : "<PSU Sensor Name> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU Sensor Name>"

#### 5.3.7.3 PSU1002 : "<PSU Sensor Name> was removed"

The following substitution variables will have values depending on the context of the event:

• 1. <PSU Sensor Name>"

#### 5.3.7.4 PSU1003 : "<PSU Sensor Name> is switched OFF."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU Sensor Name>"

### 5.3.7.5 PSU1004 : "Power supply cable has been inserted into <PSU Sensor Name>."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU Sensor Name>"

#### 5.3.7.6 PSU1005 : "<PSU sensor name> is switched on."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU sensor name>"

#### 5.3.7.7 PSU1006 : "<PSU sensor name> was inserted."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU sensor name>"

#### 5.3.7.8 PSU1007 : "<PSU Sensor Name> has failed."

### 5.3.7.9 PSU1010 : "The DC power supply is switched off."

### 5.3.8 Subcategory : Security Event [Prefix : SEC]

#### 5.3.8.1 SEC0100 : "The <module name> in slot <slot number> is open."

The following substitution variables will have values depending on the context of the event:

- 1. <module name>"
- · 2. <slot number>"

### 5.3.8.2 SEC0101 : "The <module name> in slot <slot number> is opened for more than 3 minutes."

The following substitution variables will have values depending on the context of the event:

- 1. <module name>"
- · 2. <slot number>"

#### 5.3.8.3 SEC0102 : "The <module name> in slot <slot number> is closed."

The following substitution variables will have values depending on the context of the event:

- 1. <module name>"
- · 2. <slot number>"

### 5.3.9 Subcategory : SSD Devices [Prefix : SSD]

# 5.3.9.1 SSD0001 : "The Write Endurance of Solid state drive (SSD) <drive FQDD> is less than the threshold value of Remaining Write Rated Endurance."

The following substitution variables will have values depending on the context of the event:

• 1. <drive FQDD>"

### 5.3.9.2 SSD0002 : "The Available Spare of solid state drive (SSD) <drive FQDD> is less than the threshold value of Available Spare Alert."

The following substitution variables will have values depending on the context of the event:

• 1. <drive FQDD>"

### 5.3.10 Subcategory : Storage [Prefix : STOR]

#### 5.3.10.1 STOR1 : "A device <device name> is in an unknown state."

The following substitution variables will have values depending on the context of the event:

• 1. <device name>"

5.3.10.2 STOR10 : "Access to shared storage will not be available, because the RAID controller is unable to turn on."

5.3.10.3 STOR11 : "The currently detected hardware configuration is High Availability Ready. However, the current software solution does not yet support high availability."

5.3.10.4 STOR12 : "Chassis is operating with a disabled RAID controller."

5.3.10.5 STOR13 : "Unable to set the operation mode of the newly inserted storage sled in slot <slot number> to Split Single or Split Dual Host, because the storage sled has only one PERC controller."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

## 5.3.10.6 STOR14 : "The peripheral sled in slot <slot number> initialization is not complete."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.3.10.7 STOR15 : "The storage sled <slot number> is improperly configured."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

## 5.3.10.8 STOR16 : "The storage sled <slot number> configuration is normal."

# 5.3.10.9 STOR17 : "The fault-tolerant pair of RAID controllers <RAID controller 1> and <RAID controller 2> can have issues in their PCIe fabric because both controllers are on the same PCIe fabric."

The following substitution variables will have values depending on the context of the event:

- 1. <RAID controller 1>"
- · 2. <RAID controller 2>"

### 5.3.10.10 STOR18 : "A Shared Storage device is detected in slots other than Chassis Slots 5 and 6. This configuration is not currently supported."

#### 5.3.10.11 STOR2 : "SCSI sense data <args>."

The following substitution variables will have values depending on the context of the event:

• 1. <args>"

### 5.3.10.12 STOR7 : "The storage management instrumentation is performing an inventory refresh operation."

#### 5.3.11 Subcategory : Temperature [Prefix : TMP]

### 5.3.11.1 TMP1000 : "<tempsensor name> exceeded the maximum warning threshold."

The following substitution variables will have values depending on the context of the event:

1. <tempsensor name>"

### 5.3.11.2 TMP1001 : "<tempsensor name> has crossed the minimum warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <tempsensor name>"

### 5.3.11.3 TMP1002 : "<tempsensor name> has exceeded the maximum failure threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <tempsensor name>"

# 5.3.11.4 TMP1003 : "<tempsensor name> has crossed the minimum failure threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <tempsensor name>"

### 5.3.11.5 TMP1004 : "The temperature sensor <temperature sensor name> is now within configured threshold values."

The following substitution variables will have values depending on the context of the event:

• 1. <temperature sensor name>"

#### 5.3.11.6 TMP7 : "<Temp Sensor Name> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <Temp Sensor Name>"

### 5.3.12 Subcategory : Virtual Disk [Prefix : VDR]

### 5.3.12.1 VDR1 : "<VD Name> failed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.2 VDR10 : "Formatting the <VD Name> has started."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

### 5.3.12.3 VDR100 : "<virtual disk> is unavailable because of incompatibilities with the current controller."

The following substitution variables will have values depending on the context of the event:

1. <virtual disk>"

5.3.12.4 VDR101 : "Virtual Adapter mapping reported for <Virtual Disk Name>. Virtual Adapter 1 is now <Access Policy 1>. Virtual Adapter 2 is now <Access Policy 2>. Virtual Adapter 3 is now <Access Policy 3>. Virtual Adapter 4 is now <Access Policy 4>"



- 1. <Virtual Disk Name>"
- · 2. <Access Policy 1>"
- 3. <Access Policy 2>"
- · 4. <Access Policy 3>"
- 5. <Access Policy 4>"

#### 5.3.12.5 VDR11 : "<virtual disk> has started initializing."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.6 VDR12 : "Reconfiguration has started for <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.7 VDR13 : "<VD Name> rebuild has started."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.8 VDR14 : "The consistency check on <virtual disk> was cancelled."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.9 VDR15 : "Initialization of <virtual disk> was cancelled."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.10 VDR16 : "Consistency check of <virtual disk> failed."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

### 5.3.12.11 VDR17 : "<VD Name> format failed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

### 5.3.12.12 VDR18 : "Initialization of <virtual disk> has failed."

• 1. <virtual disk>"

#### 5.3.12.13 VDR19 : "Reconfiguration of <virtual disk> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.14 VDR2 : "<virtual disk> returned to optimal state."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.15 VDR21 : "Consistency check for <virtual disk> has completed."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.16 VDR22 : "Formatting the <VD Name> is completed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.17 VDR23 : "Initialization of <virtual disk> has completed."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.18 VDR24 : "Reconfiguration of <virtual disk> has completed."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.19 VDR25 : "<VD Name> rebuild is completed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

### 5.3.12.20 VDR26 : "The check consistency on a <VD Name> has been paused (suspended)."

The following substitution variables will have values depending on the context of the event:

1. <VD Name>"

## 5.3.12.21 VDR27 : "The consistency check on a <VD Name> has been resumed."

The following substitution variables will have values depending on the context of the event:

· 1. <VD Name>"

#### 5.3.12.22 VDR28 : "A virtual disk and its mirror have been split."

#### 5.3.12.23 VDR29 : "A mirrored virtual disk has been un-mirrored."

#### 5.3.12.24 VDR3 : "Redundancy normal on <VD Name>."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.25 VDR30 : "<virtual disk> write policy has changed."

The following substitution variables will have values depending on the context of the event:

1. <virtual disk>"

### 5.3.12.26 VDR31 : "Controller cache is preserved for missing or offline <VD Name>."

The following substitution variables will have values depending on the context of the event:

· 1. <VD Name>"

#### 5.3.12.27 VDR32 : "Background initialization has started for <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

### 5.3.12.28 VDR33 : "Background initialization was cancelled for <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.29 VDR34 : "Background initialization failed for <virtual disk>."

# 5.3.12.30 VDR35 : "Background initialization has completed for <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

### 5.3.12.31 VDR36 : "<VD Name> initialization is in-progress <progress percent>."

The following substitution variables will have values depending on the context of the event:

- 1. <VD Name>"
- 2. <progress percent>"

#### 5.3.12.32 VDR37 : "Dead disk segments are restored on <VD Name>."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.33 VDR38 : "<VD Name> is renamed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

### 5.3.12.34 VDR39 : "The check consistency has made corrections and completed for <VD name>."

The following substitution variables will have values depending on the context of the event:

• 1. <VD name>"

#### 5.3.12.35 VDR4 : "<virtual disk> was created."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.36 VDR40 : "The reconfiguration of <virtual disk> has resumed."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.37 VDR41 : "<VD Name> read policy has changed."



#### 5.3.12.38 VDR42 : "Dedicated hot spare assigned physical disk <args>."

The following substitution variables will have values depending on the context of the event:

• 1. <args>"

#### 5.3.12.39 VDR43 : "Dedicated hot spare unassigned physical disk <args>."

The following substitution variables will have values depending on the context of the event:

• 1. <args>"

#### 5.3.12.40 VDR44 : "<VD Name> disk cache policy has changed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.41 VDR45 : "<VD Name> blink has been initiated."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.42 VDR46 : "<VD Name> blink has ceased."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.43 VDR47 : "A disk media error was corrected on <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.44 VDR48 : "<VD Name> has inconsistent data."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.45 VDR49 : "<VD Name> is permanently degraded."

The following substitution variables will have values depending on the context of the event:

· 1. <VD Name>"

#### 5.3.12.46 VDR5 : "<virtual disk> was deleted."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

### 5.3.12.47 VDR50 : "Background Initialization (BGI) completed with uncorrectable errors on <virtual disk>."

The following substitution variables will have values depending on the context of the event:

1. <virtual disk>"

### 5.3.12.48 VDR51 : "The consistency check process made corrections and completed on <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

### 5.3.12.49 VDR52 : "The consistency check found inconsistent parity data on <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

## 5.3.12.50 VDR53 : "The consistency check logging of inconsistent parity data is disabled for <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.51 VDR54 : "<VD Name> initialization is terminated."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.52 VDR55 : "<VD Name> initialization has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.53 VDR56 : "Redundancy of <virtual disk> has been degraded."



• 1. <virtual disk>"

### 5.3.12.54 VDR57 : "Background Initialization in <VD Name> corrected medium error."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

### 5.3.12.55 VDR58 : "Bad block medium error is detected at block <args> on <VD Name>."

The following substitution variables will have values depending on the context of the event:

- 1. <args>"
- · 2. <VD Name>"

#### 5.3.12.56 VDR59 : "<VD Name> security has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

#### 5.3.12.57 VDR6 : "<VD Name> configuration has changed."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

### 5.3.12.58 VDR60 : "<initialization type> initialization is in progress on <virtual disk>."

The following substitution variables will have values depending on the context of the event:

- 1. <initialization type>"
- 2. <virtual disk>"

#### 5.3.12.59 VDR7 : "<virtual disk> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

# 5.3.12.60 VDR8 : "<virtual disk> is degraded either because the physical disk drive in the drive group is removed or the physical disk drive added in a redundant virtual drive has failed."

#### 5.3.12.61 VDR9 : "<virtual disk> consistency check has started."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

### 5.3.12.62 VDR91 : "Consistency check for <virtual disk> has detected multiple uncorrectable medium errors."

The following substitution variables will have values depending on the context of the event:

1. <virtual disk>"

### 5.3.12.63 VDR92 : "Consistency check for <virtual disk> has completed with uncorrectable errors."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.64 VDR93 : "<VD Name> bad block medium error is cleared."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

### 5.3.12.65 VDR94 : "Controller preserved cache was recovered for <virtual disk>."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

### 5.3.12.66 VDR95 : "Unable to log block <arg>.Bad block table on <VD Name> is full."

The following substitution variables will have values depending on the context of the event:

- 1. <arg>"
- 2. <VD Name>"

#### 5.3.12.67 VDR96 : "Bad block table on <virtual disk> is 80 percent full."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

#### 5.3.12.68 VDR97 : "Patrol Read corrected a media error on <VD Name>."

The following substitution variables will have values depending on the context of the event:

• 1. <VD Name>"

### 5.3.12.69 VDR98 : "<virtual disk> has switched active controllers. Its active path is now through <controller name>."

The following substitution variables will have values depending on the context of the event:

- 1. <virtual disk>"
- · 2. <controller name>"

### 5.3.12.70 VDR99 : "<virtual disk> is unavailable because of an ID conflict in the fault-tolerant pair."

The following substitution variables will have values depending on the context of the event:

• 1. <virtual disk>"

### 5.4 Category: System Health

### 5.4.1 Subcategory : Amperage [Prefix : AMP]

### 5.4.1.1 AMP0300 : "The system board <name> current is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.1.2 AMP0301 : "The system board <name> current is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.1.3 AMP0302 : "The system board <name> current is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.1.4 AMP0303 : "The system board <name> current is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.1.5 AMP0304 : "The system board <name> current is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.1.6 AMP0305 : "The system board <name> current is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.1.7 AMP0306 : "Disk drive bay <name> current is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.1.8 AMP0307 : "Disk drive bay <name> current is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.1.9 AMP0308 : "Disk drive bay <name> current is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.1.10 AMP0309 : "Disk drive bay <name> current is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.1.11 AMP0310 : "Disk drive bay <name> current is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.1.12 AMP0311 : "Disk drive bay <name> current is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"
5.4.1.13 AMP0312 : "System level current is less than the lower warning threshold."

5.4.1.14 AMP0313 : "System level current is less than the lower critical threshold."

5.4.1.15 AMP0314 : "System level current is greater than the upper warning threshold."

5.4.1.16 AMP0315 : "System level current is greater than the upper critical threshold."

5.4.1.17 AMP0316 : "System level current is outside of range."

5.4.1.18 AMP0317 : "System level current is within range."

5.4.1.19 AMP0318 : "Chassis power level current is less than the lower warning threshold."

5.4.1.20 AMP0319 : "Chassis power level current is less than the lower critical threshold."

5.4.1.21 AMP0320 : "Chassis power level current is greater than the upper warning threshold."

5.4.1.22 AMP0321 : "Chassis power level current is greater than the upper critical threshold."

5.4.1.23 AMP0322 : "Chassis power level current is outside of range."

5.4.1.24 AMP0323 : "Chassis power level current is within range."

5.4.2 Subcategory : Auto System Reset [Prefix : ASR]

5.4.2.1 ASR0000 : "The watchdog timer expired."

5.4.2.2 ASR0001 : "The watchdog timer reset the system."

5.9 Redish Event Notification Messages 5.9 Redish Event N

5.4.2.4 ASR0003 : "The watchdog timer power cycled the system."

#### initiated."

#### 5.4.3 Subcategory : Battery Event [Prefix : BAT]

5.4.3.1 BAT0000 : "The system board battery is low."

5.4.3.2 BAT0001 : "The system board battery is operating normally."

5.4.3.3 BAT0002 : "The system board battery has failed."

5.4.3.4 BAT0003 : "The system board battery is present."

5.4.3.5 BAT0004 : "The system board battery is absent."

5.4.3.6 BAT0005 : "The storage battery is low."

5.4.3.7 BAT0006 : "The storage battery is operating normally."

5.4.3.8 BAT0007 : "The storage battery has failed."

5.4.3.9 BAT0008 : "The storage battery is present."

5.4.3.10 BAT0009 : "The storage battery is absent."

#### 5.4.3.11 BAT0010 : "The storage battery for disk drive bay <bay> is low."

The following substitution variables will have values depending on the context of the event:

∙ 1. <bay>"

### 5.4.3.12 BAT0011 : "The storage battery for disk drive bay <br/>bay> is operating normally."

The following substitution variables will have values depending on the context of the event:

∙ 1. <bay>"

# 5.4.3.13 BAT0012 : "The storage battery for disk drive bay <bay> has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <bay>"

### 5.4.3.14 BAT0013 : "The storage battery for disk drive bay <br/>bay> is present."

The following substitution variables will have values depending on the context of the event:

• 1. <bay>"

### 5.4.3.15 BAT0014 : "The storage battery for disk drive bay <br/>bay> is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <bay>"

#### 5.4.3.16 BAT0015 : "The <name> battery is low."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.3.17 BAT0016 : "The <name> battery is operating normally."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.3.18 BAT0017 : "The <name> battery has failed."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.3.19 BAT0018 : "The <name> battery is present."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.3.20 BAT0019 : "The <name> battery is absent."

#### 5.4.4 Subcategory : Cable [Prefix : CBL]

### 5.4.4.1 CBL0003 : "Backplane <bay ID> <cable name> cable is disconnected."

The following substitution variables will have values depending on the context of the event:

- 1. <bay ID>"
- · 2. <cable name>"

# 5.4.5 Subcategory : Chassis Management Controller [Prefix : CMC]

## 5.4.5.1 CMC8514 : "Fabric mismatch is detected in the I/O Module <iom slot name>."

The following substitution variables will have values depending on the context of the event:

1. <iom slot name>"

### 5.4.5.2 CMC8516 : "The I/O Module <iom slot name> did not boot within the expected time."

The following substitution variables will have values depending on the context of the event:

• 1. <iom slot name>"

### 5.4.5.3 CMC8517 : "A double height server is detected in slot <slot number>, however the server is not detected in the bottom slot."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

# 5.4.5.4 CMC8518 : "A double-height server is detected in the slot <slot number>. However, the iDRAC in the server of bottom slot <slot number> is also responding."

- 1. <slot number>"
- · 2. <slot number>"

# 5.4.5.5 CMC8519 : "The LOM riser FRU for slot <slot number> FRU ID <fru id> is not functioning."

The following substitution variables will have values depending on the context of the event:

- 1. <slot number>"
- 2. <fru id>"

#### 5.4.5.6 CMC8520 : "The FRU on server <slot number> is not functioning."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

## 5.4.5.7 CMC8521 : "The Mezz card 1 FRU for the server <slot number> is not functioning."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.4.5.8 CMC8522 : "The Mezz card 2 FRU for the server <slot number> is not functioning."

The following substitution variables will have values depending on the context of the event:

1. <slot number>"

### 5.4.5.9 CMC8523 : "The Mezz card 3 FRU for the server <slot number> is not functioning."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

## 5.4.5.10 CMC8524 : "The Mezz card 4 FRU for the server <slot number> is not functioning."

The following substitution variables will have values depending on the context of the event:

1. <slot number>"

### 5.4.5.11 CMC8525 : "The FRU on the sleeve <slot number> is not functioning."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

## 5.4.5.12 CMC8526 : "Unable to retrieve the server-<slot number> CPU information."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.4.5.13 CMC8527 : "Unable to retrieve the server-<slot number> memory information."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.4.5.14 CMC8528 : "Unable to obtain or send link tuning or flex address data to server-<slot number>."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.4.5.15 CMC8534 : "Unable to turn on the server <slot number> because the power requirement request exceeds the power cap value."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.4.5.16 CMC8604 : "The FRU on storage sled <slot number> is not functioning."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

#### 5.4.6 Subcategory : Processor [Prefix : CPU]

#### 5.4.6.1 CPU0000 : "Internal error has occurred check for additional logs."

#### 5.4.6.2 CPU0001 : "CPU <number> has a thermal trip (over-temperature) event."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.6.3 CPU0002 : "CPU <number> has failed the built-in self-test (BIST)."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.4 CPU0003 : "CPU <number> is stuck in POST."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.5 CPU0004 : "CPU <number> failed to initialize."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.6 CPU0005 : "CPU <number> configuration is unsupported."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.7 CPU0006 : "Unrecoverable CPU complex error detected on CPU <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.8 CPU0007 : "CPU <number> is present."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.9 CPU0008 : "CPU <number> is disabled."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.10 CPU0009 : "CPU <number> terminator is present."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

Deell

#### 5.4.6.11 CPU0010 : "CPU <number> is throttled."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.12 CPU0011 : "Uncorrectable Machine Check Exception detected on CPU <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.13 CPU0012 : "Correctable Machine Check Exception detected on CPU <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.14 CPU0016 : "CPU <number> is operating correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.15 CPU0021 : "CPU <number> is configured correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.16 CPU0024 : "CPU <number> is enabled."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.17 CPU0025 : "CPU <number> terminator is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.18 CPU0700 : "CPU <number> initialization error detected."

The following substitution variables will have values depending on the context of the event:

1. <number>"

#### 5.4.6.19 CPU0701 : "CPU <number> protocol error detected."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.20 CPU0702 : "CPU bus parity error detected."

#### 5.4.6.21 CPU0703 : "CPU bus initialization error detected."

#### 5.4.6.22 CPU0704 : "CPU <number> machine check error detected."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.23 CPU0800 : "CPU <number> voltage regulator module is present."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.24 CPU0801 : "CPU <number> voltage regulator module failed."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.25 CPU0802 : "A predictive failure detected on CPU <number> voltage regulator module."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.26 CPU0803 : "The power input for CPU <number> voltage regulator module is lost."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.27 CPU0804 : "The power input for CPU <number> voltage regulator module is outside of range."

### 5.4.6.28 CPU0805 : "The power input for CPU <number> voltage regulator module is outside of range, but it is attached to the system."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.29 CPU0806 : "CPU <number> voltage regulator module is incorrectly configure."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.6.30 CPU0816 : "CPU <number> voltage regulator module is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.31 CPU0817 : "CPU <number> voltage regulator module is operating normally."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.32 CPU0819 : "The power input for CPU <number> voltage regulator module has been restored."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.33 CPU0822 : "CPU <number> voltage regulator module is configured correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.6.34 CPU9001 : "CPU interconnect <CPU number> has a correctable error."

The following substitution variables will have values depending on the context of the event:

1. <CPU number>"

#### 5.4.7 Subcategory : Processor Absent [Prefix : CPUA]

#### 5.4.7.1 CPUA0023 : "CPU <number> is absent"

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.8 Subcategory : Fan Event [Prefix : FAN]

### 5.4.8.1 FAN0000 : "Fan <number> RPM is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.8.2 FAN0001 : "Fan <number> RPM is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.8.3 FAN0002 : "Fan <number> RPM is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.8.4 FAN0003 : "Fan <number> RPM is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.8.5 FAN0004 : "Fan <number> RPM is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.8.6 FAN0005 : "Fan <number> RPM is within range."

• 1. <number>"

#### 5.4.8.7 FAN0006 : "Fan <number> is removed."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.8.8 FAN0007 : "Fan <number> was inserted."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.8.9 FAN0008 : "Fan <number> is present."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.8.10 FAN0009 : "Fan <number> is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.8.11 FAN0010 : "Fan <number> is disabled."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.8.12 FAN0011 : "Fan <number> is enabled."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.8.13 FAN0012 : "<fan name> RPM is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <fan name>"

### 5.4.8.14 FAN0013 : "<fan name> RPM is less than the lower critical threshold."

## 5.4.8.15 FAN0014 : "<fan name> RPM is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <fan name>"

### 5.4.8.16 FAN0015 : "<fan name> RPM is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <fan name>"

### 5.4.8.17 FAN0016 : "<fan name> RPM is outside of normal operating range."

The following substitution variables will have values depending on the context of the event:

• 1. <fan name>"

#### 5.4.8.18 FAN0017 : "<fan name> RPM is within normal operating range."

The following substitution variables will have values depending on the context of the event:

• 1. <fan name>"

#### 5.4.9 Subcategory : Fiber Channel [Prefix : FC]

# 5.4.9.1 FC102 : "The <controller ID> port <port ID> link is not functioning either because the FC cable is not connected or the FC device is not functioning."

The following substitution variables will have values depending on the context of the event:

- 1. <controller ID>"
- 2. <port ID>"

### 5.4.9.2 FC103 : "The <controller ID> port <port ID> network connection is successfully started."

- 1. <controller ID>"
- 2. <port ID>"

#### 5.4.10 Subcategory : Hardware Config [Prefix : HWC]

#### 5.4.10.1 HWC1000 : "The <name> is present."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.2 HWC1001 : "The <name> is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

5.4.10.3 HWC1004 : "The storage adapter is present."

5.4.10.4 HWC1005 : "The storage adapter is absent."

5.4.10.5 HWC1008 : "The backplane is present."

5.4.10.6 HWC1009 : "The backplane is absent."

5.4.10.7 HWC1012 : "The USB cable is present."

5.4.10.8 HWC1013 : "The USB cable is absent."

#### 5.4.10.9 HWC1014 : "The mezzanine card <number> is present."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.10 HWC1015 : "The mezzanine card <number> is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.11 HWC1100 : "The <name> was installed in slot <number>."

- 1. <name>"
- · 2. <number>"

#### 5.4.10.12 HWC1101 : "The <name> is removed from slot <number>."

The following substitution variables will have values depending on the context of the event:

- 1. <name>"
- · 2. <number>"

### 5.4.10.13 HWC1102 : "The <module name> is installed in an unsupported slot <slot number>."

The following substitution variables will have values depending on the context of the event:

- 1. <module name>"
- · 2. <slot number>"

#### 5.4.10.14 HWC1103 : "The <module name> installed in an unsupported slot <slot number> is removed."

The following substitution variables will have values depending on the context of the event:

- 1. <module name>"
- · 2. <slot number>"

### 5.4.10.15 HWC1104 : "The <module name> installed in slot <slot number> is not supported by the chassis."

The following substitution variables will have values depending on the context of the event:

- 1. <module name>"
- · 2. <slot number>"

### 5.4.10.16 HWC1105 : "The <module name> is removed from the slot <number>."

The following substitution variables will have values depending on the context of the event:

- 1. <module name>"
- · 2. <number>"

### 5.4.10.17 HWC1200 : "The sled <sled name> is inserted in slot <slot number>."

- 1. <sled name>"
- 2. <slot number>"

## 5.4.10.18 HWC1201 : "The sled <sled name> is removed from slot <slot number>."

The following substitution variables will have values depending on the context of the event:

- 1. <sled name>"
- · 2. <slot number>"

#### 5.4.10.19 HWC1202 : "The <name> was installed in slot <number>."

The following substitution variables will have values depending on the context of the event:

- 1. <name>"
- · 2. <number>"

#### 5.4.10.20 HWC1203 : "The <name> is removed from slot <number>."

The following substitution variables will have values depending on the context of the event:

- 1. <name>"
- · 2. <number>"

#### 5.4.10.21 HWC2000 : "The <name> cable or interconnect is connected."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.22 HWC2001 : "The <name> cable or interconnect is not connected or is improperly connected."

The following substitution variables will have values depending on the context of the event:

· 1. <name>"

#### 5.4.10.23 HWC2002 : "The storage <name> cable or interconnect is connected."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.24 HWC2003 : "The storage <name> cable is not connected, or is improperly connected."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

# 5.4.10.25 HWC2004 : "The system board <name> cable or interconnect is connected."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

## 5.4.10.26 HWC2005 : "The system board <name> cable or interconnect is not connected, or is improperly connected."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.27 HWC2006 : "The <name> is not installed correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.28 HWC2007 : "The <name> is installed correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.10.29 HWC2008 : "A fabric mismatch detected for mezzanine card <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.30 HWC2009 : "Mezzanine card <number> is installed correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.31 HWC2010 : "The riser board cable or interconnect is connected."

### 5.4.10.32 HWC2011 : "The riser board cable or interconnect is not connected, or is improperly connected."

### 5.4.10.33 HWC2012 : "A fabric mismatch detected on fabric <name> with server in slot <number>."



- 1. <name>"
- · 2. <number>"

### 5.4.10.34 HWC2013 : "Fabric mismatch corrected on fabric <name> with server in slot <number>."

The following substitution variables will have values depending on the context of the event:

- 1. <name>"
- · 2. <number>"

#### 5.4.10.35 HWC2014 : "A hardware misconfiguration detected on <name>."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.36 HWC2015 : "The <name> is configured correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.37 HWC3000 : "The <name> is removed."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.38 HWC3001 : "The <name> is inserted."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.39 HWC3002 : "Server <number> is removed."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.40 HWC3003 : "Server <number> was inserted."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.41 HWC3004 : "IO module <number> is removed."

#### 5.4.10.42 HWC3005 : "IO module <number> was inserted."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.43 HWC3006 : "Unable to QuickDeploy server in slot <slot number>."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

5.4.10.44 HWC4000 : "A hardware incompatibility detected between BMC/ iDRAC firmware and CPU."

5.4.10.45 HWC4001 : "A hardware incompatibility was corrected between BMC/iDRAC firmware and CPU."

5.4.10.46 HWC4002 : "A hardware incompatibility detected between BMC/ iDRAC firmware and other hardware."

5.4.10.47 HWC4003 : "A hardware incompatibility was corrected between BMC/iDRAC firmware and other hardware."

#### 5.4.10.48 HWC4010 : "Hardware successfully updated for mezzanine card <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.49 HWC4011 : "Hardware unsuccessfully updated for mezzanine card <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.50 HWC4014 : "Link Tuning data successfully updated."

#### 5.4.10.51 HWC4015 : "Link Tuning error detected."

### 5.4.10.52 HWC4016 : "Hardware incompatibility detected with mezzanine card <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.53 HWC4017 : "A hardware incompatibility is detected between <first component name><first component location> and <second component name><second component location>."

The following substitution variables will have values depending on the context of the event:

- 1. <first component name>"
- · 2. <first component location>"
- · 3. <second component name>"
- 4. <second component location>"

#### 5.4.10.54 HWC4018 : "A hardware incompatibility was corrected between <first component name><first component location location> and <second component name><second component location>."

The following substitution variables will have values depending on the context of the event:

- 1. < first component name>"
- 2. <first component location location>"
- 3. <second component name>"
- · 4. <second component location>"

### 5.4.10.55 HWC4019 : "Unable to control the fan speed because a sled mismatch or hardware incompatibility is detected."

#### 5.4.10.56 HWC5000 : "<name> is online."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.57 HWC5001 : "<name> is offline."

• 1. <name>"

#### 5.4.10.58 HWC5002 : "A fabric mismatch detected on <name>."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.59 HWC5003 : "<name> is operating correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.60 HWC5004 : "A link tuning failure detected on <name>."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.61 HWC5006 : "A failure is detected on <name>."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.62 HWC5030 : "IO module <number> is online."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.63 HWC5031 : "IO module <number> is offline."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.10.64 HWC5032 : "A fabric mismatch detected on IO module <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.65 HWC5033 : "IO module <number> is operating correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

5.0 Redfish Event Notification Messages 525

## 5.4.10.66 HWC5034 : "A link tuning failure detected on IO module <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.67 HWC5035 : "An over-temperature event detected on I/O module <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.68 HWC5036 : "A failure is detected on IO module <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.69 HWC5037 : "I/O module <number> failed to boot."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.70 HWC6000 : "The <name> controller is offline."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.71 HWC6001 : "The <name> controller is online."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.72 HWC6002 : "The <name> controller is stuck in boot mode."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.73 HWC6003 : "The <name> controller is booting."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.74 HWC6004 : "Cannot communicate with <name> controller."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.75 HWC6005 : "Communications restored for <name> controller."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.10.76 HWC7000 : "Server <number> health changed to a normal state."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.10.77 HWC7002 : "Server <number> health changed to a warning state from a normal state."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.78 HWC7004 : "Server <number> health changed to a critical state from either a normal or warning state."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.79 HWC7006 : "Server <number> health changed to a non-recoverable state from a less severe state."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.80 HWC7008 : "Server <number> health changed to a warning state from more severe state."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.81 HWC7010 : "Server <number> health changed to a critical state from a non-recoverable state."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.82 HWC7012 : "Server <number> health changed to a non-recoverable state."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.10.83 HWC8501 : "Unable to complete the operation because of an issue with the I/O panel cable."

#### 5.4.10.84 HWC8502 : "The I/O panel cable is connected."

# 5.4.10.85 HWC8503 : "The internal communication between the Chassis Management Controller (CMC) and the <left or right> control panel is restored."

The following substitution variables will have values depending on the context of the event:

• 1. <left or right>"

# 5.4.10.86 HWC8504 : "The Chassis Management Controller (CMC) cannot communicate with the <left or right> control panel because of internal issues."

The following substitution variables will have values depending on the context of the event:

• 1. <left or right>"

5.4.10.87 HWC8506 : "Unable to synchronize control panel firmware due to internal error."

5.4.10.88 HWC8507 : "The USB device inserted in to the I/O Panel USB port is causing an issue and cannot be used."

5.4.10.89 HWC8508 : "A device causing an issue in the I/O panel USB port is removed."

5.4.10.90 HWC8509 : "One or more PCIe switch heatsinks are not properly attached."

5.4.10.91 HWC8510 : "The heat sinks of the PCIe switches are properly attached."

#### 5.4.10.92 HWC9000 : "The status of device <name> is restored to normal."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

## 5.4.10.93 HWC9001 : "The <name> device may not function as expected because the device health status turned to Warning."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.10.94 HWC9002 : "The <name> device may not function as expected because the device health status turned to Critical."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.10.95 HWC9003 : "The <name> device may not function as expected because a Watchdog failure is detected."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

DELL

### 5.4.10.96 HWC9004 : "The BOSS-S1 device does not have a fan installed in it."

5.4.10.97 HWC9005 : "The BOSS-S1 device has a fan installed in it."

#### 5.4.11 Subcategory : IO Virtualization [Prefix : IOV]

# 5.4.11.1 IOV104 : "The Chassis Management Controller (CMC) is unable to allocate <number of Watt> Watt for server-<server slot number> PCle adapters."

The following substitution variables will have values depending on the context of the event:

- 1. <number of Watt>"
- 2. <server slot number>"

### 5.4.11.2 IOV105 : "Unable to manage PCIE adapter <device name> located in <slot type> <slot number>."

The following substitution variables will have values depending on the context of the event:

- 1. <device name>"
- · 2. <slot type>"
- 3. <slot number>"

### 5.4.11.3 IOV106 : "Unable to power on PCIe adapter <device name> in <slot type> <slot number>."

The following substitution variables will have values depending on the context of the event:

- 1. <device name>"
- · 2. <slot type>"
- 3. <slot number>"

### 5.4.11.4 IOV107 : "PCIe adapter <device dame> in slot <slot number> was removed while powered on."

- 1. <device dame>"
- · 2. <slot number>"

## 5.4.11.5 IOV108 : "Power fault detected on PCIE adapter <device name> in <slot type> <slot number>."

The following substitution variables will have values depending on the context of the event:

- 1. <device name>"
- 2. <slot type>"
- 3. <slot number>"

### 5.4.11.6 IOV109 : "An error condition associated with the PCIe slot is cleared."

5.4.11.7 IOV111 : "Unable to update Chassis Infrastructure firmware."

5.4.11.8 IOV112 : "Chassis Infrastructure firmware is not valid."

#### 5.4.12 Subcategory : Link Status [Prefix : LNK]

#### 5.4.12.1 LNK2700 : "The <name> network link is down."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.12.2 LNK2701 : "The <name> network link is up."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

# 5.4.12.3 LNK8500 : "Unable to connect the server in slot <slot id> to the IOM in slot <IOM slot id> port <IOM port id>, because the IOM port is down."

The following substitution variables will have values depending on the context of the event:

- 1. <slot id>"
- · 2. <IOM slot id>"
- 3. <IOM port id>"

## 5.4.12.4 LNK8501 : "The network connection of server in slot <slot id> IOM in slot <IOM slot id> port <IOM port id> is restarted."



- 1. <slot id>"
- · 2. <IOM slot id>"
- · 3. <IOM port id>"

#### 5.4.13 Subcategory : Memory [Prefix : MEM]

### 5.4.13.1 MEM0000 : "Persistent correctable memory errors detected on a memory device at location(s) <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.2 MEM0001 : "Multi-bit memory errors detected on a memory device at location(s) <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.3 MEM0002 : "Parity memory errors detected on a memory device at location <location >."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.4 MEM0003 : "Stuck bit memory error detected on a memory device at location <location >."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.5 MEM0004 : "Memory device at location <location> is disabled."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.6 MEM0005 : "Persistent correctable memory error limit reached for a memory device at location(s) <location>."

The following substitution variables will have values depending on the context of the event:

#### 5.4.13.7 MEM0006 : "Memory device at location <location> is present."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.8 MEM0007 : "Unsupported memory configuration; check memory device at location <location >."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.9 MEM0008 : "Memory device at location <location> is spare memory."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.10 MEM0009 : "Memory device at location <location> is throttled."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

## 5.4.13.11 MEM0010 : "Memory device at location <location> is overheating."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

## 5.4.13.12 MEM0016 : "Memory device at location(s) <location> is operating correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.13 MEM0021 : "Persistent correctable memory error limit reset for a memory device at location <location>."

The following substitution variables will have values depending on the context of the event:

#### 5.4.13.14 MEM0022 : "Memory device at location <location> is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.15 MEM0024 : "Memory device at location <location> is no longer spare memory."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.16 MEM0700 : "The persistent correctable memory error rate is at normal levels for a memory device at location <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.17 MEM0701 : "Correctable memory error rate exceeded for <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.18 MEM0702 : "Correctable memory error rate exceeded for <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.19 MEM1002 : "Memory device at location <location> is in test."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.20 MEM1003 : "Memory device at location <location> failed to transition to in test."

The following substitution variables will have values depending on the context of the event:

# 5.4.13.21 MEM1004 : "Memory device at location <location> is powered off."

The following substitution variables will have values depending on the context of the event:

1. <location>"

## 5.4.13.22 MEM1005 : "Memory device at location <location> failed to power off."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.23 MEM1006 : "Memory device at location <location> is online."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.24 MEM1007 : "Memory device at location <location> failed to transition to online."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.25 MEM1008 : "Memory device at location <location> is offline."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.26 MEM1009 : "Memory device at location <location> failed to transition to offline."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.27 MEM1010 : "Memory device at location <location> is off-duty."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.28 MEM1011 : "Memory device at location <location> is on-duty."

• 1. <location>"

### 5.4.13.29 MEM1012 : "Memory device at location <location> is in a degraded state."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.30 MEM1013 : "Memory device at location <location> is in a full state."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.31 MEM1014 : "Memory device at location <location> is in a power save state."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.32 MEM1015 : "Memory device at location <location> is in a power active state."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

## 5.4.13.33 MEM1016 : "Memory device at location <location> is not installed correctly."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.34 MEM1017 : "Memory device at location <location> is installed correctly."

The following substitution variables will have values depending on the context of the event:

#### 5.4.13.35 MEM1200 : "Memory RAID is redundant."

### 5.4.13.36 MEM1201 : "Memory RAID redundancy is lost. Check memory device at location(s) <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.37 MEM1202 : "Memory RAID redundancy is degraded. Check memory device at location(s) <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.38 MEM1203 : "Memory is not redundant."

#### 5.4.13.39 MEM1204 : "Memory mirror is redundant."

### 5.4.13.40 MEM1205 : "Memory mirror redundancy is lost. Check memory device at location(s) <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

### 5.4.13.41 MEM1206 : "Memory mirror redundancy is degraded. Check memory device at location <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.42 MEM1207 : "Memory spare is redundant."

### 5.4.13.43 MEM1208 : "Memory spare redundancy is lost. Check memory device at location <location >."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

DELL

### 5.4.13.44 MEM1209 : "Memory spare redundancy is degraded. Check memory device at location <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.45 MEM1212 : "Memory redundancy is lost."

5.4.13.46 MEM1214 : "Memory redundancy is degraded."

5.4.13.47 MEM7000 : "The memory riser mismatch was corrected."

5.4.13.48 MEM7002 : "A hardware mismatch detected for memory riser."

### 5.4.13.49 MEM8000 : "Correctable memory error logging disabled for a memory device at location <location>."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.50 MEM9000 : "Memory interconnect degraded."

#### 5.4.13.51 MEM9002 : "Intel QPI interconnect <QPI link number> has a correctable error."

The following substitution variables will have values depending on the context of the event:

• 1. < QPI link number>"

### 5.4.13.52 MEM9003 : "Intel SMI 2 Memory interconnect <link number> has a correctable error."

The following substitution variables will have values depending on the context of the event:

• 1. <link number>"

### 5.4.13.53 MEM9004 : "Intel QPI interconnect <QPI link number> has degraded."

The following substitution variables will have values depending on the context of the event:

• 1. < QPI link number>"

# 5.4.13.54 MEM9005 : "Intel SMI 2 Memory interconnect <link number> has degraded."

The following substitution variables will have values depending on the context of the event:

• 1. <link number>"

### 5.4.13.55 MEM9006 : "Intel QPI interconnect <QPI link number> has a non-recoverable issue."

The following substitution variables will have values depending on the context of the event:

• 1. < QPI link number>"

### 5.4.13.56 MEM9007 : "Intel SMI 2 Memory interconnect <link number> has a non-recoverable issue."

The following substitution variables will have values depending on the context of the event:

• 1. <link number>"

### 5.4.13.57 MEM9008 : "Intel DDR Memory interconnect <link number> has a non-recoverable issue."

The following substitution variables will have values depending on the context of the event:

• 1. <link number>"

### 5.4.13.58 MEM9009 : "Intel DDR Memory interconnect <link number> has a correctable error."

The following substitution variables will have values depending on the context of the event:

• 1. <link number>"

#### 5.4.13.59 MEM9020 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is about to reach the end of supported life duration."

The following substitution variables will have values depending on the context of the event:

1. <location>"

# 5.4.13.60 MEM9030 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is not responding and is disabled."

#### 5.4.13.61 MEM9031 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is unable to save the data during the previous system shutdown operation or power loss."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

5.4.13.62 MEM9032 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is unable to restore the data that was saved in the previous save operation."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.63 MEM9033 : "An unsupported Non-Volatile Dual In-line Memory Module (NVDIMM) device is of unsupported configuration and unable to operate as currently configured."

#### 5.4.13.64 MEM9034 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> is not responding."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

#### 5.4.13.65 MEM9035 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> cannot be configured to save data during a power loss because of an issue in the NVDIMM."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

5.4.13.66 MEM9036 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) devices are placed in write-protect mode because the system may not provide sufficient power to save data in case of power loss."

5.4.13.67 MEM9037 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has reached the end of supported life duration and is placed in write-protect mode."
#### 5.4.13.68 MEM9038 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has lost persistency and is placed in write-protect mode."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

# 5.4.13.69 MEM9050 : "The Non-Volatile Dual In-line Memory Module (NVDIMM) device in the slot <location> has regained persistency and is available for use."

The following substitution variables will have values depending on the context of the event:

• 1. <location>"

# 5.4.13.70 MEM9060 : "The Post-Package Repair operation is successfully completed on the Dual in-line Memory Module (DIMM) device that was failing earlier."

#### 5.4.14 Subcategory : NIC Configuration [Prefix : NIC]

#### 5.4.14.1 NIC100 : "The <Controller> Port <Port> network link is down."

The following substitution variables will have values depending on the context of the event:

- 1. <Controller>"
- 2. <Port>"

# 5.4.14.2 NIC101 : "The <controller ID> Port <port ID> network link is started."

- 1. <controller ID>"
- 2. <port ID>"

#### 5.4.15 Subcategory : OS Event [Prefix : OSE]

5.4.15.1 OSE0000 : "A critical stop occurred during OS load."

5.4.15.2 OSE0001 : "A runtime critical stop occurred."

5.4.15.3 OSE0002 : "An OS graceful stop occurred."

5.4.15.4 OSE0003 : "An OS graceful shut-down occurred."

#### 5.4.16 Subcategory : PCI Device [Prefix : PCI]

### 5.4.16.1 PCI1302 : "A bus time-out was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

#### 5.4.16.2 PCI1304 : "An I/O channel check error was detected."

# 5.4.16.3 PCI1306 : "A software error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

### 5.4.16.4 PCI1308 : "A PCI parity error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

# 5.4.16.5 PCI1310 : "A PCI system error was detected on a component at bus <br/> bus > device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

### 5.4.16.6 PCI1314 : "A bus correctable error was detected on a component at bus <bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

# 5.4.16.7 PCI1316 : "A bus uncorrectable error was detected on a component at bus <bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

### 5.4.16.8 PCI1318 : "A fatal error was detected on a component at bus <bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

# 5.4.16.9 PCI1320 : "A bus fatal error was detected on a component at bus <br/> <br/> bus> device <device> function <func>."

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

# 5.4.16.10 PCI1322 : "Bus performance degraded for a component at bus <br/> <bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

## 5.4.16.11 PCI1342 : "A bus time-out was detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.16.12 PCI1344 : "An I/O channel check error was detected."

### 5.4.16.13 PCI1346 : "A software error was detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.16.14 PCI1348 : "A PCI parity error was detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.16.15 PCI1350 : "A PCI system error was detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.16.16 PCI1354 : "A bus correctable error was detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.16.17 PCI1356 : "A bus uncorrectable error was detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.16.18 PCI1358 : "A fatal error was detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.16.19 PCI1360 : "A bus fatal error was detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.16.20 PCI1362 : "Bus performance degraded for a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.16.21 PCI2000 : "A fatal IO error detected on a component at bus <br/> <bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

## 5.4.16.22 PCI2001 : "The component at bus <bus> device <device> function <func> recovered from a fatal IO error."

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

# 5.4.16.23 PCI2002 : "A fatal IO error detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.16.24 PCI2003 : "The component at slot <number> recovered from a fatal IO error."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.16.25 PCI3000 : "Device option ROM on embedded NIC failed to support Link Tuning or FlexAddress."

## 5.4.16.26 PCI3001 : "Device option ROM on embedded NIC was successfully updated."

## 5.4.16.27 PCI3002 : "Failed to program virtual MAC address on a component at bus <bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

## 5.4.16.28 PCI3003 : "Virtual MAC address for component at bus <bus> device <device> function <func> was successfully programed."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

## 5.4.16.29 PCI3004 : "Device option ROM on mezzanine card <number> failed to support Link Tuning or FlexAddress."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.16.30 PCI3005 : "Device option ROM on mezzanine card <number> was successfully updated."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.16.31 PCI3006 : "Failed to get Link Tuning or FlexAddress data from iDRAC."

# 5.4.16.32 PCI3007 : "Link Tuning or FlexAddress data successfully obtained."

## 5.4.16.33 PCI3008 : "A non-fatal PCIe error detected on a component at bus <br/> bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

### 5.4.16.34 PCI3009 : "PCIe is operating normally on a component at bus <br/> <br/> bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

### 5.4.16.35 PCI3010 : "A non-fatal IO error detected on a component at bus <br/> <br/> bus> device <device> function <func>."

The following substitution variables will have values depending on the context of the event:

- 1. <bus>"
- · 2. <device>"
- 3. <func>"

# 5.4.16.36 PCI3011 : "The component at bus <bus> device <device> function <func> recovered from a non-fatal IO error."

The following substitution variables will have values depending on the context of the event:

• 1. <bus>"

• 3. <func>"

#### 5.4.16.37 PCI3012 : "The QuickPath Interconnect (QPI) width degraded."

#### 5.4.16.38 PCI3013 : "The QuickPath Interconnect (QPI) width regained."

## 5.4.16.39 PCI3014 : "A non-fatal PCIe error detected on a component at slot <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.16.40 PCI3015 : "The component at slot <number> recovered from a non-fatal PCIe error."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.16.41 PCI3016 : "Device option ROM on mezzanine card failed to support Link Tuning or FlexAddress."

## 5.4.16.42 PCI3017 : "Device option ROM on mezzanine card was successfully updated."

# 5.4.16.43 PCI3019 : "A low-severity issue is detected in the SSD bay <br/>bay id>, Slot <slot id>."

The following substitution variables will have values depending on the context of the event:

1. <bay id>"

• 2. <slot id>"

### 5.4.16.44 PCI5004 : "A power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

# 5.4.16.45 PCI5005 : "An auxiliary power fault issue is detected in the PCIe adapter that was turned on in PCIe slot<slot number>."

# 5.4.16.46 PCI5006 : "The power-related issue of the PCIe adapter in slot<slot number> is resolved."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.4.16.47 PCI5007 : "The auxiliary power-related issue of the PCIe adapter in slot <slot number> is resolved."

The following substitution variables will have values depending on the context of the event:

• 1. <slot number>"

### 5.4.16.48 PCI5008 : "The Chassis Management Controller (CMC) is unable to communicate with the PCIe switch board."

#### 5.4.17 Subcategory : Physical Disk [Prefix : PDR]

#### 5.4.17.1 PDR1000 : "Drive <number> is installed in disk drive bay <bay>."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <bay>"

# 5.4.17.2 PDR1001 : "Fault detected on drive <number> in disk drive bay <br/><br/>bay>."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- 2. <bay>"

### 5.4.17.3 PDR1002 : "A predictive failure detected on drive <number> in disk drive bay <bay>."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <bay>"

#### 5.4.17.4 PDR1016 : "Drive <number> is removed from disk drive bay <bay>."



- 1. <number>"
- · 2. <bay>"

# 5.4.17.5 PDR1017 : "Drive <number> in disk drive bay <bay> is operating normally."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <bay>"

## 5.4.17.6 PDR1024 : "Drive mismatch detected for drive <number> in disk drive bay <bay>."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <bay>"

## 5.4.17.7 PDR1025 : "Drive mismatch corrected for drive <number> in disk drive bay <bay>."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <bay>"

#### 5.4.17.8 PDR1100 : "Drive <number> is installed."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.17.9 PDR1101 : "Fault detected on drive <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.17.10 PDR1102 : "A predictive failure detected on drive <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.17.11 PDR1116 : "Drive <number> is removed."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.17.12 PDR1117 : "Drive <number> is operating normally."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.18 Subcategory : System Performance Event [Prefix : PFM]

# 5.4.18.1 PFM0002 : "The value of <sensor name> is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <sensor name>"

DELL

#### 5.4.19 Subcategory : BIOS POST [Prefix : PST]

- 5.4.19.1 PST0128 : "No memory is detected."
- 5.4.19.2 PST0129 : "Memory is detected, but is not configurable."
- 5.4.19.3 PST0130 : "Memory is configured, but not usable."
- 5.4.19.4 PST0132 : "CMOS failed."
- 5.4.19.5 PST0133 : "DMA controller failed."
- 5.4.19.6 PST0134 : "Interrupt controller failed."
- 5.4.19.7 PST0135 : "Timer refresh failed."
- 5.4.19.8 PST0136 : "Programmable interval timer error."
- 5.4.19.9 PST0137 : "Parity error."
- 5.4.19.10 PST0138 : "SuperIO failed."
- 5.4.19.11 PST0139 : "Keyboard controller failed."
- 5.4.19.12 PST0140 : "System management interrupt initialization failed."
- 5.4.19.13 PST0141 : "QuickPath Interconnect (QPI) fatal error."
- 5.4.19.14 PST0142 : "MRC fatal error."
- 5.4.19.15 PST0143 : "Intel Trusted Execution Technology (TXT) fatal error."

- 5.4.19.16 PST0192 : "Shut-down test failed."
- 5.4.19.17 PST0193 : "BIOS POST memory test failed."
- 5.4.19.18 PST0194 : "Remote access controller configuration failed."

552 5.0 Redfish Event Notification Messages 5.4.19.19 PST0195 : "CPU configuration failed."

5 / 10 20 DST0106 · "Incorrect memory configuration"

#### 5.4.20.2 PSU0001 : "Power supply <number> failed."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.3 PSU0002 : "A predictive failure detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.20.4 PSU0003 : "The power input for power supply <number> is lost."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.5 PSU0004 : "The power input for power supply <number> is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.6 PSU0005 : "The power input for power supply <number> is outside of the allowable range, but it is attached to the system."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.20.7 PSU0006 : "Power supply <number> is incorrectly configured."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.20.8 PSU0017 : "Power supply <number> is operating normally."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.9 PSU0019 : "The input power for power supply <number> has been restored."



#### 5.4.20.10 PSU0022 : "Power supply <number> is correctly configured."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.20.11 PSU0031 : "Cannot communicate with power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.12 PSU0032 : "The temperature for power supply <number> is in a warning range."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.13 PSU0033 : "The temperature for power supply <number> is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.14 PSU0034 : "An under voltage fault detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.20.15 PSU0035 : "An over voltage fault detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.20.16 PSU0036 : "An over current fault detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.20.17 PSU0037 : "Fan failure detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.20.18 PSU0038 : "Power supply <number> fan is operating normally."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.20.19 PSU0039 : "An under current fault detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.20 PSU0040 : "An output under voltage fault detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.21 PSU0041 : "An output over voltage fault detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

1. <number>"

# 5.4.20.22 PSU0042 : "An output over current fault detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.23 PSU0043 : "An output under current fault detected on power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.24 PSU0044 : "Cannot obtain status information from power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

## 5.4.20.25 PSU0045 : "Power supply <number> status information successfully obtained."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.26 PSU0046 : "Communication has been restored to power supply <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.20.27 PSU0076 : "A power supply wattage mismatch is detected; power supply <number> is rated for <value> watts."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <value>"

## 5.4.20.28 PSU0077 : "Power supply <number> vendor type mismatch detected."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.20.29 PSU0078 : "Power supply <number> revision mismatch detected."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.30 PSU0080 : "Power supply <number> voltage rating does not match the systems requirements."

• 1. <number>"

# 5.4.20.31 PSU0090 : "Power supply <number> wattage mismatch corrected."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.20.32 PSU0091 : "Power supply unit <PSU number> rating exceeds the system power distribution limits."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU number>"

### 5.4.20.33 PSU0092 : "Power supply unit <PSU number> rating is appropriate for the system power distribution limits."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU number>"

#### 5.4.21 Subcategory : PSU Absent [Prefix : PSUA]

#### 5.4.21.1 PSUA0016 : "Power supply <number> is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.22 Subcategory : Power Usage [Prefix : PWR]

5.4.22.1 PWR1000 : "The system performance restored."

5.4.22.2 PWR1001 : "The system performance degraded."

5.4.22.3 PWR1002 : "The system performance degraded because of thermal protection."

5.4.22.4 PWR1003 : "The system performance degraded because cooling capacity has changed."

5.4.22.5 PWR1004 : "The system performance degraded because power capacity has changed."

5.4.22.6 PWR1005 : "The system performance degraded because of userdefined power capacity has changed."

5.4.22.7 PWR1006 : "The system halted because system power exceeds capacity."

5.4.22.8 PWR1007 : "The system performance degraded because power exceeds capacity."

5.4.22.9 PWR1008 : "The system performance degraded because power draw exceeds the power threshold."

5.4.22.10 PWR1009 : "System power capacity is restored."

5.4.22.11 PWR2000 : "The system powered up."

5.4.22.12 PWR2001 : "The system hard reset."

5.4.22.13 PWR2002 : "The system warm reset."

5.4.22.14 PWR2005 : "The OS run-time software initiated a hard reset."

5.4.22.15 PWR2006 : "The OS run-time software initiated a warm reset."

5.4.22.16 PWR2200 : "The system is in the ON state."

# disabled because of a configuration mismatch and therefore the PSU is not supported on the server."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU number>"

# 5.4.22.18 PWR2266 : "The power supply unit (PSU) <PSU number> is disabled because of a generation mismatch and therefore the PSU is not supported on the server."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU number>"

# 5.4.22.19 PWR2267 : "The power supply unit (PSU) <PSU number> is disabled because of a capacity mismatch and therefore the PSU is not supported on the server."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU number>"

# 5.4.22.20 PWR2268 : "The power supply unit (PSU) <PSU number> is disabled because of a mismatch in the input voltage and therefore the PSU is not supported on the server."

The following substitution variables will have values depending on the context of the event:

• 1. <PSU number>"

5.4.22.21 PWR2269 : "The properties of Power Cap setting mode is changed."

5.4.22.22 PWR2273 : "The power required by server is within the power supplied by the power supply units (PSUs)."

5.4.22.23 PWR8557 : "The System Input Power Cap is too low to be enforced using the current Power Supply configuration."

5.4.22.24 PWR8558 : "The System Input Power Cap is being enforced with the current Power Supply configuration."

5.4.22.25 PWR8680 : "The <iDRAC/BIOS> firmware in the server slot <slot number> does not support the storage sled."

The following substitution variables will have values depending on the context of the event:

- 1. <iDRAC/BIOS>"
- · 2. <slot number>"

# 5.4.22.26 PWR8681 : "The <iDRAC/BIOS> firmware in the server slot <slot number> does not support additional PCIe slots."

The following substitution variables will have values depending on the context of the event:

- 1. <iDRAC/BIOS>"
- · 2. <slot number>"

#### 5.4.22.27 PWR8682 : "Unable to turn on the storage sled controller <controller number> in slot <slot number> because the <module name> module is not functioning."

The following substitution variables will have values depending on the context of the event:

- 1. <controller number>"
- · 2. <slot number>"
- 3. <module name>"

5.4.22.28 PWR8686 : "The Chassis Management Controller (CMC) is unable to turn on the storage sleds associated with server in slot <slot number> because the iDRAC firmware version in the server does not support the chassis storage module."

#### 5.4.22.29 PWR8687 : "The Chassis Management Controller (CMC) is unable to turn on the storage sled controller installed on server in slot <server slot> because the server does not have a Mezzanine card."

The following substitution variables will have values depending on the context of the event:

• 1. <server slot>"

#### 5.4.23 Subcategory : RAC Event [Prefix : RAC]

5.4.23.1 RAC0560 : "RAC Software Initialization Error"

5.4.23.2 RAC0561 : "iDRAC to CMC communication link is not functioning for agent free monitoring of chassis PCIe slots."

5.4.23.3 RAC0562 : "iDRAC-CMC communication restored for agent free monitoring of chassis PCIe slots."

5.4.24 Subcategory : Redundancy [Prefix : RDU]

5.4.24.1 RDU0001 : "The fans are redundant."

5.4.24.2 RDU0002 : "Fan redundancy is lost."

5.4.24.3 RDU0003 : "Fan redundancy is degraded."

5.4.24.4 RDU0004 : "The fans are not redundant."

5.4.24.5 RDU0005 : "The fans are not redundant. Insufficient resources to maintain normal operations."

5.4.24.6 RDU0011 : "The power supplies are redundant."

5.4.24.7 RDU0012 : "Power supply redundancy is lost."

5.4.24.8 RDU0013 : "Power supply redundancy is degraded."

5.4.24.9 RDU0014 : "The power supplies are not redundant."

5.4.24.10 RDU0015 : "The power supplies are not redundant. Insufficient resources to maintain normal operations."

5.4.24.11 RDU0016 : "The storage voltage is redundant."

5.4.24.12 RDU0017 : "The storage power redundancy is no longer

#### available."

#### 5.4.24.13 RDU0018 : "The storage power redundancy is degraded."

5.4.24.14 RDU0019 : "The storage voltage is not redundant."

## 5.4.24.15 RDU0030 : "The storage voltage of <device name> is redundant."

The following substitution variables will have values depending on the context of the event:

• 1. <device name>"

#### 5.4.24.16 RDU0031 : "The <name> voltage redundancy is lost."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.24.17 RDU0032 : "The <name> voltage redundancy is degraded."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.24.18 RDU0033 : "The <name> voltage is not redundant."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.25 Subcategory : IDSDM Media [Prefix : RFL]

#### 5.4.25.1 RFL2000 : "Internal Dual SD Module <name> is present."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.25.2 RFL2002 : "Internal Dual SD Module <name> is offline."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

DELL

#### 5.4.25.3 RFL2003 : "Internal Dual SD Module <name> is online."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.25.4 RFL2004 : "Failure detected on Internal Dual SD Module <name>."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

# 5.4.25.5 RFL2005 : "Internal Dual SD Module <name> is operating normally."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.25.6 RFL2006 : "Internal Dual SD Module <name> is write protected."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.25.7 RFL2007 : "Internal Dual SD Module <name> is writable."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.25.8 RFL2008 : "Internal Dual SD Module <name> is disabled."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.25.9 RFL2009 : "Internal Dual SD Module <name> is enabled."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.26 Subcategory : IDSDM Absent [Prefix : RFLA]

#### 5.4.26.1 RFLA2001 : "Internal Dual SD Module <name> is absent."

• 1. <name>"

DØLL

5.4.27 Subcategory : IDSDM Redundancy [Prefix : RRDU]

5.4.27.1 RRDU0001 : "Internal Dual SD Module is redundant."

5.4.27.2 RRDU0002 : "Internal Dual SD Module redundancy is lost."

5.4.27.3 RRDU0003 : "Internal Dual SD Module redundancy is degraded."

5.4.27.4 RRDU0004 : "Internal Dual SD Module is not redundant."

5.4.27.5 RRDU0006 : "Internal Dual SD Module rebuild initiated."

5.4.27.6 RRDU0007 : "Internal Dual SD Module rebuild completed successfully."

5.4.27.7 RRDU0008 : "Internal Dual SD Module rebuild did not complete successfully."

5.4.28 Subcategory : Security Event [Prefix : SEC]

5.4.28.1 SEC0000 : "The chassis is open."

5.4.28.2 SEC0016 : "The chassis is closed."

5.4.28.3 SEC0031 : "The chassis is open while the power is on."

5.4.28.4 SEC0032 : "The chassis is closed while the power is on."

5.4.28.5 SEC0033 : "The chassis is open while the power is off."

5.4.28.6 SEC0034 : "The chassis is closed while the power is off."

5.4.28.7 SEC0040 : "A critical stop occurred during OS load."

5.4.28.8 SEC0041 : "BIOS is unable to configure the Intel Trusted Execution Technology (TXT)."

5.4.28.9 SEC0042 .: Processor detected a problem while performing an

Intel Trusted Execution Technology (TXT) operation."

5.4.28.10 SEC0043 : "BIOS Authenticated Code Module detected an Intel Trusted Execution Technology (TXT) problem during POST."

5.4.28.11 SEC0044 : "SINIT Authenticated Code Module detected an Intel Trusted Execution Technology (TXT) problem at boot."

5.4.28.12 SEC0045 : "Intel Trusted Execution Technology (TXT) is operating correctly."

5.4.28.13 SEC0612 : "The default username and password is currently in use. It is recommended to immediately change the default credentials."

5.4.29 Subcategory : System Event Log [Prefix : SEL]

5.4.29.1 SEL0002 : "Logging is disabled."

5.4.29.2 SEL0003 : "Logging is enabled."

5.4.29.3 SEL0004 : "Log cleared."

5.4.29.4 SEL0006 : "All event logging is disabled."

5.4.29.5 SEL0007 : "All event logging is enabled."

5.4.29.6 SEL0008 : "System event log (SEL) is full."

5.4.29.7 SEL0010 : "System event log (SEL) is almost full."

5.4.29.8 SEL0012 : "Could not create or initialize the system event log."

5.4.29.9 SEL0013 : "The system event log was created or initialized successfully."

5.4.29.10 SEL1204 : "An unknown system hardware failure detected."

5.4 29.11 SEL1205 : "The unknown system hardware failure was corrected."

5.4.29.12 SEL1500 : "The chassis management controller (CMC) is

#### redundant."

5.4.29.13 SEL1501 : "Chassis management controller (CMC) redundancy is lost."

5.4.29.14 SEL1502 : "Chassis management controller (CMC) redundancy is degraded."

5.4.29.15 SEL1503 : "The chassis management controller (CMC) is not redundant."

5.4.29.16 SEL1504 : "The chassis management controller (CMC) is not redundant. Insufficient resources to maintain normal operations."

### 5.4.29.17 SEL1506 : "Lost communications with Chassis Group Member <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.29.18 SEL1507 : "Communications restored with Chassis Group Member <number>."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.29.19 SEL1508 : "Member <number> could not join the Chassis Group."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.29.20 SEL1509 : "Member <number> has joined the Chassis Group."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.29.21 SEL1510 : "An authentication error detected for Chassis Group Member <number>."

#### 5.4.29.22 SEL1511 : "Member <number> removed from the Chassis Group."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

5.4.29.23 SEL1512 : "The Chassis Controller is not responding or is not inserted properly. The status of Chassis Controller is critical."

5.4.29.24 SEL1513 : "The status of Chassis Controller has changed from critical to OK."

5.4.29.25 SEL1514 : "The sensor indicating the inlet temperature is not responding either because the sensor is damaged, or because of damaged circuit lines for I2C bus, or a faulty sensor state."

5.4.29.26 SEL1515 : "An I2C sensor is not responding either because it is damaged, or because of damaged circuit lines for I2C bus, or a faulty sensor state."

#### 5.4.30 Subcategory : Support Assist [Prefix : SRV]

5.4.30.1 SRV003 : "A SupportAssist job is already running on the server."

5.4.30.2 SRV004 : "Unable to access network share for exporting SupportAssist Collection data."

#### 5.4.30.3 SRV005 : "The SupportAssist job <Job ID> is cancelled."

The following substitution variables will have values depending on the context of the event:

• 1. <Job ID>"

DELL

5.4.30.4 SRV009 : "There was an issue retrieving System information for SupportAssist."

5.4.30.5 SRV013 : "Unable to retrieve Storage Controller Logs because no storage controllers are detected in the server."

5.4.30.6 SRV014 : "Unable to export Storage Controller Log because the storage controller <controller name> present in the server does not support the feature."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

#### 5.4.30.7 SRV015 : "Unable to export Storage Controller Log information of <storage controller> because of an issue in communicating with the controller."

The following substitution variables will have values depending on the context of the event:

1. <storage controller>"

# 5.4.30.8 SRV016 : "Unable to export Storage Controller Log information for controller <controller name> because the export did not complete within the allocated time."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

# 5.4.30.9 SRV017 : "Unable to retrieve the Storage Controller Log because another operation is in progress on the storage controller <controller name>."

The following substitution variables will have values depending on the context of the event:

• 1. <controller name>"

5.4.30.10 SRV018 : "Unable to start the Storage Controller Log collection because the server is powered off."

5.4.30.11 SRV019 : "Unable to start the Storage Controller Log collection because the server is in POST and has not finished the startup process."

5.4.30.12 SRV020 : "Unable to allocate memory because of insufficient storage space in iDRAC."

5.4.30.13 SRV024 : "Unable to collect OS and Application Data because the OS Collector is not installed on the iDRAC."

5.4.30.14 SRV025 : "Unable to present the iDRAC Service Module (iSM) installer to the host operating system because another Lifecycle Controller operation is currently in progress."

5.4.30.15 SRV026 : "Unable to compute the checksum because OS Collector files are not readable."

5.4.30.16 SRV027 : "Unable to expose the partition to the server Operating System (OS) because of an unknown issue in iDRAC."

5.4.30.17 SRV028 : "Unable to complete the operation because the native Operating System (OS) Application Data Collection is taking more time than allocated."

5.4.30.18 SRV029 : "Unable to include the Operating System (OS) Application Data in the SupportAssist Collection because of an unknown issue in iDRAC."

5.4.30.19 SRV030 : "The OS Collector Application is unable to collect data about OS and application because the OS installed on the server is not supported by OS Collector."

5.4.30.20 SRV031 : "The OS Collector application is unable to communicate with WMI services."

DELL

5.4.30.21 SRV032 : "The OS Collector Application is unable to collect the

application data because of an unknown exception."

5.4.30.22 SRV033 : "The native Operating System (OS) Application Data Collection is unable to collect data because of an unknown exception."

5.4.30.23 SRV034 : "The OS Collector application is unable to generate a zip archive of the OS and Application Data report."

5.4.30.24 SRV035 : "Unable to complete XML transform on the data collected because the collected data is in an unexpected format."

5.4.30.25 SRV036 : "The OS Collector application is unable to create the filename for zip archive."

5.4.30.26 SRV037 : "The OS Collector application is unable to communicate with the OS IPMI service."

5.4.30.27 SRV038 : "The OS Collector application is unable to communicate with IPMI library."

5.4.30.28 SRV039 : "The OS Collector Application is unable to create an Intelligent Platform Management Interface (IPMI) session."

5.4.30.29 SRV040 : "The OS Collector log file was truncated because the size of zip archive created by OS collector has exceeded the 30MB limit."

5.4.30.30 SRV041 : "Unable to successfully start the OS Collector application because the iDRAC Service Module (iSM) does not have necessary privileges for successfully running the application."

5.4.30.31 SRV042 : "An issue was encountered while communicating with iDRAC Service Module (iSM) present on the operating system."

5.4.30.32 SRV043 : "Unable to start the SupportAssist operation because the Lifecycle Controller is not enabled."

5.4.30.33 SRV044 : "Unable to start the collection of OS and Application

Data because the server is turned off."

5.4.30.34 SRV045 : "Unable to start the operation because the server is in POST and has not finished startup."

5.4.30.35 SRV046 : "Unable to start the operation because the server is turned off."

5.4.30.36 SRV047 : "The collection of OS and Application Data did not start within the allocated time."

5.4.30.37 SRV048 : "The iDRAC Service Module (iSM) installed on the operating system is not up to date and does not support the SupportAssist feature."

5.4.30.38 SRV049 : "Cached OS and Application Data is not available in the iDRAC."

5.4.30.39 SRV053 : "Unable to collect the Debug Logs data for SupportAssist because of insufficient storage space on iDRAC."

5.4.30.40 SRV054 : "Unable to fully complete the Debug Logs Collection operation."

5.4.30.41 SRV055 : "Unable to collect all the Debug Logs because the log file size is more than 30 MB."

5.4.30.42 SRV056 : "Unable to collect any of the SupportAssist Debug Log files because none of the debug commands could be run while collecting iDRAC debug logs."

5.4.30.43 SRV059 : "Unable to detect the host network connection because the host proxy authentication did not complete successfully."

5.4.30.44 SRV060 : "The SupportAssist Registration operation did not complete successfully."

DELL

5.4.30.45 SRV067 : "The SupportAssist Chassis Controller logs collection

operation did not complete successfully."

5.4.30.46 SRV068 : "The SupportAssist Enclosure Controller logs collection operation did not complete successfully."

5.4.30.47 SRV069 : "Unable to collect Chassis Management Controller (CMC) logs because iDRAC is not able to communicate to the CMC."

5.4.30.48 SRV070 : "Unable to collect Enclosure Controller (EC) logs because iDRAC is not able to communicate to the EC."

5.4.30.49 SRV073 : "The SupportAssist operation to update registration information did not complete successfully."

5.4.30.50 SRV077 : "The SupportAssist operation to present iDRAC Service Module (iSM) installer to Host operating system (OS) did not complete successfully."

5.4.30.51 SRV081 : "Unable to start the operation because the iDRAC Service Module (iSM) is not installed on the server operating system (OS)."

5.4.30.52 SRV082 : "Unable to start the operation because the iDRAC Service Module (iSM) service is not running on the server operating system (OS)."

5.4.30.53 SRV083 : "Unable to start the operation because the iDRAC Service Module (iSM) service running on the server operating system

### (OS) is not compatible with iDRAC firmware version installed on the server."

5.4.30.54 SRV084 : "Unable to start the operation because iDRAC is not registered for the SupportAssist features."

### 5.4.30.55 SRV091 : "Unable to create the SupportAssist job for <Job name>."

The following substitution variables will have values depending on the context of the event:

1. <Job name>"

# 5.4.30.56 SRV094 : "Unable to upload the SupportAssist Auto Collection to SupportAssist server because the iDRAC Service Module (iSM) is not running in the server operating system (OS)."

5.4.30.57 SRV095 : "The SupportAssist End User License Agreement (EULA) is already accepted by the iDRAC user <user name> by using the iDRAC interface <interface name>."

- 1. <user name>"
- · 2. <interface name>"

5.4.30.58 SRV099 : "Unable to save the SupportAssist Collection on iDRAC because the iDRAC partition is not available."

5.4.30.59 SRV102 : "Unable to present the iDRAC Service Module (iSM) installer to the host operating system because the Lifecycle Controller iSM update package is not installed."

5.4.30.60 SRV105 : "Unable to detect the host network connection because the network connection in the host operating system is not available."

5.4.30.61 SRV109 : "Unable to export the SupportAssist Collection data because the network share information is not available."

5.4.30.62 SRV110 : "Unable to detect the host network connection because the SupportAssist back-end server is either down or is not responding to client requests."

5.4.30.63 SRV113 : "Unable to start the export or upload operation because the SupportAssist Collection is not available on the iDRAC."

5.4.30.64 SRV114 : "Unable to upload the SupportAssist Collection because upload to SupportAssist server did not complete within the allocated time."

5.4.30.65 SRV115 : "Unable to upload the SupportAssist Collection because upload to SupportAssist server failed."

5.4.30.66 SRV118 : "Unable to start the SupportAssist operation because the Lifecycle Controller is not ready."

5.4.30.67 SRV119 : "Unable to start the SupportAssist operation because the Lifecycle Controller is in recovery mode."

5.4.30.68 SRV120 : "Unable to upload the SupportAssist Collection to the SupportAssist server because the host network connection is not available."

5.4.30.69 SRV125 : "Unable to start the SupportAssist operation because 5.6 Redfish Event Notification Messages
the Lifecycle Controller is in use."

5.4.30.70 SRV126 : "Unable to retrieve the data from SupportAssist server because of an issue between iDRAC and SupportAssist server."

5.4.30.71 SRV127 : "Unable to retrieve the SupportAssist registration contact and shipping information in iDRAC because data is either missing or corrupted."

5.4.30.72 SRV130 : "The iDRAC Service Module (iSM) running in Host Operating System (OS) is unable to allocate memory because of insufficient storage space in Host OS."

5.4.30.73 SRV131 : "Unable to complete the SupportAssist operation because of an unknown error in iDRAC."

5.4.30.74 SRV132 : "Unable to complete the SupportAssist operation within the allocated time."

#### 5.4.31 Subcategory : Software Config [Prefix : SWC]

5.4.31.1 SWC4004 : "A firmware or software incompatibility detected between iDRAC in slot <number> and CMC."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.31.2 SWC4005 : "A firmware or software incompatibility was corrected between iDRAC in slot <number> and CMC."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.31.3 SWC4006 : "A firmware or software incompatibility detected between system BIOS in slot <number> and CMC."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.31.4 SWC4007 : "A firmware or software incompatibility was corrected between system BIOS in slot <number> and CMC."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.31.5 SWC4008 : "A firmware or software incompatibility detected between CMC 1 and CMC 2."

5.4.31.6 SWC4009 : "A firmware or software incompatibility was corrected between CMC 1 and CMC 2."

# 5.4.31.7 SWC4012 : "A firmware or software incompatibility is detected between <first component name><first component location> and <second component name><second component location>."

The following substitution variables will have values depending on the context of the event:

- 1. <first component name>"
- 2. <first component location>"
- 3. <second component name>"
- 4. <second component location>"

# 5.4.31.8 SWC4013 : "A firmware or software incompatibility was corrected between <first component name><first component location> and <second component name><second component location>."

- 1. < first component name>"
- · 2. <first component location>"
- · 3. <second component name>"
- · 4. <second component location>"

#### 5.4.32 Subcategory : System Info [Prefix : SYS]

#### 5.4.32.1 SYS198 : "Unable to communicate with internal iDRAC memory."

#### 5.4.33 Subcategory : Temperature [Prefix : TMP]

#### 5.4.33.1 TMP0100 : "The system board <name> temperature is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.33.2 TMP0101 : "The system board <name> temperature is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

## 5.4.33.3 TMP0102 : "The system board <name> temperature is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.33.4 TMP0103 : "The system board <name> temperature is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.33.5 TMP0104 : "The system board <name> temperature is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.33.6 TMP0105 : "The system board <name> temperature is within range."

The following substitution variables will have values depending on the context of the event:

Dell

#### 5.4.33.7 TMP0106 : "The memory module <number> temperature is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.33.8 TMP0107 : "The memory module <number> temperature is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.33.9 TMP0108 : "The memory module <number> temperature is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.33.10 TMP0109 : "The memory module <number> temperature is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.33.11 TMP0110 : "The memory module <number> temperature is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

### 5.4.33.12 TMP0111 : "The memory module <number> temperature is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.33.13 TMP0112 : "The <name> temperature is less than the lower warning threshold."

· 1. <name>"

### 5.4.33.14 TMP0113 : "The <name> temperature is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.33.15 TMP0114 : "The <name> temperature is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.33.16 TMP0115 : "The <name> temperature is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.33.17 TMP0116 : "The <name> temperature is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.33.18 TMP0117 : "The <name> temperature is within range."

The following substitution variables will have values depending on the context of the event:

5.4.33.19 TMP0118 : "The system inlet temperature is less than the lower warning threshold."

5.4.33.20 TMP0119 : "The system inlet temperature is less than the lower critical threshold."

5.4.33.21 TMP0120 : "The system inlet temperature is greater than the upper warning threshold."

5.4.33.22 TMP0121 : "The system inlet temperature is greater than the upper critical threshold."

5.4.33.23 TMP0122 : "The system inlet temperature is outside of range."

5.4.33.24 TMP0123 : "The system inlet temperature is within range."

5.4.33.25 TMP0124 : "Disk drive bay temperature is less than the lower warning threshold."

5.4.33.26 TMP0125 : "Disk drive bay temperature is less than the lower critical threshold."

5.4.33.27 TMP0126 : "Disk drive bay temperature is greater than the upper warning threshold."

5.4.33.28 TMP0127 : "Disk drive bay temperature is greater than the upper critical threshold."

5.4.33.29 TMP0128 : "Disk drive bay temperature is outside of range."

5.4.33.30 TMP0129 : "Disk drive bay temperature is within range."

5.4.33.31 TMP0130 : "The control panel temperature is less than the lower warning threshold."

5.4.33.32 TMP0131 : "The control panel temperature is less than the lower critical threshold."

5.4,33.33 MP0132 tim The control panel temperature is greater than the

upper warning threshold."

5.4.33.34 TMP0133 : "The control panel temperature is greater than the upper critical threshold."

5.4.33.35 TMP0134 : "The control panel temperature is outside of range."

5.4.33.36 TMP0135 : "The control panel temperature is within range."

5.4.33.37 TMP0136 : "The system is automatically turned off because of insufficient cooling."

5.4.33.38 TMP0137 : "The system cooling is working normally."

5.4.33.39 TMP0200 : "CPU <number> temperature is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.33.40 TMP0201 : "CPU <number> temperature is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.33.41 TMP0202 : "CPU <number> temperature is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

# 5.4.33.42 TMP0203 : "CPU <number> temperature is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.33.43 TMP0204 : "CPU <number> temperature is outside of range."



#### 5.4.33.44 TMP0205 : "CPU <number> temperature is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <number>"

#### 5.4.34 Subcategory : Temperature Statistics [Prefix : TMPS]

5.4.34.1 TMPS0100 : "Inlet temperature is above warning level for extended duration."

5.4.34.2 TMPS0101 : "Inlet temperature is above critical level for extended duration."

5.4.34.3 TMPS0102 : "Inlet temperature is above warning level for extended duration."

5.4.34.4 TMPS0103 : "Inlet temperature is above critical level for extended duration."

#### 5.4.35 Subcategory : vFlash Event [Prefix : VFL]

#### 5.4.35.1 VFL1001 : "Removable Flash Media <name> is present."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.35.2 VFL1008 : "Failure detected on Removable Flash Media <name>."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

# 5.4.35.3 VFL1009 : "Removable Flash Media <name> is operating normally."

The following substitution variables will have values depending on the context of the event:

#### 5.4.35.4 VFL1010 : "Removable Flash Media <name> was activated."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.35.5 VFL1011 : "Removable Flash Media <name> was deactivated."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.35.6 VFL1014 : "Removable Flash Media <name> is write protected."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.35.7 VFL1015 : "Removable Flash Media <name> is writable."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.36 Subcategory : vFlash Absent [Prefix : VFLA]

#### 5.4.36.1 VFLA1000 : "Removable Flash Media <name> is absent."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37 Subcategory : Voltage [Prefix : VLT]

#### 5.4.37.1 VLT0104 : "Processor module <name> voltage is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.2 VLT0105 : "Processor module <name> voltage is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

DELL

### 5.4.37.3 VLT0200 : "The system board <name> voltage is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.4 VLT0201 : "The system board <name> voltage is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.5 VLT0202 : "The system board <name> voltage is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.6 VLT0203 : "The system board <name> voltage is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.7 VLT0204 : "The system board <name> voltage is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.8 VLT0205 : "The system board <name> voltage is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.9 VLT0206 : "The memory module <number> <name> voltage is less than the lower warning threshold."

- 1. <number>"
- · 2. <name>"

## 5.4.37.10 VLT0207 : "The memory module <number> <name> voltage is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

### 5.4.37.11 VLT0208 : "The memory module <number> <name> voltage is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

#### 5.4.37.12 VLT0209 : "The memory module <number> <name> voltage is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- 2. <name>"

#### 5.4.37.13 VLT0210 : "The memory module <number> <name> voltage is outside of range."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

### 5.4.37.14 VLT0211 : "The memory module <number> <name> voltage is within range."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

#### 5.4.37.15 VLT0212 : "The disk drive bay <name> voltage is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

### 5.4.37.16 VLT0213 : "The disk drive bay <name> voltage is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.17 VLT0214 : "The disk drive bay <name> voltage is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

## 5.4.37.18 VLT0215 : "The disk drive bay <name> voltage is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.19 VLT0216 : "The disk drive bay <name> voltage is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.20 VLT0217 : "The disk drive bay <name> voltage is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.21 VLT0218 : "The <name> voltage is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.22 VLT0219 : "The <name> voltage is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

# 5.4.37.23 VLT0220 : "The <name> voltage is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

# 5.4.37.24 VLT0221 : "The <name> voltage is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.25 VLT0222 : "The <name> voltage is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.26 VLT0223 : "The <name> voltage is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.27 VLT0224 : "The memory module <name> voltage is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.28 VLT0225 : "The memory module <name> voltage is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.29 VLT0226 : "The memory module <name> voltage is greater than the upper warning threshold."

The following substitution variables will have values depending on the context of the event:

### 5.4.37.30 VLT0227 : "The memory module <name> voltage is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.31 VLT0228 : "The memory module <name> voltage is outside of range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

### 5.4.37.32 VLT0229 : "The memory module <name> voltage is within range."

The following substitution variables will have values depending on the context of the event:

• 1. <name>"

#### 5.4.37.33 VLT0230 : "The mezzanine card <number> <name> voltage is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

### 5.4.37.34 VLT0231 : "The mezzanine card <number> <name> voltage is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

### 5.4.37.35 VLT0232 : "The mezzanine card <number> <name> voltage is greater than the upper warning threshold."

- 1. <number>"
- · 2. <name>"

## 5.4.37.36 VLT0233 : "The mezzanine card <number> <name> voltage is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

### 5.4.37.37 VLT0234 : "The mezzanine card <number> <name> voltage is outside of range."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

# 5.4.37.38 VLT0235 : "The mezzanine card <number> <name> voltage is within range."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- 2. <name>"

#### 5.4.37.39 VLT0300 : "CPU <number> <name> voltage is less than the lower warning threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

#### 5.4.37.40 VLT0301 : "CPU <number> <name> voltage is less than the lower critical threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

#### 5.4.37.41 VLT0302 : "CPU <number> <name> voltage is greater than the upper warning threshold."

- 1. <number>"
- 2. <name>"

### 5.4.37.42 VLT0303 : "CPU <number> <name> voltage is greater than the upper critical threshold."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

#### 5.4.37.43 VLT0304 : "CPU <number> <name> voltage is outside of range."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- · 2. <name>"

#### 5.4.37.44 VLT0305 : "CPU <number> <name> voltage is within range."

The following substitution variables will have values depending on the context of the event:

- 1. <number>"
- 2. <name>"

#### 5.5 Category: Updates

#### 5.5.1 Subcategory : Firmware Download [Prefix : RED]

- 5.5.1.1 RED001 : "Job completed successfully."
- 5.5.1.2 RED002 : "Package successfully downloaded."
- 5.5.1.3 RED003 : "Downloading package."

#### 5.5.1.4 RED024 : "The specified job starts when Lifecycle Controller is available."

#### 5.5.1.5 RED025 : "<device name> firmware updated successfully. Current version:<firmware version>"

- 1. <device name>"
- 2. <firmware version>"

#### 5.5.1.6 RED030 : "Reboot is complete."

### 5.5.1.7 RED035 : "<component> Rollback successful. Earlier version:<firmware version>, Current version:<firmware version>."

The following substitution variables will have values depending on the context of the event:

- 1. <component>"
- · 2. <firmware version>"
- 3. <firmware version>"

#### 5.5.1.8 RED036 : "Firmware updates are available : <component name>"

The following substitution variables will have values depending on the context of the event:

• 1. <component name>"

## 5.5.1.9 RED037 : "All components firmware match with the specified remote repository."

#### 5.5.1.10 RED038 : "A recurring task of type <task type> is added."

The following substitution variables will have values depending on the context of the event:

1. <task type>"

#### 5.5.1.11 RED039 : "Settings for a recurring operation of type <operation label> were cleared."

The following substitution variables will have values depending on the context of the event:

• 1. <operation label>"

#### 5.5.1.12 RED040 : "A recurring operation of type <operation type> created a job <job ID>."

The following substitution variables will have values depending on the context of the event:

- 1. <operation type>"
- 2. <job ID>"

### 5.5.1.13 RED041 : "A recurring operation of type <operation type> was not created because the required license is not available."

#### 5.5.1.14 RED042 : "A recurring operation of type <operation type> was not created because the necessary user access rights are not available."

The following substitution variables will have values depending on the context of the event:

• 1. <operation type>"

#### 5.5.1.15 RED043 : "A recurring operation of type <operation type> was not created because the operation type is disabled."

The following substitution variables will have values depending on the context of the event:

• 1. <operation type>"

#### 5.5.1.16 RED044 : "A recurring operation of type <operation type> was unable to create a job because the required license is not available now."

The following substitution variables will have values depending on the context of the event:

• 1. <operation type>"

# 5.5.1.17 RED045 : "A recurring operation of type <operation task> was unable to create a job because the necessary user access rights are not available now."

The following substitution variables will have values depending on the context of the event:

1. <operation task>"

#### 5.5.1.18 RED046 : "A recurring operation of type <operation type> was unable to create a job because the task type is now disabled."

The following substitution variables will have values depending on the context of the event:

• 1. <operation type>"

#### 5.5.1.19 RED047 : "A recurring operation <operation type> was not created because the operation is already configured."

The following substitution variables will have values depending on the context of the event:

1. <operation type>"

#### 5.5.1.20 RED048 : "The job <job ID> was deleted because the recurring operation <operation type> was cleared."

- 1. <job ID>"
- 2. <operation type>"

## 5.5.1.21 RED049 : "The job <job ID> is deleted because the recurring operation <operation type> is currently not enabled."

The following substitution variables will have values depending on the context of the event:

- 1. <job ID>"
- · 2. <operation type>"

#### 5.5.1.22 RED052 : "Processing of update packages is starting."

#### 5.5.1.23 RED053 : "Processing of update packages has completed."

#### 5.5.1.24 RED054 : "An update job <job ID> was created."

The following substitution variables will have values depending on the context of the event:

• 1. <job ID>"

#### 5.5.1.25 RED055 : "A reboot job <job ID> was created."

The following substitution variables will have values depending on the context of the event:

• 1. <job ID>"

#### 5.5.1.26 RED058 : "A repository update job <job ID> was created."

The following substitution variables will have values depending on the context of the event:

• 1. <job ID>"

DELL

#### 5.5.1.27 RED061 : "The job is successfully scheduled."

# 5.5.1.28 RED063 : "The iDRAC firmware updated successfully. Previous version: <available firmware version>, Current version: <installed firmware version>"

- 1. <available firmware version>"
- · 2. <installed firmware version>"

5.5.1.29 RED064 : "The scheduled Update from Repository job completed successfully. Applicable updates were not found."

5.5.1.30 RED065 : "The recurring scheduled update from repository job completed and updates were applied. A system restart was not required."

5.5.1.31 RED066 : "The recurring scheduled update from repository job completed and updates are staged to run after the next system restart."

5.5.1.32 RED067 : "The recurring scheduled update from repository job completed and updates were staged. The system will now restart to apply the staged updates."

5.5.1.33 RED068 : "Unable to successfully complete <job ID>: <job result message>"

The following substitution variables will have values depending on the context of the event:

• 1. <job ID>"

2. <job result message>"

#### 5.5.1.34 RED083 : "The Chassis firmware is not updated because the version currently on the Chassis is same as the requested version."

5.5.1.35 RED089 : "A Chassis firmware update operation is in progress."

5.5.1.36 RED090 : "A Chassis firmware update operation is no longer in progress."

# 5.5.1.37 RED092 : "The <component name> firmware updated successfully. Previous version: <available firmware version>, Current version: <installed firmware version>"

- 1. <component name>"
- 2. <available firmware version>"
- 3. <installed firmware version>"

# 5.5.1.38 RED094 : "Updating firmware for <component name> from version <available firmware version> to version <installed firmware version>."

The following substitution variables will have values depending on the context of the event:

- 1. <component name>"
- · 2. <available firmware version>"
- 3. <installed firmware version>"

5.5.1.39 RED100 : "iDRAC initiated the download update package files operation. Wait for a few minutes."

#### 5.5.2 Subcategory : Software Change [Prefix : SWU]

5.5.2.1 SWU8561 : "Unable to downgrade the firmware version because the current hardware configuration does not support rollback to the earlier firmware version."

5.5.2.2 SWU8662 : "Unable to update the I/O Aggregator (IOA) firmware because of an issue in the network communication session between CMC and IOA in slot <slot ID>."

The following substitution variables will have values depending on the context of the event:

• 1. <slot ID>"