



OMSA/OMSS to iDRAC SNMP-Gets Migration Guide

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Executive summary

Traditionally, systems management consoles that monitored servers using the Simple Network Monitoring Protocol (SNMP) required the installation of host agents such as Dell OpenManage Server Administrator (OMSA) / OpenManage Server Administrator Storage Services (OMSS). With the advent of out-of-band monitoring provided by the Dell integrated Remote Access Controller (iDRAC), management consoles can perform key systems management functions without the need to install host agents. This paper provides a detailed comparison of the SNMP tables and attributes implemented by the iDRAC MIB and the OMSA/OMSS MIB. It annotates the key similarities and differences and offers recommendations for effective usage of the iDRAC SNMP data model. This paper can be used as a guide for initiating management console integration with iDRAC or extending / migrating an existing management console integration with OMSA/OMSS to include iDRAC agent-free management.

Terms and definitions

OM - OpenManage	This is a collection of Dell software tools/utilities to manage, monitor and deploy Dell PowerEdge servers.
OMSA – OpenManage Server Administrator	A software agent (part of OpenManage product suite) that provides a comprehensive one-to-one systems management solution.
OMSS - OpenManage Server Administrator Storage Management	A software agent (part of OpenManage product suite) to manage the storage attached to the Dell PowerEdge server.
iDRAC – Integrated Dell Remote Access Controller	An embedded device capable of remote server management present in the Dell PowerEdge server.
SNMP	Simple Network Management Protocol.
SMI	Structure of Management Information.
MIB	Management Information Base.
OID	Object Identifier.



Introduction

The introduction of Dell PowerEdge 12th generation servers brought the capability of agent-free server management via the integrated Dell Remote Access Controller (iDRAC). With this solution, the inventory and monitoring of PowerEdge servers and server-attached storage can be performed without the need for installing host agents such as OpenManage Server Administrator (OMSA) or Open Manage Storage services (OMSS).

Following the release of PowerEdge 12th generation servers and the associated release of OpenManage 7.0, out-of-band server inventory information was made available using iDRAC interfaces including the iDRAC web graphical user interface, the WS-MAN API and the RACADM command line interface. Prior to the release of OpenManage 7.2 and iDRAC firmware version 1.30.30, management console use of the SNMP protocol with iDRAC was limited to event monitoring via SNMP traps. In order to retrieve server and server storage inventory using the SNMP interface, consoles had to install host agents. In addition, only the SNMP v1 and v2c versions of the protocol were supported.

Since the OpenManage 7.2 release, these limitations have been removed and new capabilities added to the iDRAC SNMP agent which have been effectively leveraged by the one-to-many management consoles or Management Stations (MS). These features include:

SNMP GET and GETNEXT operations supported	Updated MIB file modeling for the server/storage data. Consoles can now query the iDRAC SNMP agent and build the server inventory similar to methods used for retrieving data from OMSA/OMSS agents.
SNMP v3 support	iDRAC supports SNMP v3, enabling more secure server management.

In this document, the iDRAC MIB is explained in detail with an emphasis on a comparative study of the OMSA/OMSS SNMP MIB with the iDRAC MIB. Primarily, this enables existing console applications consuming SNMP data from OMSA/OMSS to modify their tools/utilities. Management consoles can utilize out-of-band SNMP data from the iDRAC and avoid the installation of OS agents for this purpose. In addition, this paper provides an overview for administrators and developers who wish to utilize server and server storage inventory data using iDRAC with SNMP.

The iDRAC server / storage MIB explained

In general, the iDRAC MIB for server and storage is modeled with the corresponding OMSA/OMSS MIBs as the base reference. Some of the noteworthy aspects of the iDRAC MIB:

- Unlike OMSA/OMSS, which uses two separate MIB files – one for server and one for storage - the iDRAC has a single MIB file that consolidates the data for the server and storage subsystems.
- The iDRAC MIB file is published in two notations for SMIv1 and SMIv2; the two versions of the MIB file are functionally equivalent.
 - iDRAC-SMIv1.mib: SMIv1 version of iDRAC MIB file
 - iDRAC-SMIv2.mib: SMIv2 version of iDRAC MIB file



- The table/group and attribute OIDs are largely identical to the corresponding OIDs in OMSA/OMSS. However, attributes of OMSA/OMSS that are not applicable to or not supported by iDRAC are not included.

Note: The OMSA/OMSS attributes included in the iDRAC MIB have not been renumbered. This numbering approach enables a seamless migration of the console scripts from OMSA/OMSS agent to iDRAC agent. The attribute OID numbers are not, however, strictly continuous in the tables in the iDRAC MIB.

- As the suffix part of the entire OID is common with respect to OMSA/OMSS and iDRAC, typically only a simple pattern replacement of an OMSA/OMSS OID is needed to generate the equivalent iDRAC OID.
- The group, table and attribute names are retained from the OMSA/OMSS MIB with a few exceptions that are detailed in the following sections.
- Any new attributes in the iDRAC tables, relative to OMSA/OMSS, are appended to the end of the iDRAC tables to preserve backward compatibility with OMSA/OMSS.
- Some existing attributes have updated expected values or value ranges in iDRAC relative to OMSA/OMSS.

OMSA to iDRAC SNMP Get migration

This section captures a comparative study of the iDRAC firmware version 2.30.30.30 SNMP modeling of the server/system with the modeling of OMSA/OMSS version 8.3.

In general, the groups, table structures and hierarchy have been retained in iDRAC as compared with the OMSA MIB (for example: 10892.mib file). The server/system base OID in OMSA, for example, 1.3.6.1.4.1.674.10892.1, now corresponds to 1.3.6.1.4.1.674.10892.5.4 in the iDRAC. Typically replacing the "10892.1" in an OMSA OID with "10892.5.4" should result in the corresponding OID in iDRAC.

Certain OMSA tables are not available in iDRAC – this is documented in Table 1:

Table 1. Unavailable OMSA tables for iDRAC

OMSA Table Name
systemManagementSoftwareGroup
uUIDTable
postLogTable
baseBoardTable
operatingSystemTable
operatingSystemMemoryTable
systemResourceMapTable
systemResourceOwnerTable
systemResourceIOPortTable
systemResourceMemoryTable
systemResourceInterruptTable
SystemResourceDMATableEntry
aCPowerSwitchTable
aCPowerCordTable
powerProfileTable



OMSA Table Name
userSecurityTable
remoteFlashBIOSTable
pointingPortTable
keyboardPortTable
processorPortTable
memoryDevicePortTable
monitorPortTable
sCSIPortTable
parallelPortTable
serialPortTable
uSBPortTable
pointingDeviceTable
keyboardDeviceTable
cacheDeviceTable
memoryDeviceMappedAddressTable
genericDeviceTable
pCIDeviceConfigurationSpaceTable
managedSystemServiceDeviceTable
sdCardUnitTable
sdCardDeviceTable
physicalMemoryArrayTable
physicalMemoryArrayMappedTable
physicalMemoryConfigTable
physicalMemoryLoggingTable
physicalMemoryCardTable
redundantMemoryUnitTable
biosSetUpControlTable
sCSIControlTable
parallelPortControlTable
serialPortControlTable
usbControlTable
ideControlTable
disketteControlTable
networkInterfaceControlTable
biosSettingTable
IRAGlobalSettingsTable
IRAActionTableTable
cooTable
cooServiceContractTable
cooCostEventLogTable
cooWarrantyTable
cooLeaseInformationTable
cooScheduleNumberTable
cooOptionsTable
cooMaintenanceTable
cooRepairTable
cooSupportInformationTable
cooTroubleTicketTable
clusterTable
bmcTable
bmcSerialInterfaceTable



OMSA Table Name
bmcLANInterfaceTable

Following are the differences between the OMSA MIB tables and the iDRAC MIB tables:

- Fully Qualified Device Descriptors (FQDD): A new FQDD attribute is supported by some, though not all, server/system tables in the iDRAC MIB. New FQDD attributes have been appended to the end of the iDRAC tables to preserve backward compatibility with OMSA.
- The following new attributes, relative to the OMSA MIB, are supported by iDRAC in the systemStateTable:
 - systemStateIDSDMCardUnitStatusCombined
 - systemStateIDSDMCardUnitStatusList
 - systemStateIDSDMCardDeviceStatusCombined
 - systemStateIDSDMCardDeviceStatusList
 - systemStateTemperatureStatisticsStateDetails
 - systemStateTemperatureStatisticsStatusCombined
 - systemStateTemperatureStatisticsStatusDetails
- The following two new attributes, relative to the OMSA MIB, are supported by iDRAC under the chassisInformationGroup:
 - numEventLogEntries
 - numLCLogEntries
- The following new table, relative to the OMSA MIB, is supported by iDRAC under the chassisInformationGroup:
 - lcLogTable

Following are some additional notes concerning various iDRAC MIB attributes and tables:

- Due to the underlying differences in the implementations of the iDRAC firmware and the OMSA application for certain devices, the number of instances (rows) and/or the ordering of instances (rows) in various tables, at run-time, can be different in iDRAC relative to OMSA. In other words, there is no guarantee that the number and ordering of the rows returned by iDRAC for any given table are the same as the number and ordering of rows returned by OMSA for the same table, in cases where data is queried from both iDRAC and OMSA running on the same system.
- Some tables are not present on modular (blade) systems. These tables include:
 - intrusionTable
 - powerUnitTable
 - powerSupplyTable
 - coolingUnitTable
 - coolingDeviceTable
 - systemSlotTable
- The new "numEventLogEntries" attribute and new "lcLogTable" can only be accessed using SNMPv3 queries. Access to both of them is blocked for SNMPv1 and SNMPv2c queries.





A detailed study of the server/system tables/attributes is presented in the OMSA-to-iDRAC comparison below.

Table 2. mIBVersionGroup

OMSA			iDRAC			Comments
Group	mIBVersionGroup		Group	mIBVersionGroup		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
mIBMajorVersion Number	1.3.6.1.4.1.674.10892.1.1.1	DellUnsigned8BitRange	mIBMajorVersion Number	1.3.6.1.4.1.674.10892.5.4.1.1	Unsigned8BitRange	iDRAC has its own versioning; iDRAC major version may not match OMSA major version.
mIBMinorVersion Number	1.3.6.1.4.1.674.10892.1.1.2	DellUnsigned8BitRange	mIBMinorVersion Number	1.3.6.1.4.1.674.10892.5.4.1.2	Unsigned8BitRange	iDRAC has its own versioning; iDRAC major version may not match OMSA major version..
mIBMaintenanceVersion Number	1.3.6.1.4.1.674.10892.1.1.3	DellUnsigned8BitRange	mIBMaintenanceVersion Number	1.3.6.1.4.1.674.10892.5.4.1.3	Unsigned8BitRange	iDRAC has its own versioning; iDRAC major version may not match OMSA major version.

Table 3. systemStateGroup/systemStateTable

OMSA			iDRAC			Comments
Group	systemStateGroup		Group	systemStateGroup		
Table	systemStateTable		Table	systemStateTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemStateChassisIndex	1.3.6.1.4.1.674.10892.1.200.1.0.1.1	DellObjectRange	systemStateChassisIndex	1.3.6.1.4.1.674.10892.5.4.200.10.1.1	ObjectRange	
systemStateGlobalSystemStatus	1.3.6.1.4.1.674.10892.1.200.1.0.1.2	DellStatus	systemStateGlobalSystemStatus	1.3.6.1.4.1.674.10892.5.4.200.10.1.2	ObjectStatusEnum	The underlying object topology and corresponding algorithm to calculate the worst case severity is different between OMSA and iDRAC. Therefore, exact consistency in the values should not be expected.
systemStateChassisState	1.3.6.1.4.1.674.10892.1.200.1.0.1.3	DellStateSettings	systemStateChassisState	1.3.6.1.4.1.674.10892.5.4.200.10.1.3	StateSettingsFlags	
systemStateChassisStatus	1.3.6.1.4.1.674.10892.1.200.1.0.1.4	DellStatus	systemStateChassisStatus	1.3.6.1.4.1.674.10892.5.4.200.10.1.4	ObjectStatusEnum	The underlying object topology and corresponding algorithm to calculate the worst case severity is different between OMSA and iDRAC. Therefore, exact consistency in the values should not be expected.
systemStatePowerUnitStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.5	OCTET STRING (SIZE(1..128))	systemStatePowerUnitStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.5	OCTET STRING (SIZE(1..128))	
systemStatePowerUnitStatusRedundancy	1.3.6.1.4.1.674.10892.1.200.1.0.1.6	DellStatusRedundancy	systemStatePowerUnitStatusRedundancy	1.3.6.1.4.1.674.10892.5.4.200.10.1.6	StatusRedundancyEnum	

OMSA			iDRAC			Comments
Group	systemStateGroup		Group	systemStateGroup		
Table	systemStateTable		Table	systemStateTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemStatePowerUnitStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.7	OCTET STRING (SIZE(1..128))	systemStatePowerUnitStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.7	OCTET STRING (SIZE(1..128))	
systemStatePowerSupplyStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.8	OCTET STRING (SIZE(1..128))	systemStatePowerSupplyStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.8	OCTET STRING (SIZE(1..128))	
systemStatePowerSupplyStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.9	DellStatus	systemStatePowerSupplyStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.9	ObjectStatusEnum	
systemStatePowerSupplyStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.10	OCTET STRING (SIZE(1..128))	systemStatePowerSupplyStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.10	OCTET STRING (SIZE(1..128))	
systemStateVoltageStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.11	OCTET STRING (SIZE(1..128))	systemStateVoltageStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.11	OCTET STRING (SIZE(1..128))	
systemStateVoltageStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.12	DellStatus	systemStateVoltageStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.12	ObjectStatusEnum	
systemStateVoltageStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.13	OCTET STRING (SIZE(1..128))	systemStateVoltageStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.13	OCTET STRING (SIZE(1..128))	
systemStateAmperageStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.14	OCTET STRING (SIZE(1..128))	systemStateAmperageStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.14	OCTET STRING (SIZE(1..128))	
systemStateAmperageStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.15	DellStatus	systemStateAmperageStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.15	ObjectStatusEnum	
systemStateAmperageStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.16	OCTET STRING (SIZE(1..128))	systemStateAmperageStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.16	OCTET STRING (SIZE(1..128))	
systemStateCoolingUnitStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.17	OCTET STRING (SIZE(1..128))	systemStateCoolingUnitStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.17	OCTET STRING (SIZE(1..128))	
systemStateCoolingUnitStatusRedundancy	1.3.6.1.4.1.674.10892.1.200.1.0.1.18	DellStatusRedundancy	systemStateCoolingUnitStatusRedundancy	1.3.6.1.4.1.674.10892.5.4.200.10.1.18	StatusRedundancyEnum	

OMSA			iDRAC			Comments
Group	systemStateGroup		Group	systemStateGroup		
Table	systemStateTable		Table	systemStateTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemStateCoolingUnitStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.19	OCTET STRING (SIZE(1..128))	systemStateCoolingUnitStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.19	OCTET STRING (SIZE(1..128))	
systemStateCoolingDeviceStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.20	OCTET STRING (SIZE(1..128))	systemStateCoolingDeviceStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.20	OCTET STRING (SIZE(1..128))	
systemStateCoolingDeviceStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.21	DellStatus	systemStateCoolingDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.21	ObjectStatusEnum	
systemStateCoolingDeviceStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.22	OCTET STRING (SIZE(1..128))	systemStateCoolingDeviceStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.22	OCTET STRING (SIZE(1..128))	
systemStateTemperatureStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.23	OCTET STRING (SIZE(1..128))	systemStateTemperatureStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.23	OCTET STRING (SIZE(1..128))	
systemStateTemperatureStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.24	DellStatus	systemStateTemperatureStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.24	ObjectStatusEnum	
systemStateTemperatureStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.25	OCTET STRING (SIZE(1..128))	systemStateTemperatureStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.25	OCTET STRING (SIZE(1..128))	
systemStateMemoryDeviceStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.26	OCTET STRING (SIZE(1..128))	systemStateMemoryDeviceStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.26	OCTET STRING (SIZE(1..128))	
systemStateMemoryDeviceStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.27	DellStatus	systemStateMemoryDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.27	ObjectStatusEnum	
systemStateMemoryDeviceStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.28	OCTET STRING (SIZE(1..128))	systemStateMemoryDeviceStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.28	OCTET STRING (SIZE(1..128))	
systemStateChassisIntrusionStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.29	OCTET STRING (SIZE(1..128))	systemStateChassisIntrusionStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.29	OCTET STRING (SIZE(1..128))	

OMSA			iDRAC			Comments
Group	systemStateGroup		Group	systemStateGroup		
Table	systemStateTable		Table	systemStateTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemStateChassisIntrusionStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.30	DellStatus	systemStateChassisIntrusionStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.30	ObjectStatusEnum	
systemStateChassisIntrusionStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.31	OCTET STRING (SIZE(1..128))	systemStateChassisIntrusionStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.31	OCTET STRING (SIZE(1..128))	
systemStateACPowerSwitchStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.32	OCTET STRING (SIZE(1..128))	Not Available in iDRAC			
systemStateACPowerSwitchStatusRedundancy	1.3.6.1.4.1.674.10892.1.200.1.0.1.33	DellStatusRedundancy	Not Available in iDRAC			
systemStateACPowerSwitchStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.34	OCTET STRING (SIZE(1..128))	Not Available in iDRAC			
systemStateACPowerCordStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.35	OCTET STRING (SIZE(1..128))	Not Available in iDRAC			
systemStateACPowerCordStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.36	DellStatus	Not Available in iDRAC			
systemStateACPowerCordStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.37	OCTET STRING (SIZE(1..128))	Not Available in iDRAC			
systemStateRedundantMemoryUnitStateDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.38	OCTET STRING (SIZE(1..128))	Not Available in iDRAC			
systemStateRedundantMemoryUnitStatusRedundancy	1.3.6.1.4.1.674.10892.1.200.1.0.1.39	DellStatusRedundancy	Not Available in iDRAC			
systemStateRedundantMemoryUnitStatusDetails	1.3.6.1.4.1.674.10892.1.200.1.0.1.40	OCTET STRING (SIZE(1..128))	Not Available in iDRAC			
systemStateEventLogStatus	1.3.6.1.4.1.674.10892.1.200.1.0.1.41	DellStatus	Not Available in iDRAC			

OMSA			iDRAC			Comments
Group	systemStateGroup		Group	systemStateGroup		
Table	systemStateTable		Table	systemStateTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemStatePowerUnitStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.42	DellStatus	systemStatePowerUnitStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.42	ObjectStatusEnum	
systemStatePowerUnitStatusList	1.3.6.1.4.1.674.10892.1.200.1.0.1.43	OCTET STRING (SIZE(1..128))	systemStatePowerUnitStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.43	OCTET STRING (SIZE(1..128))	
systemStateCoolingUnitStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.44	DellStatus	systemStateCoolingUnitStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.44	ObjectStatusEnum	
systemStateCoolingUnitStatusList	1.3.6.1.4.1.674.10892.1.200.1.0.1.45	OCTET STRING (SIZE(1..128))	systemStateCoolingUnitStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.45	OCTET STRING (SIZE(1..128))	
systemStateACPowerSwitchStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.46	DellStatus	Not Available in iDRAC			
systemStateACPowerSwitchStatusList	1.3.6.1.4.1.674.10892.1.200.1.0.1.47	OCTET STRING (SIZE(1..128))	Not Available in iDRAC			
systemStateRedundantMemoryUnitStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.48	DellStatus	Not Available in iDRAC			
systemStateRedundantMemoryUnitStatusList	1.3.6.1.4.1.674.10892.1.200.1.0.1.49	OCTET STRING (SIZE(1..128))	Not Available in iDRAC			
systemStateProcessorDeviceStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.50	DellStatus	systemStateProcessorDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.50	ObjectStatusEnum	
systemStateProcessorDeviceStatusList	1.3.6.1.4.1.674.10892.1.200.1.0.1.51	OCTET STRING (SIZE(1..128))	systemStateProcessorDeviceStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.51	OCTET STRING (SIZE(1..128))	
systemStateBatteryStatusCombined	1.3.6.1.4.1.674.10892.1.200.1.0.1.52	DellStatus	systemStateBatteryStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.52	ObjectStatusEnum	
systemStateBatteryStatusList	1.3.6.1.4.1.674.10892.1.200.1.0.1.53	OCTET STRING (SIZE(1..128))	systemStateBatteryStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.53	OCTET STRING (SIZE(1..128))	

OMSA			iDRAC			Comments
Group	systemStateGroup		Group	systemStateGroup		
Table	systemStateTable		Table	systemStateTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemStateSDCardUnitStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.54	DellStatus	systemStateSDCardUnitStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.54	OCTET STRING (SIZE(1..128))	
systemStateSDCardUnitStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.55	OCTET STRING (SIZE(1..128))	systemStateSDCardUnitStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.55	OCTET STRING (SIZE(1..128))	
systemStateSDCardDeviceStatusCombined	1.3.6.1.4.1.674.10892.1.200.10.1.56	DellStatus	systemStateSDCardDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.56	ObjectStatusEnum	
systemStateSDCardDeviceStatusList	1.3.6.1.4.1.674.10892.1.200.10.1.57	OCTET STRING (SIZE(1..128))	systemStateSDCardDeviceStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.57	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateIDSDMCardUnitStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.58	ObjectStatusEnum	
Not Available in OMSA			systemStateIDSDMCardUnitStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.59	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateIDSDMCardDeviceStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.60	ObjectStatusEnum	
Not Available in OMSA			systemStateIDSDMCardDeviceStatusList	1.3.6.1.4.1.674.10892.5.4.200.10.1.61	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateTemperatureStatisticsStateDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.62	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateTemperatureStatisticsStatusCombined	1.3.6.1.4.1.674.10892.5.4.200.10.1.63	ObjectStatusEnum	
Not Available in OMSA			systemStateTemperatureStatisticsStatusDetails	1.3.6.1.4.1.674.10892.5.4.200.10.1.64	OCTET STRING (SIZE(1..128))	
Not Available in OMSA			systemStateCMCStatus	1.3.6.1.4.1.674.10892.5.4.200.10.1.65	ObjectStatusEnum	

Table 4. chassisInformationGroup

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
Not Available in OMSA			numEventLogEntries	1.3.6.1.4.1.674.10892.5.4.300.1.0	Unsigned32BitRange	
Not Available in OMSA			numLCLogEntries	1.3.6.1.4.1.674.10892.5.4.300.2.0	Unsigned32BitRange	

Table 5. chassisInformationGroup/chassisInformationTable

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	chassisInformationTable		Table	chassisInformationTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
chassisIndexChassisInformation	1.3.6.1.4.1.674.10892.1.300.10.1.1	DellObjectRange	chassisIndexChassisInformation	1.3.6.1.4.1.674.10892.5.4.300.10.1.1	ObjectRange	
chassisStateCapabilities	1.3.6.1.4.1.674.10892.1.300.10.1.2	DellStateCapabilities	chassisStateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.10.1.2	StateCapabilitiesFlags	
chassisStateSettings	1.3.6.1.4.1.674.10892.1.300.10.1.3	DellStateSettings	chassisStateSettings	1.3.6.1.4.1.674.10892.5.4.300.10.1.3	StateSettingsFlags	
chassisStatus	1.3.6.1.4.1.674.10892.1.300.10.1.4	DellStatus	chassisStatus	1.3.6.1.4.1.674.10892.5.4.300.10.1.4	ObjectStatusEnum	
chassisparentIndexReference	1.3.6.1.4.1.674.10892.1.300.10.1.5	DellObjectRange	chassisparentIndexReference	1.3.6.1.4.1.674.10892.5.4.300.10.1.5	ObjectRange	
chassisType	1.3.6.1.4.1.674.10892.1.300.10.1.6	DellChassisType	chassisType	1.3.6.1.4.1.674.10892.5.4.300.10.1.6	ChassisTypeEnum	
chassisName	1.3.6.1.4.1.674.10892.1.300.10.1.7	DellString	chassisName	1.3.6.1.4.1.674.10892.5.4.300.10.1.7	String64	
chassisManufacturerName	1.3.6.1.4.1.674.10892.1.300.10.1.8	DellString	chassisManufacturerName	1.3.6.1.4.1.674.10892.5.4.300.10.1.8	String64	
chassisModelName	1.3.6.1.4.1.674.10892.1.300.10.1.9	DellString	chassisModelTypeName	1.3.6.1.4.1.674.10892.5.4.300.10.1.9	String64	Attribute was renamed in iDRAC MIB.
chassisAssetTagName	1.3.6.1.4.1.674.10892.1.300.10.1.10	DisplayString (SIZE (0..10))	chassisAssetTagName	1.3.6.1.4.1.674.10892.5.4.300.10.1.10	DisplayString (SIZE (0..10))	If the AssetTag is Not Available in iDRAC, OMSA shows the value as 'Unknown' and then iDRAC shows an empty string.
chassisServiceTagName	1.3.6.1.4.1.674.10892.1.300.10.1.11	DisplayString (SIZE (0..7))	chassisServiceTagName	1.3.6.1.4.1.674.10892.5.4.300.10.1.11	DisplayString (SIZE (0..7))	
chassisID	1.3.6.1.4.1.674.10892.1.300.10.1.12	DellUnsigned8BitRange	chassisID	1.3.6.1.4.1.674.10892.5.4.300.10.1.12	Unsigned8BitRange	
chassisIDExtension	1.3.6.1.4.1.674.10892.1.300.10.1.13	DellUnsigned16BitRange	chassisIDExtension	1.3.6.1.4.1.674.10892.5.4.300.10.1.13	Unsigned16BitRange	
chassisSystemClass	1.3.6.1.4.1.674.10892.1.300.10.1.14	DellChassisSystemClass	chassisSystemClass	1.3.6.1.4.1.674.10892.5.4.300.10.1.14	ChassisSystemClassEnum	

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	chassisInformationTable		Table	chassisInformationTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
chassisSystemName	1.3.6.1.4.1.674.10892.1.300.10.1.15	DellString	chassisSystemName	1.3.6.1.4.1.674.10892.5.4.300.10.1.15	String64	
chassisSystemBootDateName	1.3.6.1.4.1.674.10892.1.300.10.1.16	DellDateName	Not Available in iDRAC			
chassisSystemDateName	1.3.6.1.4.1.674.10892.1.300.10.1.17	DellDateName	Not Available in iDRAC			
chassisSystemLocationName	1.3.6.1.4.1.674.10892.1.300.10.1.18	DellString	Not Available in iDRAC			
chassisSystemPrimaryUserName	1.3.6.1.4.1.674.10892.1.300.10.1.19	DellString	Not Available in iDRAC			
chassisSystemUserPhoneNumberName	1.3.6.1.4.1.674.10892.1.300.10.1.20	DellString	Not Available in iDRAC			
chassisConnectionStatusUnique	1.3.6.1.4.1.674.10892.1.300.10.1.21	DellConnectionStatus	Not Available in iDRAC			
chassisFanControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.22	DellFanControlCapabilities	Not Available in iDRAC			
chassisFanControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.23	DellFanControlSettings	Not Available in iDRAC			
chassisLEDControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.24	DellLEDControlCapabilities	chassisLEDControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.24	LEDControlCapabilitiesFlags	
chassisLEDControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.25	DellLEDControlSettings	chassisLEDControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.300.10.1.25	LEDControlSettingsFlags	
chassisHDFaultClearControlCapabilities	1.3.6.1.4.1.674.10892.1.300.10.1.26	DellHDFaultLEDControlCapabilities	Not Available in iDRAC			
chassisHDFaultClearControlSettings	1.3.6.1.4.1.674.10892.1.300.10.1.27	DellHDFaultLEDControlSettings	Not Available in iDRAC			
chassisIdentifyFlashControlCapabilities	1.3.6.1.4.1.674.10892.1.300.10.1.28	DellChassisIdentifyControlCapabilities	chassisIdentifyFlashControlCapabilities	1.3.6.1.4.1.674.10892.5.4.300.10.1.28	ChassisIdentifyControlCapabilitiesFlags	

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	chassisInformationTable		Table	chassisInformationTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
chassisIdentifyFlashControlSettings	1.3.6.1.4.1.674.10892.1.300.10.1.29	DellChassisIdentifyControlSettings	chassisIdentifyFlashControlSettings	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.29	ChassisIdentifyControlSettingsFlags	
chassisLockPresent	1.3.6.1.4.1.674.10892.1.300.10.1.30	DellBoolean	chassisLockPresent	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.30	BooleanType	
chassishostControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.31	DellHostControlCapabilities	chassishostControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.31	HostControlCapabilitiesFlags	
chassishostControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.32	DellHostControlSettings	chassishostControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.32	HostControlSettingsFlags	
chassiswatchDogControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.33	DellWatchDogControlCapabilities	chassiswatchDogControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.33	WatchDogControlCapabilitiesFlags	
chassiswatchDogControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.34	DellWatchDogControlSettings	chassiswatchDogControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.34	WatchControlSettingsFlags	
chassiswatchDogControlExpiryTimeCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.35	DellWatchDogTimerCapabilities	chassiswatchDogControlExpiryTimeCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.35	WatchDogTimerCapabilitiesFlags	
chassiswatchDogControlExpiryTime	1.3.6.1.4.1.674.10892.1.300.10.1.36	DellUnsigned16BitRange	chassiswatchDogControlExpiryTime	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.36	Unsigned16BitRange	
chassisallowSETCommandsfromSNMP	1.3.6.1.4.1.674.10892.1.300.10.1.37	DellBoolean	Not Available in iDRAC			
chassisPowerButtonControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.38	DellPowerButtonControlCapabilities	chassisPowerButtonControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.38	PowerButtonControlCapabilitiesFlags	
chassisPowerButtonControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.39	DellPowerButtonControlSettings	chassisPowerButtonControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.39	PowerButtonControlSettingsFlags	
chassisResellerName	1.3.6.1.4.1.674.10892.1.300.10.1.40	DisplayString (SIZE (0..128))	Not Available in iDRAC			
chassisResellerContactInformationName	1.3.6.1.4.1.674.10892.1.300.10.1.41	DisplayString (SIZE (0..128))	Not Available in iDRAC			

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	chassisInformationTable		Table	chassisInformationTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
chassisResellerProduct Name	1.3.6.1.4.1.674.10892.1.300.10.1.42	DisplayString (SIZE (0..128))	Not Available in iDRAC			
chassisResellerSystemID	1.3.6.1.4.1.674.10892.1.300.10.1.43	DellUnsigned16BitRange	Not Available in iDRAC			
chassisNMIButtonControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.10.1.44	DellNMIButtonControlCapabilities	chassisNMIButtonControlCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.44	NMIButtonControlCapabilitiesFlags	
chassisNMIButtonControlSettingsUnique	1.3.6.1.4.1.674.10892.1.300.10.1.45	DellNMIButtonControlSettings	chassisNMIButtonControlSettingsUnique	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.45	NMIButtonControlSettingsFlags	
chassisSystemProperties	1.3.6.1.4.1.674.10892.1.300.10.1.46	DellSystemProperties	chassisSystemProperties	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.46	SystemPropertiesFlags	
chassisSystemRevisionNumber	1.3.6.1.4.1.674.10892.1.300.10.1.47	DellUnsigned8BitRange	chassisSystemRevisionNumber	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.47	Unsigned8BitRange	
chassisSystemRevisionName	1.3.6.1.4.1.674.10892.1.300.10.1.48	DellString	chassisSystemRevisionName	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.48	String64	
chassisExpressServiceCodeName	1.3.6.1.4.1.674.10892.1.300.10.1.49	DellString	chassisExpressServiceCodeName	1.3.6.1.4.1.674.10892.5.4.30.0.10.1.49	String64	

Table 6. chassisInformationGroup/eventLogTable

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	eventLogTable		Table	eventLogTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
eventLogchassisIndex	1.3.6.1.4.1.674.10892.1.300.40.1.1	DellObjectRange	eventLogchassisIndex	1.3.6.1.4.1.674.10892.5.4.300.40.1.1	ObjectRange	
eventLogRecordIndex	1.3.6.1.4.1.674.10892.1.300.40.1.2	DellUnsigned32BitRange,	eventLogRecordIndex	1.3.6.1.4.1.674.10892.5.4.300.40.1.2	Unsigned32BitRange	
eventLogStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.300.40.1.3	DellStateCapabilitiesLogUnique,	eventLogStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.300.40.1.3	StateCapabilitiesLogUniqueFlags	
eventLogStateSettingsUnique	1.3.6.1.4.1.674.10892.1.300.40.1.4	DellStateSettingsLogUnique,	eventLogStateSettingsUnique	1.3.6.1.4.1.674.10892.5.4.300.40.1.4	StateSettingsLogUniqueFlags	
eventLogRecord	1.3.6.1.4.1.674.10892.1.300.40.1.5	DisplayString (SIZE (0..1024)),	eventLogRecord	1.3.6.1.4.1.674.10892.5.4.300.40.1.5	DisplayString (SIZE (0..1024)),	
eventLogFormat	1.3.6.1.4.1.674.10892.1.300.40.1.6	DellLogFormat,	eventLogFormat	1.3.6.1.4.1.674.10892.5.4.300.40.1.6	LogFormatType	
eventLogSeverityStatus	1.3.6.1.4.1.674.10892.1.300.40.1.7	DellStatus	eventLogSeverityStatus	1.3.6.1.4.1.674.10892.5.4.300.40.1.7	ObjectStatusEnum	
eventLogDateName	1.3.6.1.4.1.674.10892.1.300.40.1.8	DellDateName	eventLogDateName	1.3.6.1.4.1.674.10892.5.4.300.40.1.8	DateName	Differences may be seen between iDRAC and OMSA values because of time zone differences

Table 7. chassisInformationGroup/systemBIOSTable

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	systemBIOSTable		Table	systemBIOSTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemBIOSchassisIndex	1.3.6.1.4.1.674.10892.1.300.50.1.1	DellObjectRange	systemBIOSchassisIndex	1.3.6.1.4.1.674.10892.5.4.300.50.1.1	ObjectRange	
systemBIOSIndex	1.3.6.1.4.1.674.10892.1.300.50.1.2	DellObjectRange	systemBIOSIndex	1.3.6.1.4.1.674.10892.5.4.300.50.1.2	ObjectRange	
systemBIOSStateCapabilities	1.3.6.1.4.1.674.10892.1.300.50.1.3	DellStateCapabilities	systemBIOSStateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.50.1.3	StateCapabilitiesFlags	
systemBIOSStateSettings	1.3.6.1.4.1.674.10892.1.300.50.1.4	DellStateSettings	systemBIOSStateSettings	1.3.6.1.4.1.674.10892.5.4.300.50.1.4	StateSettingsFlags	
systemBIOSStatus	1.3.6.1.4.1.674.10892.1.300.50.1.5	DellStatus	systemBIOSStatus	1.3.6.1.4.1.674.10892.5.4.300.50.1.5	ObjectStatusEnum	
systemBIOSSize	1.3.6.1.4.1.674.10892.1.300.50.1.6	DellUnsigned32BitRange	Not Available in iDRAC			
systemBIOSReleaseDateName	1.3.6.1.4.1.674.10892.1.300.50.1.7	DellDateName	systemBIOSReleaseDateName	1.3.6.1.4.1.674.10892.5.4.300.50.1.7	DateName	For this attribute, the iDRAC date format is: Month/Day/Year.
systemBIOSVersionName	1.3.6.1.4.1.674.10892.1.300.50.1.8	DellString	systemBIOSVersionName	1.3.6.1.4.1.674.10892.5.4.300.50.1.8	String64	
systemBIOSStartingAddress	1.3.6.1.4.1.674.10892.1.300.50.1.9	DellUnsigned64BitRange	Not Available in iDRAC			
systemBIOSEndingAddress	1.3.6.1.4.1.674.10892.1.300.50.1.10	DellUnsigned64BitRange	Not Available in iDRAC			
systemBIOSManufacturerName	1.3.6.1.4.1.674.10892.1.300.50.1.11	DellString	systemBIOSManufacturerName	1.3.6.1.4.1.674.10892.5.4.300.50.1.11	String64	
systemBIOSCharacteristics	1.3.6.1.4.1.674.10892.1.300.50.1.12	DellUnsigned64BitRange	Not Available in iDRAC			
systemBIOSCharacteristicsExt1	1.3.6.1.4.1.674.10892.1.300.50.1.13	DellUnsigned8BitRange	Not Available in iDRAC			
systemBIOSCharacteristicsExt2	1.3.6.1.4.1.674.10892.1.300.50.1.14	DellUnsigned8BitRange	Not Available in iDRAC			

Table 8. chassisInformationGroup/firmwareTable

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	firmwareTable		Table	firmwareTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
firmwarechassisIndex	1.3.6.1.4.1.674.10892.1.300.60.1.1	DellObjectRange	firmwarechassisIndex	1.3.6.1.4.1.674.10892.5.4.300.60.1.1	ObjectRange	
firmwareIndex	1.3.6.1.4.1.674.10892.1.300.60.1.2	DellObjectRange	firmwareIndex	1.3.6.1.4.1.674.10892.5.4.300.60.1.2	ObjectRange	
firmwareStateCapabilities	1.3.6.1.4.1.674.10892.1.300.60.1.3	DellStateCapabilities	firmwareStateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.60.1.3	StateCapabilitiesFlags	
firmwareStateSettings	1.3.6.1.4.1.674.10892.1.300.60.1.4	DellStateSettings	firmwareStateSettings	1.3.6.1.4.1.674.10892.5.4.300.60.1.4	StateSettingsFlags	
firmwareStatus	1.3.6.1.4.1.674.10892.1.300.60.1.5	DellStatus	firmwareStatus	1.3.6.1.4.1.674.10892.5.4.300.60.1.5	ObjectStatusEnum	
firmwareSize	1.3.6.1.4.1.674.10892.1.300.60.1.6	DellUnsigned16BitRange	firmwareSize	1.3.6.1.4.1.674.10892.5.4.300.60.1.6	Unsigned16BitRange	
firmwareType	1.3.6.1.4.1.674.10892.1.300.60.1.7	DellFirmwareType	firmwareType	1.3.6.1.4.1.674.10892.5.4.300.60.1.7	FirmwareType	
firmwareTypeName	1.3.6.1.4.1.674.10892.1.300.60.1.8	DellString	firmwareTypeName	1.3.6.1.4.1.674.10892.5.4.300.60.1.8	String64	
firmwareUpdateCapabilities	1.3.6.1.4.1.674.10892.1.300.60.1.9	DellUnsigned16BitRange	firmwareUpdateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.60.1.9	Unsigned16BitRange	
firmwareDateName	1.3.6.1.4.1.674.10892.1.300.60.1.10	OCTET STRING (SIZE(8))	Not Available in iDRAC			
firmwareVersionName	1.3.6.1.4.1.674.10892.1.300.60.1.11	DellString	firmwareVersionName	1.3.6.1.4.1.674.10892.5.4.300.60.1.11	String64	

Table 9. chassisInformationGroup/intrusionTable

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Table	intrusionTable		Table	intrusionTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
intrusionchassisIndex	1.3.6.1.4.1.674.10892.1.300.70.1.1	DellObjectRange	intrusionchassisIndex	1.3.6.1.4.1.674.10892.5.4.300.70.1.1	ObjectRange	
intrusionIndex	1.3.6.1.4.1.674.10892.1.300.70.1.2	DellObjectRange	intrusionIndex	1.3.6.1.4.1.674.10892.5.4.300.70.1.2	ObjectRange	
intrusionStateCapabilities	1.3.6.1.4.1.674.10892.1.300.70.1.3	DellStateCapabilities	intrusionStateCapabilities	1.3.6.1.4.1.674.10892.5.4.300.70.1.3	StateCapabilitiesFlags	
intrusionStateSettings	1.3.6.1.4.1.674.10892.1.300.70.1.4	DellStateSettings	intrusionStateSettings	1.3.6.1.4.1.674.10892.5.4.300.70.1.4	StateSettingsFlags	
intrusionStatus	1.3.6.1.4.1.674.10892.1.300.70.1.5	DellStatus	intrusionStatus	1.3.6.1.4.1.674.10892.5.4.300.70.1.5	ObjectStatusEnum	
intrusionReading	1.3.6.1.4.1.674.10892.1.300.70.1.6	DellIntrusionReading	intrusionReading	1.3.6.1.4.1.674.10892.5.4.300.70.1.6	IntrusionReadingEnum	
intrusionType	1.3.6.1.4.1.674.10892.1.300.70.1.7	DellIntrusionType	intrusionType	1.3.6.1.4.1.674.10892.5.4.300.70.1.7	IntrusionTypeEnum	
intrusionLocationName	1.3.6.1.4.1.674.10892.1.300.70.1.8	DellString	intrusionLocationName	1.3.6.1.4.1.674.10892.5.4.300.70.1.8	String64	

Table 10. iDRAC chassisInformationGroup/icLogTable

OMSA			iDRAC			Comments
Group	chassisInformationGroup		Group	chassisInformationGroup		
Not Available in OMSA			Table	lcLogTable		New table in iDRAC.
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
			lcLogChassisIndex	1.3.6.1.4.1.674.10892.5.4.300.90.1.1	ObjectRange	
			lcLogRecordIndex	1.3.6.1.4.1.674.10892.5.4.300.90.1.2	Unsigned32BitRange	
			lcLogSequenceNumber	1.3.6.1.4.1.674.10892.5.4.300.90.1.3	Unsigned32BitRange	
			lcLogCategory	1.3.6.1.4.1.674.10892.5.4.300.90.1.4	LcLogCategoryEnum	
			lcLogSeverityStatus	1.3.6.1.4.1.674.10892.5.4.300.90.1.5	ObjectStatusEnum	
			lcLogDateName	1.3.6.1.4.1.674.10892.5.4.300.90.1.6	DateName	
			lcLogFQDD	1.3.6.1.4.1.674.10892.5.4.300.90.1.7	FQDDString	
			lcLogMessageID	1.3.6.1.4.1.674.10892.5.4.300.90.1.8	DisplayString (SIZE (0..8))	
			lcLogMessage	1.3.6.1.4.1.674.10892.5.4.300.90.1.9	DisplayString (SIZE (0..512))	
			lcLogDetailedDescription	1.3.6.1.4.1.674.10892.5.4.300.90.1.10	DisplayString (SIZE (0..2048))	
			lcLogRecommendedAction	1.3.6.1.4.1.674.10892.5.4.300.90.1.11	DisplayString (SIZE (0..2048))	
			lcLogComment	1.3.6.1.4.1.674.10892.5.4.300.90.1.12	DisplayString (SIZE (0..128))	

Table 11. powerGroup/powerUnit Table

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	powerUnitTable		Table	powerUnitTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
powerUnitchassisIndex	1.3.6.1.4.1.674.10892.1.600.10.1.1	DellObjectRange	powerUnitchassisIndex	1.3.6.1.4.1.674.10892.5.4.600.10.1.1	ObjectRange	
powerUnitIndex	1.3.6.1.4.1.674.10892.1.600.10.1.2	DellObjectRange	powerUnitIndex	1.3.6.1.4.1.674.10892.5.4.600.10.1.2	ObjectRange	
powerUnitStateCapabilities	1.3.6.1.4.1.674.10892.1.600.10.1.3	DellStateCapabilities	powerUnitStateCapabilities	1.3.6.1.4.1.674.10892.5.4.600.10.1.3	StateCapabilitiesFlags	
powerUnitStateSettings	1.3.6.1.4.1.674.10892.1.600.10.1.4	DellStateSettings	powerUnitStateSettings	1.3.6.1.4.1.674.10892.5.4.600.10.1.4	StateSettingsFlags	
powerUnitRedundancyStatus	1.3.6.1.4.1.674.10892.1.600.10.1.5	DellStatusRedundancy	powerUnitRedundancyStatus	1.3.6.1.4.1.674.10892.5.4.600.10.1.5	StatusRedundancyEnum	
powerSupplyCountForRedundancy	1.3.6.1.4.1.674.10892.1.600.10.1.6	DellObjectRange	powerSupplyCountForRedundancy	1.3.6.1.4.1.674.10892.5.4.600.10.1.6	ObjectRange	
powerUnitName	1.3.6.1.4.1.674.10892.1.600.10.1.7	DellString	powerUnitName	1.3.6.1.4.1.674.10892.5.4.600.10.1.7	String64	
powerUnitStatus	1.3.6.1.4.1.674.10892.1.600.10.1.8	DellStatus	powerUnitStatus	1.3.6.1.4.1.674.10892.5.4.600.10.1.8	ObjectStatusEnum	

Table 12. powerGroup/powerSupplyTable

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	powerSupplyTable		Table	powerSupplyTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
powerSupplychassisIndex	1.3.6.1.4.1.674.10892.1.600.12.1.1	DellObjectRange	powerSupplychassisIndex	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.1	ObjectRange	
powerSupplyIndex	1.3.6.1.4.1.674.10892.1.600.12.1.2	DellObjectRange	powerSupplyIndex	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.2	ObjectRange	
powerSupplyStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.600.12.1.3	DellPowerSupplyStateCapabilitiesUnique	powerSupplyStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.3	PowerSupplyStateCapabilitiesUniqueFlags	
powerSupplyStateSettingsUnique	1.3.6.1.4.1.674.10892.1.600.12.1.4	DellPowerSupplyStateSettingsUnique	powerSupplyStateSettingsUnique	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.4	PowerSupplyStateSettingsUniqueFlags	
powerSupplyStatus	1.3.6.1.4.1.674.10892.1.600.12.1.5	DellStatus	powerSupplyStatus	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.5	ObjectStatusEnum	
powerSupplyOutputWatts	1.3.6.1.4.1.674.10892.1.600.12.1.6	DellSigned32BitRange	powerSupplyOutputWatts	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.6	Signed32BitRange	
powerSupplyType	1.3.6.1.4.1.674.10892.1.600.12.1.7	DellPowerSupplyType	powerSupplyType	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.7	PowerSupplyTypeEnum	
powerSupplyLocationName	1.3.6.1.4.1.674.10892.1.600.12.1.8	DellString	powerSupplyLocationName	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.8	String64	
powerSupplyInputVoltage	1.3.6.1.4.1.674.10892.1.600.12.1.9	DellSigned32BitRange	powerSupplyInputVoltage	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.9	Signed32BitRange	
powerSupplyPowerUnitIndexReference	1.3.6.1.4.1.674.10892.1.600.12.1.10	DellObjectRange	powerSupplyPowerUnitIndexReference	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.10	ObjectRange	
powerSupplySensorState	1.3.6.1.4.1.674.10892.1.600.12.1.11	DellPowerSupplySensorState	powerSupplySensorState	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.11	PowerSupplySensorStateFlags	

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	powerSupplyTable		Table	powerSupplyTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
powerSupplyConfigurationErrorType	1.3.6.1.4.1.674.10892.1.600.12.1.12	DellPowerSupplyConfigurationErrorType	powerSupplyConfigurationErrorType	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.12	PowerSupplyConfigurationErrorTypeEnum	
powerSupplyPowerMonitorCapable	1.3.6.1.4.1.674.10892.1.600.12.1.13	DellBoolean	powerSupplyPowerMonitorCapable	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.13	BooleanType	
powerSupplyRatedInputWattage	1.3.6.1.4.1.674.10892.1.600.12.1.14	DellSigned32BitRange	powerSupplyRatedInputWattage	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.14	Signed32BitRange	
Not Available in OMSA			powerSupplyFQDD	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.15	FQDDString	
Not Available in OMSA			powerSupplyCurrentInputVoltage	1.3.6.1.4.1.674.10892.5.4.60.0.12.1.16	Signed32BitRange	

Table 13. powerGroup/voltageProbeTable

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	voltageProbeTable		Table	voltageProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
voltageProbeChassisIndex	1.3.6.1.4.1.674.10892.1.600.20.1.1	DellObjectRange	voltageProbeChassisIndex	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.1	ObjectRange	
voltageProbeIndex	1.3.6.1.4.1.674.10892.1.600.20.1.2	DellObjectRange	voltageProbeIndex	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.2	ObjectRange	
voltageProbeStateCapabilities	1.3.6.1.4.1.674.10892.1.600.20.1.3	DellStateCapabilities	voltageProbeStateCapabilities	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.3	StateCapabilitiesFlags	
voltageProbeStateSettings	1.3.6.1.4.1.674.10892.1.600.20.1.4	DellStateSettings	voltageProbeStateSettings	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.4	StateSettingsFlags	
voltageProbeStatus	1.3.6.1.4.1.674.10892.1.600.20.1.5	DellStatusProbe	voltageProbeStatus	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.5	StatusProbeEnum	

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	voltageProbeTable		Table	voltageProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
voltageProbeReading	1.3.6.1.4.1.674.10892.1.600.20.1.6	DellSigned32BitRange	voltageProbeReading	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.6	Signed32BitRange	(Data is: AC input volts) Differences may be seen between iDRAC & OMSA because in OMSA, data is cached, while in iDRAC, it is not cached
voltageProbeType	1.3.6.1.4.1.674.10892.1.600.20.1.7	DellVoltageType	voltageProbeType	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.7	VoltageTypeEnum	Differences may be seen between iDRAC and OMSA values because of the underlying differences in the implementations of the iDRAC firmware and the OMSA application
voltageProbeLocationName	1.3.6.1.4.1.674.10892.1.600.20.1.8	DellString	voltageProbeLocationName	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.8	String64	
voltageProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.9	DellSigned32BitRange	voltageProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.9	Signed32BitRange	
voltageProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.10	DellSigned32BitRange	voltageProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.10	Signed32BitRange	
voltageProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.11	DellSigned32BitRange	voltageProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.11	Signed32BitRange	
voltageProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.12	DellSigned32BitRange	voltageProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.20.1.12	Signed32BitRange	

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	voltageProbeTable		Table	voltageProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
voltageProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.13	DellSigned32BitRange	voltageProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.600.20.1.13	Signed32BitRange	
voltageProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.600.20.1.14	DellSigned32BitRange	voltageProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.600.20.1.14	Signed32BitRange	
voltageProbeProbeCapabilities	1.3.6.1.4.1.674.10892.1.600.20.1.15	DellProbeCapabilities	voltageProbeProbeCapabilities	1.3.6.1.4.1.674.10892.5.4.600.20.1.15	ProbeCapabilitiesFlags	
voltageProbeDiscreteReading	1.3.6.1.4.1.674.10892.1.600.20.1.16	DellVoltageDiscreteReading	voltageProbeDiscreteReading	1.3.6.1.4.1.674.10892.5.4.600.20.1.16	VoltageDiscreteReadingEnum	

Table 14. powerGroup/amperageProbeTable

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	amperageProbeTable		Table	amperageProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
amperageProbeChassisIndex	1.3.6.1.4.1.674.10892.1.600.30.1.1	DellObjectRange	amperageProbeChassisIndex	1.3.6.1.4.1.674.10892.5.4.600.30.1.1	ObjectRange	
amperageProbeIndex	1.3.6.1.4.1.674.10892.1.600.30.1.2	DellObjectRange	amperageProbeIndex	1.3.6.1.4.1.674.10892.5.4.600.30.1.2	ObjectRange	
amperageProbeStateCapabilities	1.3.6.1.4.1.674.10892.1.600.30.1.3	DellStateCapabilities	amperageProbeStateCapabilities	1.3.6.1.4.1.674.10892.5.4.600.30.1.3	StateCapabilitiesFlags	
amperageProbeStateSettings	1.3.6.1.4.1.674.10892.1.600.30.1.4	DellStateSettings	amperageProbeStateSettings	1.3.6.1.4.1.674.10892.5.4.600.30.1.4	StateSettingsFlags	
amperageProbeStatus	1.3.6.1.4.1.674.10892.1.600.30.1.5	DellStatusProbe	amperageProbeStatus	1.3.6.1.4.1.674.10892.5.4.600.30.1.5	StatusProbeEnum	
amperageProbeReading	1.3.6.1.4.1.674.10892.1.600.30.1.6	DellSigned32BitRange	amperageProbeReading	1.3.6.1.4.1.674.10892.5.4.600.30.1.6	Signed32BitRange	

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	amperageProbeTable		Table	amperageProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
amperageProbeType	1.3.6.1.4.1.674.10892.1.600.30.1.7	DellAmperageProbeType	amperageProbeType	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.7	AmperageProbeTypeEnum	Differences may be seen between iDRAC and OMSA values because of the underlying differences in the implementations of the iDRAC firmware and the OMSA application
amperageProbeLocationName	1.3.6.1.4.1.674.10892.1.600.30.1.8	DellString	amperageProbeLocationName	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.8	String64	
amperageProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.9	DellSigned32BitRange	amperageProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.9	Signed32BitRange	
amperageProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.10	DellSigned32BitRange	amperageProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.10	Signed32BitRange	
amperageProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.11	DellSigned32BitRange	amperageProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.11	Signed32BitRange	
amperageProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.12	DellSigned32BitRange	amperageProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.12	Signed32BitRange	
amperageProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.13	DellSigned32BitRange	amperageProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.13	Signed32BitRange	
amperageProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.600.30.1.14	DellSigned32BitRange	amperageProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.14	Signed32BitRange	
amperageProbeProbeCapabilities	1.3.6.1.4.1.674.10892.1.600.30.1.15	DellProbeCapabilities	amperageProbeProbeCapabilities	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.15	ProbeCapabilitiesFlags	
amperageProbeDiscreteReading	1.3.6.1.4.1.674.10892.1.600.30.1.16	DellAmperageDiscreteReading	amperageProbeDiscreteReading	1.3.6.1.4.1.674.10892.5.4.60.0.30.1.16	AmperageDiscreteReadingEnum	

Table 15. OMSA powerGroup batteryTable and iDRAC powerGroup systemBatteryTable

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	batteryTable		Table	systemBatteryTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
batteryChassisIndex	1.3.6.1.4.1.674.10892.1.600.50.1.1	DellObjectRange	systemBatteryChassisIndex	1.3.6.1.4.1.674.10892.5.4.60.0.50.1.1	ObjectRange	
batteryIndex	1.3.6.1.4.1.674.10892.1.600.50.1.2	DellObjectRange	systemBatteryIndex	1.3.6.1.4.1.674.10892.5.4.60.0.50.1.2	ObjectRange	
batteryStateCapabilities	1.3.6.1.4.1.674.10892.1.600.50.1.3	DellStateCapabilities	systemBatteryStateCapabilities	1.3.6.1.4.1.674.10892.5.4.60.0.50.1.3	StateCapabilitiesFlags	
batteryStateSettings	1.3.6.1.4.1.674.10892.1.600.50.1.4	DellStateSettings	systemBatteryStateSettings	1.3.6.1.4.1.674.10892.5.4.60.0.50.1.4	StateSettingsFlags	
batteryStatus	1.3.6.1.4.1.674.10892.1.600.50.1.5	DellStatus	systemBatteryStatus	1.3.6.1.4.1.674.10892.5.4.60.0.50.1.5	ObjectStatusEnum	
batteryReading	1.3.6.1.4.1.674.10892.1.600.50.1.6	DellBatteryReading	systemBatteryReading	1.3.6.1.4.1.674.10892.5.4.60.0.50.1.6	SystemBatteryReadingFlags	
batteryLocationName	1.3.6.1.4.1.674.10892.1.600.50.1.7	DellString	systemBatteryLocationName	1.3.6.1.4.1.674.10892.5.4.60.0.50.1.7	String64	

Table 16. powerGroup/powerUsageTable

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	powerUsageTable		Table	powerUsageTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
powerUsageChassisIndex	1.3.6.1.4.1.674.10892.1.600.60.1.1	DellObjectRange	powerUsageChassisIndex	1.3.6.1.4.1.674.10892.5.4.60.0.60.1.1	ObjectRange	

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	powerUsageTable		Table	powerUsageTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
powerUsageIndex	1.3.6.1.4.1.674.10892.1.600.60.1.2	DellObjectRange	powerUsageIndex	1.3.6.1.4.1.674.10892.5.4.60.60.1.2	ObjectRange	
powerUsageStateCapabilities	1.3.6.1.4.1.674.10892.1.600.60.1.3	DellStateCapabilities	powerUsageStateCapabilities	1.3.6.1.4.1.674.10892.5.4.60.60.1.3	StateCapabilitiesFlags	
powerUsageStateSettings	1.3.6.1.4.1.674.10892.1.600.60.1.4	DellStateSettings	powerUsageStateSettings	1.3.6.1.4.1.674.10892.5.4.60.60.1.4	StateSettingsFlags	
powerUsageStatus	1.3.6.1.4.1.674.10892.1.600.60.1.5	DellStatus	powerUsageStatus	1.3.6.1.4.1.674.10892.5.4.60.60.1.5	ObjectStatusEnum	
powerUsageEntityName	1.3.6.1.4.1.674.10892.1.600.60.1.6	DellString	powerUsageEntityName	1.3.6.1.4.1.674.10892.5.4.60.60.1.6	String64	
powerUsageCumulativeWattage	1.3.6.1.4.1.674.10892.1.600.60.1.7	DellUnsigned32BitRange	powerUsageCumulativeWattage	1.3.6.1.4.1.674.10892.5.4.60.60.1.7	Unsigned32BitRange	Differences may be seen between iDRAC and OMSA values because in OMSA the data is cached, while in iDRAC it is not cached
powerUsageCumulativeWattageStartDateName	1.3.6.1.4.1.674.10892.1.600.60.1.8	DellDateName,	powerUsageCumulativeWattageStartDateName	1.3.6.1.4.1.674.10892.5.4.60.60.1.8	DateName	Difference may be seen between iDRAC and OMSA values because of time zone differences
powerUsagePeakWatts	1.3.6.1.4.1.674.10892.1.600.60.1.9	DellUnsigned32BitRange,	powerUsagePeakWatts	1.3.6.1.4.1.674.10892.5.4.60.60.1.9	Unsigned32BitRange	
powerUsagePeakWattsStartDateName	1.3.6.1.4.1.674.10892.1.600.60.1.10	DellDateName,	powerUsagePeakWattsStartDateName	1.3.6.1.4.1.674.10892.5.4.60.60.1.10	DateName	Difference may be seen between iDRAC and OMSA values because of time zone differences
powerUsagePeakWattsReadingDateName	1.3.6.1.4.1.674.10892.1.600.60.1.11	DellDateName,	powerUsagePeakWattsReadingDateName	1.3.6.1.4.1.674.10892.5.4.60.60.1.11	DateName	Difference may be seen between iDRAC and OMSA values because of time zone differences

OMSA			iDRAC			Comments
Group	powerGroup		Group	powerGroup		
Table	powerUsageTable		Table	powerUsageTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
powerUsagePeakAmps	1.3.6.1.4.1.674.10892.1.600.60.1.12	DellUnsigned32BitRange,	powerUsagePeakAmps	1.3.6.1.4.1.674.10892.5.4.60.60.1.12	Unsigned32BitRange	
powerUsagePeakAmpsStartDateName	1.3.6.1.4.1.674.10892.1.600.60.1.13	DellDateName,	powerUsagePeakAmpsStartDateName	1.3.6.1.4.1.674.10892.5.4.60.60.1.13	DateName	Difference may be seen between iDRAC and OMSA values because of time zone differences
powerUsagePeakAmpsReadingDateName	1.3.6.1.4.1.674.10892.1.600.60.1.14	DellDateName,	powerUsagePeakAmpsReadingDateName	1.3.6.1.4.1.674.10892.5.4.60.60.1.14	DateName	Difference may be seen between iDRAC and OMSA values because of time zone differences
powerUsageIdlePower	1.3.6.1.4.1.674.10892.1.600.60.1.15	DellUnsigned32BitRange,	powerUsageIdlePower	1.3.6.1.4.1.674.10892.5.4.60.60.1.15	Unsigned32BitRange	
powerUsageMaxPotentialPower	1.3.6.1.4.1.674.10892.1.600.60.1.16	DellUnsigned32BitRange,	powerUsageMaxPotentialPower	1.3.6.1.4.1.674.10892.5.4.60.60.1.16	Unsigned32BitRange	
powerUsagePowerCapCapabilities	1.3.6.1.4.1.674.10892.1.600.60.1.17	DellPowerCapCapabilities,	powerUsagePowerCapCapabilities	1.3.6.1.4.1.674.10892.5.4.60.60.1.17	PowerCapCapabilitiesFlags	
powerUsagePowerCapSetting	1.3.6.1.4.1.674.10892.1.600.60.1.18	DellPowerCapSetting,	powerUsagePowerCapSetting	1.3.6.1.4.1.674.10892.5.4.60.60.1.18	PowerCapSettingEnum	
powerUsagePowerCapValue	1.3.6.1.4.1.674.10892.1.600.60.1.19	DellUnsigned32BitRange,	powerUsagePowerCapValue	1.3.6.1.4.1.674.10892.5.4.60.60.1.19	Unsigned32BitRange	
powerUsageInstantaneousHeadroom	1.3.6.1.4.1.674.10892.1.600.60.1.20	DellUnsigned32BitRange,	powerUsageInstantaneousHeadroom	1.3.6.1.4.1.674.10892.5.4.60.60.1.20	Unsigned32BitRange	Differences may be seen between iDRAC and OMSA because in OMSA, data is cached, while in iDRAC, it is not cached
powerUsagePeakHeadroom	1.3.6.1.4.1.674.10892.1.600.60.1.21	DellUnsigned32BitRange	powerUsagePeakHeadroom	1.3.6.1.4.1.674.10892.5.4.60.60.1.21	Unsigned32BitRange	

Table 17. thermalGroup/coolingUnitTable

OMSA			iDRAC			Comments
Group	thermalGroup		Group	thermalGroup		
Table	coolingUnitTable		Table	coolingUnitTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
coolingUnitChassisIndex	1.3.6.1.4.1.674.10892.1.700.10.1.1	DellObjectRange	coolingUnitChassisIndex	1.3.6.1.4.1.674.10892.5.4.700.10.1.1	ObjectRange	
coolingUnitIndex	1.3.6.1.4.1.674.10892.1.700.10.1.2	DellObjectRange	coolingUnitIndex	1.3.6.1.4.1.674.10892.5.4.700.10.1.2	ObjectRange	
coolingUnitStateCapabilities	1.3.6.1.4.1.674.10892.1.700.10.1.3	DellStateCapabilities	coolingUnitStateCapabilities	1.3.6.1.4.1.674.10892.5.4.700.10.1.3	StateCapabilitiesFlags	
coolingUnitStateSettings	1.3.6.1.4.1.674.10892.1.700.10.1.4	DellStateSettings	coolingUnitStateSettings	1.3.6.1.4.1.674.10892.5.4.700.10.1.4	StateSettingsFlags	
coolingUnitRedundancyStatus	1.3.6.1.4.1.674.10892.1.700.10.1.5	DellStatusRedundancy	coolingUnitRedundancyStatus	1.3.6.1.4.1.674.10892.5.4.700.10.1.5	StatusRedundancyEnum	
coolingDeviceCountForRedundancy	1.3.6.1.4.1.674.10892.1.700.10.1.6	DellObjectRange	coolingDeviceCountForRedundancy	1.3.6.1.4.1.674.10892.5.4.700.10.1.6	ObjectRange	
coolingUnitName	1.3.6.1.4.1.674.10892.1.700.10.1.7	DellString	coolingUnitName	1.3.6.1.4.1.674.10892.5.4.700.10.1.7	String64	
coolingUnitStatus	1.3.6.1.4.1.674.10892.1.700.10.1.8	DellStatus	coolingUnitStatus	1.3.6.1.4.1.674.10892.5.4.700.10.1.8	ObjectStatusEnum	

Table 18. thermalGroup coolingDeviceTable

OMSA			iDRAC			Comments
Group	thermalGroup		Group	thermalGroup		
Table	coolingDeviceTable		Table	coolingDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
coolingDevicechassisIndex	1.3.6.1.4.1.674.10892.1.70.0.12.1.1	DellObjectRange	coolingDevicechassisIndex	1.3.6.1.4.1.674.10892.5.4.700.12.1.1	ObjectRange	
coolingDeviceIndex	1.3.6.1.4.1.674.10892.1.70.0.12.1.2	DellObjectRange	coolingDeviceIndex	1.3.6.1.4.1.674.10892.5.4.700.12.1.2	ObjectRange	
coolingDeviceStateCapabilities	1.3.6.1.4.1.674.10892.1.70.0.12.1.3	DellStateCapabilities	coolingDeviceStateCapabilities	1.3.6.1.4.1.674.10892.5.4.700.12.1.3	StateCapabilitiesFlags	
coolingDeviceStateSettings	1.3.6.1.4.1.674.10892.1.70.0.12.1.4	DellStateSettings	coolingDeviceStateSettings	1.3.6.1.4.1.674.10892.5.4.700.12.1.4	StateSettingsFlags	
coolingDeviceStatus	1.3.6.1.4.1.674.10892.1.70.0.12.1.5	DellStatusProbe	coolingDeviceStatus	1.3.6.1.4.1.674.10892.5.4.700.12.1.5	StatusProbeEnum	
coolingDeviceReading	1.3.6.1.4.1.674.10892.1.70.0.12.1.6	DellSigned32BitRange	coolingDeviceReading	1.3.6.1.4.1.674.10892.5.4.700.12.1.6	Signed32BitRange	This is fan speed in RPM. Values may not match exactly with OMSA, but they are relatively the same in iDRAC.
coolingDeviceType	1.3.6.1.4.1.674.10892.1.70.0.12.1.7	DellCoolingDeviceType	coolingDeviceType	1.3.6.1.4.1.674.10892.5.4.700.12.1.7	CoolingDeviceTypeEnum	
coolingDeviceLocationName	1.3.6.1.4.1.674.10892.1.70.0.12.1.8	DellString	coolingDeviceLocationName	1.3.6.1.4.1.674.10892.5.4.700.12.1.8	String64	
coolingDeviceUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.70.0.12.1.9	DellSigned32BitRange	coolingDeviceUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.9	Signed32BitRange	
coolingDeviceUpperCriticalThreshold	1.3.6.1.4.1.674.10892.1.70.0.12.1.10	DellSigned32BitRange	coolingDeviceUpperCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.10	Signed32BitRange	
coolingDeviceUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.70.0.12.1.11	DellSigned32BitRange	coolingDeviceUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.11	Signed32BitRange	

OMSA			iDRAC			Comments
Group	thermalGroup		Group	thermalGroup		
Table	coolingDeviceTable		Table	coolingDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
coolingDeviceLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.70.0.12.1.12	DellSigned32BitRange	coolingDeviceLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.12	Signed32BitRange	
coolingDeviceLowerCriticalThreshold	1.3.6.1.4.1.674.10892.1.70.0.12.1.13	DellSigned32BitRange	coolingDeviceLowerCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.13	Signed32BitRange	
coolingDeviceLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.70.0.12.1.14	DellSigned32BitRange	coolingDeviceLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.700.12.1.14	Signed32BitRange	
coolingDeviceCoolingUnitIndexReference	1.3.6.1.4.1.674.10892.1.70.0.12.1.15	DellObjectRange	coolingDeviceCoolingUnitIndexReference	1.3.6.1.4.1.674.10892.5.4.700.12.1.15	ObjectRange	
coolingDeviceSubType	1.3.6.1.4.1.674.10892.1.70.0.12.1.16	DellCoolingDeviceSubType	coolingDeviceSubType	1.3.6.1.4.1.674.10892.5.4.700.12.1.16	CoolingDeviceSubTypeEnum	
coolingDeviceProbeCapabilities	1.3.6.1.4.1.674.10892.1.70.0.12.1.17	DellProbeCapabilities	coolingDeviceProbeCapabilities	1.3.6.1.4.1.674.10892.5.4.700.12.1.17	ProbeCapabilitiesFlags	
coolingDeviceDiscreteReading	1.3.6.1.4.1.674.10892.1.70.0.12.1.18	DellCoolingDeviceDiscreteReading	coolingDeviceDiscreteReading	1.3.6.1.4.1.674.10892.5.4.700.12.1.18	CoolingDeviceDiscreteReadingEnum	
Not Available in OMSA			coolingDeviceFQDD	1.3.6.1.4.1.674.10892.5.4.700.12.1.19	FQDDString	

Table 19. thermalGroup/temperatureProbeTable

OMSA			iDRAC			Comments
Group	thermalGroup		Group	thermalGroup		
Table	temperatureProbeTable		Table	temperatureProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
temperatureProbe chassisIndex	1.3.6.1.4.1.674.10892.1.700.20.1.1	DellObjectRange	temperatureProbe chassisIndex	1.3.6.1.4.1.674.10892.5.4.700.20.1.1	ObjectRange	
temperatureProbeIndex	1.3.6.1.4.1.674.10892.1.700.20.1.2	DellObjectRange	temperatureProbeIndex	1.3.6.1.4.1.674.10892.5.4.700.20.1.2	ObjectRange	
temperatureProbeStateCapabilities	1.3.6.1.4.1.674.10892.1.700.20.1.3	DellStateCapabilities	temperatureProbeStateCapabilities	1.3.6.1.4.1.674.10892.5.4.700.20.1.3	StateCapabilitiesFlags	
temperatureProbeStateSettings	1.3.6.1.4.1.674.10892.1.700.20.1.4	DellStateSettings	temperatureProbeStateSettings	1.3.6.1.4.1.674.10892.5.4.700.20.1.4	StateSettingsFlags	
temperatureProbeStatus	1.3.6.1.4.1.674.10892.1.700.20.1.5	DellStatusProbe	temperatureProbeStatus	1.3.6.1.4.1.674.10892.5.4.700.20.1.5	StatusProbeEnum	
temperatureProbeReading	1.3.6.1.4.1.674.10892.1.700.20.1.6	DellSigned32BitRange	temperatureProbeReading	1.3.6.1.4.1.674.10892.5.4.700.20.1.6	Signed32BitRange	Differences may be seen between iDRAC and OMSA because temperature may change slightly each time the value is fetched.
temperatureProbeType	1.3.6.1.4.1.674.10892.1.700.20.1.7	DellTemperatureProbeType	temperatureProbeType	1.3.6.1.4.1.674.10892.5.4.700.20.1.7	TemperatureProbeTypeEnum	
temperatureProbeLocationName	1.3.6.1.4.1.674.10892.1.700.20.1.8	DellString	temperatureProbeLocationName	1.3.6.1.4.1.674.10892.5.4.700.20.1.8	String64	
temperatureProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.9	DellSigned32BitRange	temperatureProbeUpperNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.9	Signed32BitRange	
temperatureProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.10	DellSigned32BitRange	temperatureProbeUpperCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.10	Signed32BitRange	

OMSA			iDRAC			Comments
Group	thermalGroup		Group	thermalGroup		
Table	temperatureProbeTable		Table	temperatureProbeTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
temperatureProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.11	DellSigned32BitRange	temperatureProbeUpperNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.11	Signed32BitRange	
temperatureProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.12	DellSigned32BitRange	temperatureProbeLowerNonCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.12	Signed32BitRange	
temperatureProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.13	DellSigned32BitRange	temperatureProbeLowerCriticalThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.13	Signed32BitRange	
temperatureProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.1.700.20.1.14	DellSigned32BitRange	temperatureProbeLowerNonRecoverableThreshold	1.3.6.1.4.1.674.10892.5.4.700.20.1.14	Signed32BitRange	
temperatureProbeProbeCapabilities	1.3.6.1.4.1.674.10892.1.700.20.1.15	DellProbeCapabilities	temperatureProbeProbeCapabilities	1.3.6.1.4.1.674.10892.5.4.700.20.1.15	ProbeCapabilitiesFlags	
temperatureProbeDiscreteReading	1.3.6.1.4.1.674.10892.1.700.20.1.16	DellTemperatureDiscreteReading	temperatureProbeDiscreteReading	1.3.6.1.4.1.674.10892.5.4.700.20.1.16	TemperatureDiscreteReadingEnum	

Table 20. deviceGroup/processorDeviceTable

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceTable		Table	processorDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
processorDevicechassisIndex	1.3.6.1.4.1.674.10892.1.1100.30.1.1	DellObjectRange	processorDevicechassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.30.1.1	ObjectRange	
processorDeviceIndex	1.3.6.1.4.1.674.10892.1.1100.30.1.2	DellObjectRange	processorDeviceIndex	1.3.6.1.4.1.674.10892.5.4.1100.30.1.2	ObjectRange	
processorDeviceStateCapabilities	1.3.6.1.4.1.674.10892.1.1100.30.1.3	DellStateCapabilities	processorDeviceStateCapabilities	1.3.6.1.4.1.674.10892.5.4.1100.30.1.3	StateCapabilitiesFlags	

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceTable		Table	processorDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
processorDeviceStateSettings	1.3.6.1.4.1.674.10892.1.110.0.30.1.4	DellStateSettings	processorDeviceStateSettings	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.4	StateSettingsFlags	
processorDeviceStatus	1.3.6.1.4.1.674.10892.1.110.0.30.1.5	DellStatus	processorDeviceStatus	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.5	ObjectStatusEnum	
processorPortIndexReference	1.3.6.1.4.1.674.10892.1.110.0.30.1.6	DellObjectRange	Not Available in iDRAC			
processorDeviceType	1.3.6.1.4.1.674.10892.1.110.0.30.1.7	DellProcessorDeviceType	processorDeviceType	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.7	ProcessorDeviceType	
processorDeviceManufacturerName	1.3.6.1.4.1.674.10892.1.110.0.30.1.8	DellString	processorDeviceManufacturerName	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.8	String64	
processorDeviceStatusState	1.3.6.1.4.1.674.10892.1.110.0.30.1.9	DellProcessorDeviceStatusState	processorDeviceStatusState	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.9	ProcessorDeviceStatusState	
processorDeviceFamily	1.3.6.1.4.1.674.10892.1.110.0.30.1.10	DellProcessorDeviceFamily	processorDeviceFamily	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.10	ProcessorDeviceFamily	
processorDeviceMaximumSpeed	1.3.6.1.4.1.674.10892.1.110.0.30.1.11	DellUnsigned32BitRange	processorDeviceMaximumSpeed	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.11	Unsigned32BitRange	
processorDeviceCurrentSpeed	1.3.6.1.4.1.674.10892.1.110.0.30.1.12	DellUnsigned32BitRange	processorDeviceCurrentSpeed	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.12	Unsigned32BitRange	
processorDeviceExternalClockSpeed	1.3.6.1.4.1.674.10892.1.110.0.30.1.13	DellUnsigned32BitRange	processorDeviceExternalClockSpeed	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.13	Unsigned32BitRange	
processorDeviceVoltage	1.3.6.1.4.1.674.10892.1.110.0.30.1.14	DellSigned32BitRange	processorDeviceVoltage	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.14	Signed32BitRange	

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceTable		Table	processorDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
processorDeviceUpgradeInformation	1.3.6.1.4.1.674.10892.1.110.0.30.1.15	DellProcessorUpgradeInformation	Not Available in iDRAC			
processorDeviceVersionName	1.3.6.1.4.1.674.10892.1.110.0.30.1.16	DellString	processorDeviceVersionName	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.16	String64	Differences may be seen between iDRAC and OMSA values because of the underlying differences in the implementations of the iDRAC firmware and the OMSA application
processorDeviceCoreCount	1.3.6.1.4.1.674.10892.1.110.0.30.1.17	DellUnsigned32BitRange	processorDeviceCoreCount	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.17	Unsigned32BitRange	
processorDeviceCoreEnabledCount	1.3.6.1.4.1.674.10892.1.110.0.30.1.18	DellUnsigned32BitRange	processorDeviceCoreEnabledCount	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.18	Unsigned32BitRange	
processorDeviceThreadCount	1.3.6.1.4.1.674.10892.1.110.0.30.1.19	DellUnsigned32BitRange	processorDeviceThreadCount	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.19	Unsigned32BitRange	
processorDeviceCharacteristics	1.3.6.1.4.1.674.10892.1.110.0.30.1.20	DellUnsigned16BitRange	processorDeviceCharacteristics	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.20	Unsigned16BitRange	
processorDeviceExtendedCapabilities	1.3.6.1.4.1.674.10892.1.110.0.30.1.21	DellUnsigned16BitRange	processorDeviceExtendedCapabilities	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.21	Unsigned16BitRange	Differences may be seen between iDRAC and OMSA values because of the underlying differences in the implementations of the iDRAC firmware and the OMSA application
processorDeviceExtendedSettings	1.3.6.1.4.1.674.10892.1.110.0.30.1.22	DellUnsigned16BitRange	processorDeviceExtendedSettings	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.22	Unsigned16BitRange	Differences may be seen between iDRAC and OMSA values because of the underlying differences in the implementations of the iDRAC firmware and the OMSA application

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceTable		Table	processorDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
processorDeviceBrandName	1.3.6.1.4.1.674.10892.1.110.0.30.1.23	DellString	processorDeviceBrandName	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.23	String64	
processorDeviceModelName	1.3.6.1.4.1.674.10892.1.110.0.30.1.24	DellString	Not Available in iDRAC			
processorDeviceSteppingName	1.3.6.1.4.1.674.10892.1.110.0.30.1.25	DellString	Not Available in iDRAC			
Not Available in OMSA			processorDeviceFQDD	1.3.6.1.4.1.674.10892.5.4.110.0.30.1.26	FQDDString	

Table 21. deviceGroup/processorDeviceStatusTable

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceStatusTable		Table	processorDeviceStatusTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
processorDeviceStatusChassisIndex	1.3.6.1.4.1.674.10892.1.1100.32.1.1	DellObjectRange	processorDeviceStatusChassisIndex	1.3.6.1.4.1.674.10892.5.4.110.0.32.1.1	ObjectRange	
processorDeviceStatusIndex	1.3.6.1.4.1.674.10892.1.1100.32.1.2	DellObjectRange	processorDeviceStatusIndex	1.3.6.1.4.1.674.10892.5.4.110.0.32.1.2	ObjectRange	
processorDeviceStatusStateCapabilities	1.3.6.1.4.1.674.10892.1.1100.32.1.3	DellStateCapabilities	processorDeviceStatusStateCapabilities	1.3.6.1.4.1.674.10892.5.4.110.0.32.1.3	StateCapabilitiesFlags	
processorDeviceStatusStateSettings	1.3.6.1.4.1.674.10892.1.1100.32.1.4	DellStateSettings	processorDeviceStatusStateSettings	1.3.6.1.4.1.674.10892.5.4.110.0.32.1.4	StateSettingsFlags	
processorDeviceStatusStatus	1.3.6.1.4.1.674.10892.1.1100.32.1.5	DellStatus	processorDeviceStatusStatus	1.3.6.1.4.1.674.10892.5.4.110.0.32.1.5	ObjectStatusEnum	
processorDeviceStatusReading	1.3.6.1.4.1.674.10892.1.1100.32.1.6	DellProcessorDeviceStatusReading	processorDeviceStatusReading	1.3.6.1.4.1.674.10892.5.4.110.0.32.1.6	ProcessorDeviceStatusReadingFlags	

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	processorDeviceStatusTable		Table	processorDeviceStatusTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
processorDeviceStatusLocationName	1.3.6.1.4.1.674.10892.1.1100.32.1.7	DellString	processorDeviceStatusLocationName	1.3.6.1.4.1.674.10892.5.4.1100.32.1.7	String64	Differences may be seen between iDRAC and OMSA values because of the underlying differences in the implementations of the iDRAC firmware and the OMSA application
processorDeviceStatusPortIndexReference	1.3.6.1.4.1.674.10892.1.1100.32.1.8	DellObjectRange	Not Available in iDRAC			

Table 22. deviceGroup/memoryDeviceTable

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	memoryDeviceTable		Table	memoryDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
memoryDevicechassisIndex	1.3.6.1.4.1.674.10892.1.1100.50.1.1	DellObjectRange	memoryDevicechassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.50.1.1	ObjectRange	
memoryDeviceIndex	1.3.6.1.4.1.674.10892.1.1100.50.1.2	DellObjectRange	memoryDeviceIndex	1.3.6.1.4.1.674.10892.5.4.1100.50.1.2	ObjectRange	
memoryDeviceStateCapabilities	1.3.6.1.4.1.674.10892.1.1100.50.1.3	DellStateCapabilities	memoryDeviceStateCapabilities	1.3.6.1.4.1.674.10892.5.4.1100.50.1.3	StateCapabilitiesFlags	
memoryDeviceStateSettings	1.3.6.1.4.1.674.10892.1.1100.50.1.4	DellStateSettings	memoryDeviceStateSettings	1.3.6.1.4.1.674.10892.5.4.1100.50.1.4	StateSettingsFlags	
memoryDeviceStatus	1.3.6.1.4.1.674.10892.1.1100.50.1.5	DellStatus	memoryDeviceStatus	1.3.6.1.4.1.674.10892.5.4.1100.50.1.5	ObjectStatusEnum	

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	memoryDeviceTable		Table	memoryDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
memoryDeviceMemoryPortIndexReference	1.3.6.1.4.1.674.10892.1.1100.50.1.6	DellObjectRange	Not Available in iDRAC			
memoryDeviceType	1.3.6.1.4.1.674.10892.1.1100.50.1.7	DellMemoryDeviceType	memoryDeviceType	1.3.6.1.4.1.674.10892.5.4.1100.50.1.7	MemoryDeviceTypeEnum	
memoryDeviceLocationName	1.3.6.1.4.1.674.10892.1.1100.50.1.8	DellString	memoryDeviceLocationName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.8	String64	
memoryDeviceErrorCount	1.3.6.1.4.1.674.10892.1.1100.50.1.9	DellSigned32BitRange	Not Available in iDRAC			
memoryDeviceBankLocationName	1.3.6.1.4.1.674.10892.1.1100.50.1.10	DellString	memoryDeviceBankLocationName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.10	String64	
memoryDeviceTypeDetails	1.3.6.1.4.1.674.10892.1.1100.50.1.11	DellMemoryDeviceTypeDetails	Not Available in iDRAC			
memoryDeviceFormFactor	1.3.6.1.4.1.674.10892.1.1100.50.1.12	DellMemoryDeviceFormFactor	Not Available in iDRAC			
memoryDeviceSet	1.3.6.1.4.1.674.10892.1.1100.50.1.13	DellUnsigned32BitRange	Not Available in iDRAC			
memoryDeviceSize	1.3.6.1.4.1.674.10892.1.1100.50.1.14	DellUnsigned32BitRange	memoryDeviceSize	1.3.6.1.4.1.674.10892.5.4.1100.50.1.14	Unsigned32BitRange	
memoryDeviceSpeed	1.3.6.1.4.1.674.10892.1.1100.50.1.15	DellUnsigned32BitRange	memoryDeviceSpeed	1.3.6.1.4.1.674.10892.5.4.1100.50.1.15	Unsigned32BitRange	
memoryDeviceTotalBusWidth	1.3.6.1.4.1.674.10892.1.1100.50.1.16	DellUnsigned32BitRange	Not Available in iDRAC			
memoryDeviceTotalDataBusWidth	1.3.6.1.4.1.674.10892.1.1100.50.1.17	DellUnsigned32BitRange	Not Available in iDRAC			
memoryDeviceSingleBitErrorCount	1.3.6.1.4.1.674.10892.1.1100.50.1.18	DellSigned32BitRange	Not Available in iDRAC			
memoryDeviceMultiBitErrorCount	1.3.6.1.4.1.674.10892.1.1100.50.1.19	DellSigned32BitRange	Not Available in iDRAC			
memoryDeviceFailureModes	1.3.6.1.4.1.674.10892.1.1100.50.1.20	DellMemoryDeviceFailureModes	Not Available in iDRAC			
memoryDeviceManufacturerName	1.3.6.1.4.1.674.10892.1.1100.50.1.21	DellString	memoryDeviceManufacturerName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.21	String64	

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	memoryDeviceTable		Table	memoryDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
memoryDevicePartNumberName	1.3.6.1.4.1.674.10892.1.1100.50.1.22	DellString	memoryDevicePartNumberName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.22	String64	
memoryDeviceSerialNumberName	1.3.6.1.4.1.674.10892.1.1100.50.1.23	DellString	memoryDeviceSerialNumberName	1.3.6.1.4.1.674.10892.5.4.1100.50.1.23	String64	
memoryDeviceAssetTagName	1.3.6.1.4.1.674.10892.1.1100.50.1.24	DellString	Not Available in iDRAC			
memoryDeviceSpeedName	1.3.6.1.4.1.674.10892.1.1100.50.1.25	DellString	Not Available in iDRAC			
Not Available in OMSA			memoryDeviceFrequency	1.3.6.1.4.1.674.10892.5.4.1100.50.1.26	FQDDString	
Not Available in OMSA			memoryDeviceCurrentOperatingSpeed	1.3.6.1.4.1.674.10892.5.4.1100.50.1.27	Unsigned32BitRange	

Table 23. deviceGroup/pCIDeviceTable

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	pCIDeviceTable		Table	pCIDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
pCIDevicechassisIndex	1.3.6.1.4.1.674.10892.1.1100.80.1.1	DellObjectRange	pCIDevicechassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.80.1.1	ObjectRange	
pCIDeviceIndex	1.3.6.1.4.1.674.10892.1.1100.80.1.2	DellObjectRange	pCIDeviceIndex	1.3.6.1.4.1.674.10892.5.4.1100.80.1.2	ObjectRange	
pCIDeviceStateCapabilities	1.3.6.1.4.1.674.10892.1.1100.80.1.3	DellStateCapabilities	pCIDeviceStateCapabilities	1.3.6.1.4.1.674.10892.5.4.1100.80.1.3	StateCapabilitiesFlags	
pCIDeviceStateSettings	1.3.6.1.4.1.674.10892.1.1100.80.1.4	DellStateSettings	pCIDeviceStateSettings	1.3.6.1.4.1.674.10892.5.4.1100.80.1.4	StateSettingsFlags	

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	pCIDeviceTable		Table	pCIDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
pCIDeviceStatus	1.3.6.1.4.1.674.10892.1.1100.80.1.5	DellStatus	pCIDeviceStatus	1.3.6.1.4.1.674.10892.5.4.1100.80.1.5	ObjectStatusEnum	
pCIDeviceSystemSlotIndexReference	1.3.6.1.4.1.674.10892.1.1100.80.1.6	DellObjectRange	Not Available in iDRAC			
pCIDeviceDataBusWidth	1.3.6.1.4.1.674.10892.1.1100.80.1.7	DellUnsigned32BitRange	pCIDeviceDataBusWidth	1.3.6.1.4.1.674.10892.5.4.1100.80.1.7	Unsigned32BitRange	
pCIDeviceManufacturerName	1.3.6.1.4.1.674.10892.1.1100.80.1.8	DellString	pCIDeviceManufacturerName	1.3.6.1.4.1.674.10892.5.4.1100.80.1.8	String64	
pCIDeviceDescriptionName	1.3.6.1.4.1.674.10892.1.1100.80.1.9	DellString	pCIDeviceDescriptionName	1.3.6.1.4.1.674.10892.5.4.1100.80.1.9	String64	
pCIDeviceSpeed	1.3.6.1.4.1.674.10892.1.1100.80.1.10	DellUnsigned32BitRange	Not Available in iDRAC			
pCIDeviceAdapterFault	1.3.6.1.4.1.674.10892.1.1100.80.1.11	DellBoolean	Not Available in iDRAC			
Not Available in OMSA			pCIDeviceFQDD	1.3.6.1.4.1.674.10892.5.4.1100.80.1.12	FQDDString	

Table 24. deviceGroup/networkDeviceTable

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	networkDeviceTable		Table	networkDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
networkDeviceChassisIndex	1.3.6.1.4.1.674.10892.1.1100.90.1.1	DellObjectRange	networkDeviceChassisIndex	1.3.6.1.4.1.674.10892.5.4.1100.90.1.1	ObjectRange	
networkDeviceIndex	1.3.6.1.4.1.674.10892.1.1100.90.1.2	DellObjectRange	networkDeviceIndex	1.3.6.1.4.1.674.10892.5.4.1100.90.1.2	ObjectRange	

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	networkDeviceTable		Table	networkDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
networkDeviceStatus	1.3.6.1.4.1.674.10892.1.1100.90.1.3	DellStatus	networkDeviceStatus	1.3.6.1.4.1.674.10892.5.4.1100.90.1.3	ObjectStatusEnum	
networkDeviceConnectionStatus	1.3.6.1.4.1.674.10892.1.1100.90.1.4	DellNetworkDeviceConnectionStatus	networkDeviceConnectionStatus	1.3.6.1.4.1.674.10892.5.4.1100.90.1.4	NetworkDeviceConnectionStatusEnum	
networkDeviceDescriptionName	1.3.6.1.4.1.674.10892.1.1100.90.1.5	DellString	Not Available in iDRAC			
networkDeviceProductName	1.3.6.1.4.1.674.10892.1.1100.90.1.6	DellString	networkDeviceProductName	1.3.6.1.4.1.674.10892.5.4.1100.90.1.6	String64	
networkDeviceVendorName	1.3.6.1.4.1.674.10892.1.1100.90.1.7	DellString	networkDeviceVendorName	1.3.6.1.4.1.674.10892.5.4.1100.90.1.7	String64	
networkDeviceServiceName	1.3.6.1.4.1.674.10892.1.1100.90.1.8	DellString	Not Available in iDRAC			
networkDeviceDriverImagePathName	1.3.6.1.4.1.674.10892.1.1100.90.1.9	DellString	Not Available in iDRAC			
networkDeviceDriverVersionName	1.3.6.1.4.1.674.10892.1.1100.90.1.10	DellString	Not Available in iDRAC			
networkDeviceIPAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.11	IpAddress	Not Available in iDRAC			
networkDeviceIPSubnetMask	1.3.6.1.4.1.674.10892.1.1100.90.1.12	IpAddress	Not Available in iDRAC			
networkDeviceDefaultGatewayIPAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.13	IpAddress	Not Available in iDRAC			
networkDeviceDHCPServerIPAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.14	IpAddress	Not Available in iDRAC			
networkDeviceCurrentMACAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.15	DellMACAddress	networkDeviceCurrentMACAddress	1.3.6.1.4.1.674.10892.5.4.1100.90.1.15	MACAddress	
networkDevicePermanentMACAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.16	DellMACAddress	networkDevicePermanentMACAddress	1.3.6.1.4.1.674.10892.5.4.1100.90.1.16	MACAddress	
networkDevicePCIBusNumber	1.3.6.1.4.1.674.10892.1.1100.90.1.17	DellUnsigned8BitRange	networkDevicePCIBusNumber	1.3.6.1.4.1.674.10892.5.4.1100.90.1.17	Unsigned8BitRange	

OMSA			iDRAC			Comments
Group	deviceGroup		Group	deviceGroup		
Table	networkDeviceTable		Table	networkDeviceTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
networkDevicePCI DeviceNumber	1.3.6.1.4.1.674.10892.1.1100.90.1.18	DellUnsigned8BitRange	networkDevicePCID eviceNumber	1.3.6.1.4.1.674.10892.5.4.1100.90.1.18	Unsigned8BitRange	
networkDevicePCI FunctionNumber	1.3.6.1.4.1.674.10892.1.1100.90.1.19	DellUnsigned8BitRange	networkDevicePCIF unctionNumber	1.3.6.1.4.1.674.10892.5.4.1100.90.1.19	Unsigned8BitRange	
networkDeviceIRQ	1.3.6.1.4.1.674.10892.1.1100.90.1.20	DellUnsigned32BitRange	Not Available in iDRAC			
networkDeviceBas eIOPortAddress	1.3.6.1.4.1.674.10892.1.1100.90.1.21	DellUnsigned32BitRange	Not Available in iDRAC			
networkDeviceTea mingFlags	1.3.6.1.4.1.674.10892.1.1100.90.1.22	DellNetworkDevi ceTeamingFlags	Not Available in iDRAC			
networkDeviceTO ECapabilityFlags	1.3.6.1.4.1.674.10892.1.1100.90.1.23	DellNetworkDevi ceTOECapability Flags	networkDeviceTO ECapabilityFlags	1.3.6.1.4.1.674.10892.5.4.1100.90.1.23	NetworkDeviceTOEC apabilityFlags	
networkDeviceTO EEnabled	1.3.6.1.4.1.674.10892.1.1100.90.1.24	DellBoolean	Not Available in iDRAC			
networkDeviceRD MACapabilityFlags	1.3.6.1.4.1.674.10892.1.1100.90.1.25	DellNetworkDevi ceRDMACapabili tyFlags	Not Available in iDRAC			
networkDeviceRD MAEnabled	1.3.6.1.4.1.674.10892.1.1100.90.1.26	DellBoolean	Not Available in iDRAC			
networkDeviceiSC SICapabilityFlags	1.3.6.1.4.1.674.10892.1.1100.90.1.27	DellNetworkDevi ceiSCSICapabilit yFlags	networkDeviceiSCSI CapabilityFlags	1.3.6.1.4.1.674.10892.5.4.1100.90.1.27	NetworkDeviceiSCSI CapabilityFlags	
networkDeviceiSC SIEEnabled	1.3.6.1.4.1.674.10892.1.1100.90.1.28	DellBoolean	networkDeviceiSCSI Enabled	1.3.6.1.4.1.674.10892.5.4.1100.90.1.28	BooleanType	
networkDeviceCap abilities	1.3.6.1.4.1.674.10892.1.1100.90.1.29	DellNetworkDevi ceCapabilities	networkDeviceCapa bilities	1.3.6.1.4.1.674.10892.5.4.1100.90.1.29	NetworkDeviceCapa bilitiesFlags	
Not Available in OMSA			networkDeviceFQD D	1.3.6.1.4.1.674.10892.5.4.1100.90.1.30	FQDDString	

Table 25. slotGroup/systemSlotTable

OMSA			iDRAC			Comments
Group	slotGroup		Group	slotGroup		
Table	systemSlotTable		Table	systemSlotTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
systemSlotchassisIndex	1.3.6.1.4.1.674.10892.1.1200.10.1.1	DellObjectRange	systemSlotchassisIndex	1.3.6.1.4.1.674.10892.5.4.1200.10.1.1	ObjectRange	
systemSlotIndex	1.3.6.1.4.1.674.10892.1.1200.10.1.2	DellObjectRange	systemSlotIndex	1.3.6.1.4.1.674.10892.5.4.1200.10.1.2	ObjectRange	
systemSlotStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.1.1200.10.1.3	DellSystemSlotStateCapabilities	systemSlotStateCapabilitiesUnique	1.3.6.1.4.1.674.10892.5.4.1200.10.1.3	SystemSlotStateCapabilitiesFlags	Differences may be seen between iDRAC and OMSA values because of the underlying differences in the implementations of the iDRAC firmware and the OMSA application
systemSlotStateSettingsUnique	1.3.6.1.4.1.674.10892.1.1200.10.1.4	DellSystemSlotStateSettings	systemSlotStateSettingsUnique	1.3.6.1.4.1.674.10892.5.4.1200.10.1.4	SystemSlotStateSettingsFlags	Differences may be seen between iDRAC and OMSA values because of the underlying differences in the implementations of the iDRAC firmware and the OMSA application
systemSlotStatus	1.3.6.1.4.1.674.10892.1.1200.10.1.5	DellStatus	systemSlotStatus	1.3.6.1.4.1.674.10892.5.4.1200.10.1.5	ObjectStatusEnum	
systemSlotCurrentUsage	1.3.6.1.4.1.674.10892.1.1200.10.1.6	DellSystemSlotUsage	systemSlotCurrentUsage	1.3.6.1.4.1.674.10892.5.4.1200.10.1.6	SystemSlotUsageEnum	
systemSlotType	1.3.6.1.4.1.674.10892.1.1200.10.1.7	DellSystemSlotType	systemSlotType	1.3.6.1.4.1.674.10892.5.4.1200.10.1.7	SystemSlotTypeEnum	Differences may be seen between iDRAC and OMSA values because of the underlying differences

OMSA			iDRAC			Comments
Group	slotGroup		Group	slotGroup		
Table	systemSlotTable		Table	systemSlotTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
						in the implementations of the iDRAC firmware and the OMSA application
systemSlotSlotExternalSlotName	1.3.6.1.4.1.674.10892.1.1200.10.1.8	DellString	systemSlotSlotExternalSlotName	1.3.6.1.4.1.674.10892.5.4.1200.10.1.8	String64	
systemSlotLength	1.3.6.1.4.1.674.10892.1.1200.10.1.9	DellSystemSlotLength	Not Available in iDRAC			
systemSlotSlotID	1.3.6.1.4.1.674.10892.1.1200.10.1.10	DellUnsigned32BitRange	Not Available in iDRAC			
systemSlotCategory	1.3.6.1.4.1.674.10892.1.1200.10.1.11	DellSystemSlotCategory	systemSlotCategory	1.3.6.1.4.1.674.10892.5.4.1200.10.1.11	SystemSlotCategoryEnum	
systemSlotHotPlugBusWidth	1.3.6.1.4.1.674.10892.1.1200.10.1.12	DellSystemSlotHotPlugBusWidth	Not Available in iDRAC			
systemSlotHotPlugSlotSpeed	1.3.6.1.4.1.674.10892.1.1200.10.1.13	DellUnsigned32BitRange	Not Available in iDRAC			
systemSlotHotPlugAdapterSpeed	1.3.6.1.4.1.674.10892.1.1200.10.1.14	DellUnsigned32BitRange	Not Available in iDRAC			

Table 26. fruGroup/fruTable

OMSA			iDRAC			Comments
Group	fruGroup		Group	fruGroup		
Table	fruTable		Table	fruTable		
Attribute Name	OID	Data Type	Attribute Name	OID	Data Type	
fruChassisIndex	1.3.6.1.4.1.674.10892.1.2000.10.1.1	DellObjectRange	fruChassisIndex	1.3.6.1.4.1.674.10892.5.4.2000.10.1.1	ObjectRange	
fruIndex	1.3.6.1.4.1.674.10892.1.2000.10.1.2	DellObjectRange	fruIndex	1.3.6.1.4.1.674.10892.5.4.2000.10.1.2	ObjectRange	
fruInformationStatus	1.3.6.1.4.1.674.10892.1.2000.10.1.3	DellStatus	fruInformationStatus	1.3.6.1.4.1.674.10892.5.4.2000.10.1.3	ObjectStatusEnum	
fruInformationState	1.3.6.1.4.1.674.10892.1.2000.10.1.4	DellFRUInformationState	Not Available in iDRAC			
fruDeviceName	1.3.6.1.4.1.674.10892.1.2000.10.1.5	DisplayString (SIZE (0..64))	Not Available in iDRAC			
fruManufacturerName	1.3.6.1.4.1.674.10892.1.2000.10.1.6	DisplayString (SIZE (0..64))	fruManufacturerName	1.3.6.1.4.1.674.10892.5.4.2000.10.1.6	DisplayString (SIZE (0..64))	
fruSerialNumberName	1.3.6.1.4.1.674.10892.1.2000.10.1.7	DisplayString (SIZE (0..64))	fruSerialNumberName	1.3.6.1.4.1.674.10892.5.4.2000.10.1.7	DisplayString (SIZE (0..64))	
fruPartNumberName	1.3.6.1.4.1.674.10892.1.2000.10.1.8	DisplayString (SIZE (0..64))	fruPartNumberName	1.3.6.1.4.1.674.10892.5.4.2000.10.1.8	DisplayString (SIZE (0..64))	
fruRevisionName	1.3.6.1.4.1.674.10892.1.2000.10.1.9	DisplayString (SIZE (0..64))	fruRevisionName	1.3.6.1.4.1.674.10892.5.4.2000.10.1.9	DisplayString (SIZE (0..64))	
fruManufacturingDateName	1.3.6.1.4.1.674.10892.1.2000.10.1.10	DellDateName	Not Available in iDRAC			
fruAssetTagName	1.3.6.1.4.1.674.10892.1.2000.10.1.11	DisplayString (SIZE (0..64))	Not Available in iDRAC			
Not Available in OMSA			fruFQDD	1.3.6.1.4.1.674.10892.5.4.2000.10.1.12	FQDDString	

OMSS to iDRAC SNMP Get migration

This section provides a comparative study of the iDRAC firmware version 2.30.30.30 SNMP storage system modeling with OMSS version 8.3 MIB as the reference.

In general, the groups, table structures and hierarchy have been retained in iDRAC as compared with the OMSS MIB - for example, the dcstorag.mib file. The storage base OID in OMSS, for example 1.3.6.1.4.1.674.10893, now corresponds to 1.3.6.1.4.1.674.10892.5.5 in iDRAC. Typically replacing the "10893" in an OMSS OID with "10892.5.5" should result in corresponding attribute in iDRAC OID.

Some of the key differences are explained below

- Modeling Fully Qualified Device Descriptors (FQDD): The FQDDs are a generic and consistent way to denote any target device (server/storage) attached to the system. This script to be written that can be used across multiple platforms and generations. In the iDRAC MIB, the FQDD attribute is added as an attribute in all the storage tables to uniquely identify object instances. Some of the key benefits derived by leveraging FQDD are captured below:
 - Parent/Child relationship: The FQDD is in text format and is colon (:) separated. Each colon separated token indicates a node device and the token to the right indicates its immediate parent/association in the chain of nodes/device. The same is illustrated with examples for some storage objects:



Table 27. Fully Qualified Device Descriptors for storage devices

Object	FQDD syntax	Examples. Format: <the device's complete FQDD> / < parent device and its FQDD: >	Additional details
Storage battery	<Battery node FQDD>:<Controller node FQDD>	Battery.Integrated.1:RAID.Slot.5 / parent RAID controller's FQDD: RAID.Slot.5.	The RAID controller is inserted into PCI slot 5.
External storage enclosure	Enclosure.External.<co nnector ID>-<wired order>:<Controller node FQDD>	Enclosure.External.0-1:RAID.Slot.5 / parent RAID controller's FQDD: RAID.Slot.5	The external enclosure is connected to connector ID 0 on the RAID controller. The enclosure is at position 1 in the wired order/daisy chain of enclosure(s).
Internal backplane.	Enclosure.Internal.<co nnector ID>-<wired order>:<Controller node FQDD>	Enclosure.Internal.0-1:RAID.Integrated.1-1 / parent RAID controller's FQDD: RAID.Integrated.1-1	The <i>internal</i> indicates a server backplane and <i>external</i> indicates a storage enclosure (JBOD) in the FQDD text.
Physical disk (PD) within an enclosure	Disk.Bay.<Slot no.>:<Enclosure node FQDD>:<Controller node FQDD>	Disk.Bay.5:Enclosure.External.0- 0:RAID.Slot.7-1 / parent external enclosure's FQDD: Enclosure.External.0- 0:RAID.Slot.7-1	The disk is inserted into slot 5 of the enclosure.
Physical disk connected to a backplane	Disk.Bay.<Slot no.>:<Backplane node FQDD>:<Controller node FQDD>	Disk.Bay.0:Enclosure.Internal.0- 1:RAID.Integrated.1-1 / parent internal backplane's FQDD: Enclosure.Internal.0- 1:RAID.Integrated.1-1.	The disk is inserted into slot 5 of the backplane.
Virtual disk (VD)	Disk.Virtual.<target ID>:<Controller node FQDD>	Disk.Virtual.0:RAID.Integrated.1-1 / parent RAID controller's FQDD: RAID.Integrated.1-1.	The unique ID assigned by the RAID controller (target ID) of the virtual disk is 0.
Enclosure Management Module (EMM)	EMM.Slot.<EMM slot no.>:<Enclosure node FQDD>:<Controller node FQDD>	EMM.Slot.1:Enclosure.External.1- 1:RAID.Slot.1 / parent external enclosure's FQDD: Enclosure.External.1-1:RAID.Slot.1.	The EMM is inserted into EMM slot number 1 of the backplane.

The FQDD makes it seamless to determine the parent/child relationship between devices, simplifying the construction of the storage device topology. This removes the need for explicit tables to model the interconnections of the devices such as arrayDiskEnclosureConnectionTable and fanConnectionTable used in OMSS.

- Additional details: some additional details about the individual objects are embedded within the device FQDD. For example, the connected port/channel and enclosure position/wired order details about an enclosure are indicated in the last column of the above table.
- The nexusID attributes used in OMSS are not retained in the iDRAC MIB as the FQDD is leveraged in lieu of the nexusID attribute.

Reporting friendly Fully Qualified Device Descriptors (FQDD): The FQDD text can appear cryptic to users; hence a friendly FQDD attribute is added in all of the storage tables to identify devices using an intuitive text description.

The underlying data reported by the iDRAC SNMP interface is largely the same as that reported by the other interfaces – for example, the iDRAC web interface and RACADM CLI. This enables consistency with respect to data modeling and values reported across the iDRAC SNMP and other interfaces.

Some SNMP tables have been renamed in iDRAC for better clarity between server and storage objects. The details of these name changes are listed below:

Table 28. OMSS table names changed in iDRAC

OMSS Table Name	iDRAC Table Name
arrayDiskTable	physicalDiskTable
fanTable	enclosureFanTable
powerSupplyTable	enclosurePowerSupplyTable
temperatureProbeTable	enclosureTemperatureProbeTable



The OMSS tables listed below are Not Available in iDRAC. However, the data is available using other tables/attributes as described under second column below.

Table 29. Unavailable OMSS tables for iDRAC.

OMSS Table Name	Remarks
channelTable	The channelTable and its related tables are not modeled explicitly in iDRAC agentless monitoring. The connected port/channel is determined from the FQDD as described in 1.b.
arrayDiskEnclosureConnectionTable	There are no explicit connection tables in iDRAC. Refer to 1.a to determine the object topology.
arrayDiskChannelConnectionTable	
fanConnectionTable	
powerSupplyConnectionTable	
temperatureConnectionTable	
enclosureManagementModuleConnectionTable	
batteryConnectionTable	
arrayDiskLogicalConnectionTable	



A detailed study of the storage tables/attributes is presented in the OMSS-to-iDRAC comparison table below.

Table 30. OMSS storageManagement and iDRAC racInfoGroup

OMSS				iDRAC				Comments
Group	storageManagement			Group	racInfoGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
softwareVersion	1.3.6.1.4.1.674.10893.1.20.1	DisplayString	E.g.3.3.0	racVersion	1.3.6.1.4.1.674.10892.5.1.1.5	StringType	E.g. 1.30.30	
globalStatus	1.3.6.1.4.1.674.10893.1.20.2	INTEGER	critical(1), warning(2), normal(3), unknown(4)	globalStorageStatus	1.3.6.1.4.1.674.10892.5.2.3	ObjectStatus Enum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	The underlying object topology and corresponding algorithm to calculate the worst-case severity is different between OMSS and iDRAC. Therefore, exact consistency in the values is not expected.
softwareManufacturer	1.3.6.1.4.1.674.10893.1.20.3	DisplayString	E.g. "Dell Inc"	racManufacturer	1.3.6.1.4.1.674.10892.5.1.1.4	StringType	E.g. "Dell"	In OMSS, the in-band SNMP agent indicates the name of the host management software's manufacturer. However, in iDRAC, this is considered equivalent to the name of the

OMSS				iDRAC				Comments
Group	storageManagement			Group	racInfoGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								embedded remote access card's manufacturer.
softwareProduct	1.3.6.1.4.1.674.10893.1.20.4	DisplayString	For example: Server Administrator (Storage Management)	racName	1.3.6.1.4.1.674.10892.5.1.1.1	StringType	For example: Integrated Dell Remote Access Controller 7	In OMSS, the in-band SNMP agent indicates the name of the host management software. However in iDRAC this can be considered equivalent to the name of the embedded remote access card.
softwareDescription	1.3.6.1.4.1.674.10893.1.20.5	DisplayString	E.g. "Configuration and monitoring of disk storage devices."	racDescription	1.3.6.1.4.1.674.10892.5.1.1.3	StringType	E.g. "This system component provides a complete set of remote management functions for Dell PowerEdge Servers."	In OMSS, the in-band SNMP agent indicates the description of the host management software. However, in iDRAC this is considered equivalent to the description of the embedded remote access card.

Table 31. OMSS storageManagementInfo and iDRAC racInfoGroup

OMSS				iDRAC				Comments
Group	storageManagementInfo			Group	racInfoGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
displayName	1.3.6.1.4.1.674.10893.1.20.100.1	DisplayString		racName	1.3.6.1.4.1.674.10892.5.1.1.1	StringType		
description	1.3.6.1.4.1.674.10893.1.20.100.2	DisplayString		racDescription	1.3.6.1.4.1.674.10892.5.1.1.3	StringType		
agentVendor	1.3.6.1.4.1.674.10893.1.20.100.3	DisplayString		racManufacturer	1.3.6.1.4.1.674.10892.5.1.1.4	StringType		Unlike the host-OS, where the management software must be installed separately, the iDRAC agent is an embedded firmware. Therefore, the manufacturer of the management software and remote access card (iDRAC) are regarded as equivalent.
agentVersion	1.3.6.1.4.1.674.10893.1.20.100.4	DisplayString		Not Applicable				obsolete

Table 32. OMSS storageManagementInfo and iDRAC racInfoGroup, statusGroup and mIBVersionGroup

OMSS				iDRAC				Comments
Group	storageManagementInfo			Group	racInfoGroup, statusGroup and mIBVersionGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
agentSystemGlobalStatus	1.3.6.1.4.1.674.10893.1.20.110.1	INTEGER	normal(1), warning(2), nonCriticalError(3), failure(4), unknown(5)					Obsolete in OMSS.
								Not Applicable
agentLastGlobalStatus	1.3.6.1.4.1.674.10893.1.20.110.2	INTEGER	normal(1), warning(2), nonCriticalError(3), failure(4), unknown(5)					Obsolete in OMSS.
								Not Applicable
agentTimeStamp	1.3.6.1.4.1.674.10893.1.20.110.3	INTEGER						Not Available
agentGetTimeOut	1.3.6.1.4.1.674.10893.1.20.110.4	INTEGER						Not Available
agentModifiers	1.3.6.1.4.1.674.10893.1.20.110.5	INTEGER						Not Available
agentRefreshRate	1.3.6.1.4.1.674.10893.1.20.110.6	INTEGER						Note: The iDRAC SNMP sub-agent's internal cache (applicable to storage data only) expires after one minute. So, ideally the recommended polling time duration for SNMP Gets should be 60 seconds or more
								Not Available

OMSS				iDRAC				Comments
Group	storageManagementInfo			Group	racInfoGroup, statusGroup and mIBVersionGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								from a 1:N console perspective.
agentHostname	1.3.6.1.4.1.674.10893.1.20.110.7	DisplayString		Not Applicable				Obsolete in OMSS.
agentIPAddresses	1.3.6.1.4.1.674.10893.1.20.110.8	DisplayString		Not Applicable				Obsolete in OMSS.
agentSoftwareStatus	1.3.6.1.4.1.674.10893.1.20.110.9	INTEGER	databaseUp(1), databaseDown(2)	Not Applicable				Obsolete in OMSS.
agentSnmpVersion	1.3.6.1.4.1.674.10893.1.20.110.10	DisplayString		Not Applicable				Obsolete in OMSS.
agentMibVersion	1.3.6.1.4.1.674.10893.1.20.110.11	DisplayString		mIBMajorVersionNumber, mIBMinorVersionNumber and mIBMaintenanceVersionNumber	1.3.6.1.4.1.674.10892.5.4.1.1, 1.3.6.1.4.1.674.10892.5.4.1.2 and 1.3.6.1.4.1.674.10892.5.4.1.3	Unsigned8 BitRange		Note: The change in data type and corresponding group name.

OMSS				iDRAC				Comments
Group	storageManagementInfo			Group	racInfoGroup, statusGroup and mIBVersionGroup			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
agentManagementSoftwareURLName	1.3.6.1.4.1.674.10893.1.20.110.12	DisplayString		racURL	1.3.6.1.4.1.674.10892.5.1.1.6	StringType		Note: The change in data type and corresponding group name.
agentGlobalSystemStatus	1.3.6.1.4.1.674.10893.1.20.110.13	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	globalStorageStatus	1.3.6.1.4.1.674.10892.5.2.3	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	The underlying algorithm to calculate the worst-case severity is different between the applications. Therefore, exact consistency in the values is not expected.
agentLastGlobalSystemStatus	1.3.6.1.4.1.674.10893.1.20.110.14	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				
agentSmartThermalShutdown	1.3.6.1.4.1.674.10893.1.20.110.15	INTEGER	enabled(1), disabled(2), notApplicable(3)	Not Applicable				This attribute is related to older enclosure models (like PV220S or PV221S). Monitoring of these types of enclosures is not supported by iDRAC storage management.

Table 33. physicalDevices/controllerTable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerNumber	1.3.6.1.4.1.674.10893.1.20.130.1.1.1	INTEGER		controller Number	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.1	INTEGER		
controllerName	1.3.6.1.4.1.674.10893.1.20.130.1.1.2	DisplayString		controller Name	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.2	DisplayString		The name strings may not be exactly identical. Note : In iDRAC, the name is constructed in the format : - <controller model> (PCI Slot <number>) OR <controller model> (Embedded)
controllerVendor	1.3.6.1.4.1.674.10893.1.20.130.1.1.3	DisplayString		Not Available				
controllerType	1.3.6.1.4.1.674.10893.1.20.130.1.1.4	INTEGER,	scsi(1), pv660F(2), pv662F(3), ide(4), sata(5), sas(6), pciessd(9)	Not Available				Typically, all controllers reported here (through iDRAC agentless monitoring) support SAS protocol.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerState	1.3.6.1.4.1.674.10893.1.20.130.1.1.5	INTEGER	ready(1), failed(2), online(3), offline(4), degraded(6)	Not Available				Alternatively, attributes like 'controllerPreserve dCache' can be used to lookup specific controller states.
controllerSeverity	1.3.6.1.4.1.674.10893.1.20.130.1.1.6	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
controllerRebuildRateInPercent	1.3.6.1.4.1.674.10893.1.20.130.1.1.7	INTEGER	0-100	controllerRebuildRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.7	INTEGER	0-100	
controllerFWVersion	1.3.6.1.4.1.674.10893.1.20.130.1.1.8	DisplayString		controllerFWVersion	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.8.1	DisplayString		
controllerCacheSizeInMB	1.3.6.1.4.1.674.10893.1.20.130.1.1.9	INTEGER		controllerCacheSizeInMB	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.9	INTEGER		
controllerCacheSizeInBytes	1.3.6.1.4.1.674.10893.1.20.130.1.1.10	INTEGER		Not Available				Typically, controller cache memory size is an integral multiple of MB.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerPhysicalDeviceCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.11	INTEGER		Not Available				This is not available directly from iDRAC. However, consumers can compute it by doing a sum of the number of the relevant object instances (i.e. physical disks and controller)
controllerLogicalDeviceCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.12	INTEGER		Not Available				This is not available directly from iDRAC. However, consumers can compute it by taking the count of the instances of virtual disks present under the controller.
controllerPartnerStatus	1.3.6.1.4.1.674.10893.1.20.130.1.1.13	DisplayString		Not Applicable				Obsolete in OMSS.
controllerHostPortCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.14	INTEGER		Not Applicable				Obsolete in OMSS.
controllerMemorySizeInMB	1.3.6.1.4.1.674.10893.1.20.130.1.1.15	INTEGER		Not Applicable				Not applicable for controllers supporting

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								agentless monitoring.
controllerMemorySizeInBytes	1.3.6.1.4.1.674.10893.1.20.130.1.1.16	INTEGER		Not Applicable				Not applicable for controllers supporting agentless monitoring.
controllerDriveChannelCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.17	INTEGER		Not Applicable				Obsolete in OMSS.
controllerFaultTolerant	1.3.6.1.4.1.674.10893.1.20.130.1.1.18	INTEGER		Not Applicable				Obsolete in OMSS.
controllerCOPort0WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.19	DisplayString		Not Applicable				Obsolete in OMSS.
controllerCOPort0Name	1.3.6.1.4.1.674.10893.1.20.130.1.1.20	DisplayString		Not Applicable				Obsolete in OMSS.
controllerCOPort0ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.21	INTEGER		Not Applicable				Obsolete in OMSS.
controllerCOTarget	1.3.6.1.4.1.674.10893.1.20.130.1.1.22	INTEGER		Not Applicable				Obsolete in OMSS.
controllerCOCChannel	1.3.6.1.4.1.674.10893.1.20.130.1.1.23	INTEGER		Not Applicable				Obsolete in OMSS.
controllerCOOSController	1.3.6.1.4.1.674.10893.1.20.130.1.1.24	DisplayString		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerC0B atteryState	1.3.6.1.4.1.674.10893.1.20.130.1.1.25	INTEGER	ok(1), failed(2), reconditioning(7), high(9), low(10), charging(12), missing(21)	Not Applicable				Obsolete in OMSS.
controllerC1P ort0WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.26	DisplayString		Not Applicable				Obsolete in OMSS.
controllerC1P ort0Name	1.3.6.1.4.1.674.10893.1.20.130.1.1.27	DisplayString		Not Applicable				Obsolete in OMSS.
controllerC1P ort0ID	1.3.6.1.4.1.674.10893.1.20.130.1.1.28	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC1Ta rget	1.3.6.1.4.1.674.10893.1.20.130.1.1.29	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC1C hannel	1.3.6.1.4.1.674.10893.1.20.130.1.1.30	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC1O SController	1.3.6.1.4.1.674.10893.1.20.130.1.1.31	INTEGER		Not Applicable				Obsolete in OMSS.
controllerC1B atteryState	1.3.6.1.4.1.674.10893.1.20.130.1.1.32	INTEGER	ok(1), failed(2), reconditioning(7), high(9), low(10), charging(12), missing(21)	Not Applicable				Obsolete in OMSS.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerNodeWWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.33	DisplayString		Not Applicable				Obsolete in OMSS.
controllerControllerPort1WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.34	DisplayString		Not Applicable				Obsolete in OMSS.
controllerControllerPort1WWN	1.3.6.1.4.1.674.10893.1.20.130.1.1.35	DisplayString		Not Applicable				Obsolete in OMSS.
controllerBatteryChargeCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.36	INTEGER		Not Applicable				Obsolete in OMSS.
controllerRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.1.1.37	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	controllerRollUpStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.37	ObjectStatusEnum	1: Other. 2: Unknown. 3: OK 4: Non-critical 5: Critical. 6: Non-recoverable.	Note: The rollup status computation algorithm could be slightly different in the both the applications.
controllerComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.1.1.38	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	controllerComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.38	ObjectStatusEnum	1: Other. 2: Unknown. 3: OK 4: Non-critical 5: Critical. 6: Non-recoverable.	
controllerNexusID	1.3.6.1.4.1.674.10893.1.20.130.1.1.39	DisplayString		Not Available				Alternatively, 'controllerFQDD' could be used to

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								identify a controller uniquely.
controllerAlarmState	1.3.6.1.4.1.674.10893.1.20.130.1.1.40	INTEGER	enabled(1), disabled(2), not-applicable(3)	Not Available				
controllerDriverVersion	1.3.6.1.4.1.674.10893.1.20.130.1.1.41	DisplayString		controllerDriverVersion	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.41	DisplayString		
controllerPCISlot	1.3.6.1.4.1.674.10893.1.20.130.1.1.42	DisplayString		controllerPCISlot	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.42	DisplayString		
controllerClusterMode	1.3.6.1.4.1.674.10893.1.20.130.1.1.43	INTEGER	enabled(1), disabled(2), active(3), notApplicable(99)	Not Available				
controllerMinFWVersion	1.3.6.1.4.1.674.10893.1.20.130.1.1.44	DisplayString		Not Available				Monitoring firmware versions is not supported in iDRAC agentless monitoring.
controllerMinDriverVersion	1.3.6.1.4.1.674.10893.1.20.130.1.1.45	DisplayString		Not Available				Monitoring driver versions is not supported in iDRAC agentless monitoring.
controllerSCSIInitiatorID	1.3.6.1.4.1.674.10893.1.20.130.1.1.46	INTEGER		Not Available				

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerChannelCount	1.3.6.1.4.1.674.10893.1.20.130.1.1.47	INTEGER		Not Available				Typically, all controllers reported here (through iDRAC agentless monitoring) have two channels (ports).
controllerReconstructRate	1.3.6.1.4.1.674.10893.1.20.130.1.1.48	INTEGER	0-100	controllerReconstructRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.48	INTEGER	0-100	
controllerPatrolReadRate	1.3.6.1.4.1.674.10893.1.20.130.1.1.49	INTEGER	0-100	controllerPatrolReadRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.49	INTEGER	0-100	
controllerBGIRate	1.3.6.1.4.1.674.10893.1.20.130.1.1.50	INTEGER	0-100	controllerBGIRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.50	INTEGER	0-100	
controllerCheckConsistencyRate	1.3.6.1.4.1.674.10893.1.20.130.1.1.51	INTEGER	0-100	controllerCheckConsistencyRate	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.51	INTEGER	0-100	
controllerPatrolReadMode	1.3.6.1.4.1.674.10893.1.20.130.1.1.52	INTEGER	automatic(1), manual(2), disabled(3)	controllerPatrolReadMode	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.52	INTEGER	other(1), notSupported(2), disabled(3), auto(4), manual(5)	

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerPatrolReadState	1.3.6.1.4.1.674.10893.1.20.130.1.1.53	INTEGER	stopped(1), ready(2), active(4), aborted(8)	controllerPatrolReadState	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.53	INTEGER	other(1), stopped(2), active(3)	
controllerPatrolReadIterations	1.3.6.1.4.1.674.10893.1.20.130.1.1.54	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
controllerStoragePortDriverVersion	1.3.6.1.4.1.674.10893.1.20.130.1.1.55	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
controllerMinimumRequiredStoragePortVer	1.3.6.1.4.1.674.10893.1.20.130.1.1.56	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
controllerEncryptionCapable	1.3.6.1.4.1.674.10893.1.20.130.1.1.57	INTEGER	1 - Capable, 99 - NotApplicable	controllerEncryptionCapability	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.74	INTEGER	other(1), none(2), lkm(3)	Note: The change in attribute OID and enumeration values.
controllerEncryptionKeyPresent	1.3.6.1.4.1.674.10893.1.20.130.1.1.58	INTEGER	1 - Yes, 0 - No, 99 - NotApplicable	controllerEncryptionKeyPresent	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.73	BooleanType	0 = FALSE, 1 = TRUE	Note: The change in attribute OID.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerPersistentHotSpare	1.3.6.1.4.1.674.10893.1.20.130.1.1.59	INTEGER	1 - Enabled, 0 - Disabled, 99 - Undetermined / Not applicable	controller Persistent HotSpare	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.59	BooleanType	0 = FALSE, 1 = TRUE	Note : The change in data type
controllerSpinDownUnconfiguredDrives	1.3.6.1.4.1.674.10893.1.20.130.1.1.60	INTEGER	1 - Enabled, 0 - Disabled, 99 - Undetermined / Not applicable	controller SpinDown UnconfiguredDrives	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.60	BooleanType	0 = FALSE, 1 = TRUE	Note : The change in data type
controllerSpinDownHotSpareDrives	1.3.6.1.4.1.674.10893.1.20.130.1.1.61	INTEGER	1 - Enabled, 0 - Disabled, 99 - Undetermined / Not applicable	controller SpinDown HotSpare Drives	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.61	BooleanType	0 = FALSE, 1 = TRUE	Note : The change in data type
controllerSpinDownTimeInterval	1.3.6.1.4.1.674.10893.1.20.130.1.1.62	INTEGER	30 - 1440	controller SpinDown TimeInterval	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.62	INTEGER	30 - 1440	

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerEncryptionMode	1.3.6.1.4.1.674.10893.1.20.130.1.1.63	INTEGER	0 - No Encryption, 1 - Local Key Management (LKM), 2 - Dell Key Management (DKM), 99 - Not Applicable	controllerSecurityStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.72	INTEGER	unknown(1), none(2), lkm(3)	Note: The change in attribute OID and enumeration values.
controllerCacheCade	1.3.6.1.4.1.674.10893.1.20.130.1.1.64	INTEGER	1 - Capable, 0 - Not Capable, 99 - Undetermined	Not Available				Attribute not reported in iDRAC agentless monitoring.
controllerSpinDownConfiguredDrives	1.3.6.1.4.1.674.10893.1.20.130.1.1.65	INTEGER	0 - Disabled, 1 - Enabled, 99 - Undetermined	Not Available				Attribute not reported in iDRAC agentless monitoring.
controllerAutomaticPowerSaving	1.3.6.1.4.1.674.10893.1.20.130.1.1.66	INTEGER	0 - Disabled, 1 - Enabled, 99 - Undetermined	Not Available				Attribute not reported in iDRAC agentless monitoring.
controllerConfiguredDrivesSpinUpTime	1.3.6.1.4.1.674.10893.1.20.130.1.1.67	DisplayString	1:00 AM to 12:59 PM, 9999 - Undetermined	Not Available				Attribute not reported in iDRAC agentless monitoring.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	controllerTable			Table	controllerTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
controllerConfiguredDrivesSpinUpTimeInterval	1.3.6.1.4.1.674.10893.1.20.130.1.1.68	INTEGER	1 .. 24, 9999 - Undetermined	Not Available				Attribute not reported in iDRAC agentless monitoring.
controllerReservedCache	1.3.6.1.4.1.674.10893.1.20.130.1.1.69	INTEGER	1- Yes, 0 - No, 99 - Not Available / Not applicable	controllerReservedCache	1.3.6.1.4.1.674.10892.5.5.1.20.130.1.1.69	BooleanType	0 = FALSE, 1 = TRUE	

Table 34. physicalDevices/enclosureTable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.1	INTEGER		enclosureNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.1	INTEGER		
enclosureName	1.3.6.1.4.1.674.10893.1.20.130.3.1.2	DisplayString		enclosureName	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.2	DisplayString		The name strings may not be exactly identical. Note: The name is constructed in the format: <Model

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								Name> <Connected port> <enclosure position>.
enclosureVendor	1.3.6.1.4.1.674.10893.1.20.130.3.1.3	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosureState	1.3.6.1.4.1.674.10893.1.20.130.3.1.4	INTEGER	ready(1), failed(2), online(3), offline(4), degraded(6)	enclosureState	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	
enclosureSeverity	1.3.6.1.4.1.674.10893.1.20.130.3.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
enclosureID	1.3.6.1.4.1.674.10893.1.20.130.3.1.6	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Use the enclosureNumber instead.
enclosureProcessorVersion	1.3.6.1.4.1.674.10893.1.20.130.3.1.7	DisplayString		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureServiceTag	1.3.6.1.4.1.674.10893.1.20.130.3.1.8	DisplayString		enclosureServiceTag	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.8	DisplayString		
enclosureAssetTag	1.3.6.1.4.1.674.10893.1.20.130.3.1.9	DisplayString		enclosureAssetTag	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.9	DisplayString		
enclosureAssetName	1.3.6.1.4.1.674.10893.1.20.130.3.1.10	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosureSplitBusPartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.11	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosureProductID	1.3.6.1.4.1.674.10893.1.20.130.3.1.12	DisplayString		Not Available				Enclosure model name is available as part of <i>enclosureName</i> in iDRAC
enclosureKernelVersion	1.3.6.1.4.1.674.10893.1.20.130.3.1.13	DisplayString		Not Applicable				Obsolete in OMSS.
enclosureESM1PartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.14	DisplayString		Not Applicable				Obsolete in OMSS.
enclosureESM2PartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.15	DisplayString		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureType	1.3.6.1.4.1.674.10893.1.20.130.3.1.16	INTEGER	internal(1), dELLPV200S PV201S(2), dELLPV210S PV211S(3), dELLPV220S PV221S(4), dELLPV660F(5), dELLPV2 24F(6), dELL PV660F224F(7), md1000(8), md1120(9), md1200(10), md1220(11)	Not Available				To determine whether it is a backplane (internal) or an enclosure (external), the 'enclosureFQDD' or 'enclosureDisplayName' can be used. Typically, the former contain the string "Internal" and latter "External".
enclosureProcessor2Version	1.3.6.1.4.1.674.10893.1.20.130.3.1.17	DisplayString		Not Applicable				Obsolete in OMSS.
enclosureConfig	1.3.6.1.4.1.674.10893.1.20.130.3.1.18	INTEGER	joined(1), splitBus(2), clustered(3), unified(4)	Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosureChannelNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.19	INTEGER		enclosure Connected Port	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.19	DisplayString		Note: The change in data type
enclosureAlarm	1.3.6.1.4.1.674.10893.1.20.130.3.1.20	INTEGER	disabled(1), enabled(2)	Not Available				Attribute not reported in iDRAC agentless monitoring.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureBackplanePartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.21	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosureSCSIIID	1.3.6.1.4.1.674.10893.1.20.130.3.1.22	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosureRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.3.1.23	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosureRollUpStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.23	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
enclosureComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.3.1.24	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosureComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.24	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
enclosureNexusID	1.3.6.1.4.1.674.10893.1.20.130.3.1.25	DisplayString		Not Available				Use the <i>enclosureFQDD</i> in iDRAC to uniquely identify the enclosure.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureFirmwareVersion	1.3.6.1.4.1.674.10893.1.20.130.3.1.26	DisplayString		enclosureFirmwareVersion	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.26	DisplayString		
enclosureSCSIRate	1.3.6.1.4.1.674.10893.1.20.130.3.1.27	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosurePartNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.28	DisplayString		Not Available				
enclosureSerialNumber	1.3.6.1.4.1.674.10893.1.20.130.3.1.29	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Use the <i>enclosureServiceTag</i> instead.
enclosureSASAddress	1.3.6.1.4.1.674.10893.1.20.130.3.1.30	DisplayString		enclosureSASAddress	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.30	DisplayString		
enclosureOccupiedSlotCount	1.3.6.1.4.1.674.10893.1.20.130.3.1.31	INTEGER		enclosureDriveCount	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.31	INTEGER		
enclosureTotalSlots	1.3.6.1.4.1.674.10893.1.20.130.3.1.32	INTEGER		enclosureTotalSlots	1.3.6.1.4.1.674.10892.5.5.1.20.130.3.1.32	INTEGER		
enclosureEmptySlotCount	1.3.6.1.4.1.674.10893.1.20.130.3.1.33	INTEGER		Not Available				Attribute not explicitly reported in iDRAC agentless monitoring. This can be computed by the formula : 'enclosureTotalSlots' –

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureTable			Table	enclosureTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								'enclosureDriveCount'
enclosureExpressServiceCode	1.3.6.1.4.1.674.10893.1.20.130.3.1.34	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.

Table 35. OMSS physicalDevices/arrayDiskTable and iDRAC physicalDevices/physicalDiskTable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskNumber	1.3.6.1.4.1.674.10893.1.20.130.4.1.1	INTEGER		physicalDiskNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.1	INTEGER		
arrayDiskName	1.3.6.1.4.1.674.10893.1.20.130.4.1.2	DisplayString		physicalDiskName	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.2	DisplayString		The name strings may not be exactly identical.
arrayDiskVendor	1.3.6.1.4.1.674.10893.1.20.130.4.1.3	DisplayString		physicalDiskManufacturer	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.3	DisplayString		The attribute values may not be exactly identical
arrayDiskState	1.3.6.1.4.1.674.10893.1.20.130.4.1.4	INTEGER	ready(1), failed(2), online(3), offline(4), degraded(6), recovering(7), removed(11), non-raid(13), resynching(15), rebuild(24), noMedia(25), formatting(26), diagnostics(28), predictiveFailure(34),	physicalDiskState	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.4	INTEGER	unknown(1), ready(2), online(3), foreign(4), offline(5), blocked(6), failed(7), non-raid(8), removed(9)	Note the minor changes in enumeration values. The <i>physicalDiskOperationalState</i> can also be used.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
			initializing(35), foreign(39), clear(40), unsupported(41), incompatible(53)					
arrayDiskSeverity	1.3.6.1.4.1.674.10893.1.20.130.4.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
arrayDiskProductID	1.3.6.1.4.1.674.10893.1.20.130.4.1.6	DisplayString		physicalDiskProductID	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.6	DisplayString		
arrayDiskSerialNo	1.3.6.1.4.1.674.10893.1.20.130.4.1.7	DisplayString		physicalDiskSerialNo	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.7	DisplayString		
arrayDiskRevision	1.3.6.1.4.1.674.10893.1.20.130.4.1.8	DisplayString		physicalDiskRevision	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.8	DisplayString		
arrayDiskEnclosureID	1.3.6.1.4.1.674.10893.1.20.130.4.1.9	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage hints for more information.
arrayDiskChannel	1.3.6.1.4.1.674.10893.1.20.130.4.1.10	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								hints for more information.
arrayDiskLengthInMB	1.3.6.1.4.1.674.10893.1.20.130.4.1.11	INTEGER		physicalDiskCapacityInMB	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.11	INTEGER		
arrayDiskLengthInBytes	1.3.6.1.4.1.674.10893.1.20.130.4.1.12	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring. The disk sizes are typically in multiples of MBs.
arrayDiskLargeStContiguousFreeSpaceInMB	1.3.6.1.4.1.674.10893.1.20.130.4.1.13	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskLargeStContiguousFreeSpaceInBytes	1.3.6.1.4.1.674.10893.1.20.130.4.1.14	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskTargetID	1.3.6.1.4.1.674.10893.1.20.130.4.1.15	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskLunID	1.3.6.1.4.1.674.10893.1.20.130.4.1.16	INTEGER		Not Available				Attribute not reported in iDRAC

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								agentless monitoring.
arrayDiskUsedSpaceInMB	1.3.6.1.4.1.674.10893.1.20.130.4.1.17	INTEGER		physicalDiskUsedSpaceInMB	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.17	INTEGER		
arrayDiskUsedSpaceInBytes	1.3.6.1.4.1.674.10893.1.20.130.4.1.18	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring. The disk sizes are typically in multiples of MBs.
arrayDiskFreeSpaceInMB	1.3.6.1.4.1.674.10893.1.20.130.4.1.19	INTEGER		physicalDiskFreeSpaceInMB	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.19	INTEGER		
arrayDiskFreeSpaceInBytes	1.3.6.1.4.1.674.10893.1.20.130.4.1.20	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring. The disk sizes are typically in multiples of MBs.
arrayDiskBusType	1.3.6.1.4.1.674.10893.1.20.130.4.1.21	INTEGER	scsi(1), ide(2), fibre(3), ssa(4), usb(6), sata(7), sas(8), pcie(9)	physicalDiskBusType	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.21	INTEGER	unknown(1), scsi(2), sas(3), sata(4), fibre(5)	Note the minor change in enumeration values.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskSpareState	1.3.6.1.4.1.674.10893.1.20.130.4.1.22	INTEGER	memberVD(1), globalHotSpare(3), dedicatedHotSpare(4), notASpare(5), notApplicable(99)	physicalDiskSpareState	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.22	INTEGER	notASpare(1), dedicatedHotSpare(2), globalHotSpare(3)	Note the minor change in enumeration values.
arrayDiskRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.4.1.23	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC agentless monitoring. Use the <i>physicalDiskComponentStatus</i> instead.
arrayDiskComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.4.1.24	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	physicalDiskComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.24	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
arrayDiskDeviceName	1.3.6.1.4.1.674.10893.1.20.130.4.1.25	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskNexusID	1.3.6.1.4.1.674.10893.1.20.130.4.1.26	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage hints for more information.
arrayDiskPartNumber	1.3.6.1.4.1.674.10893.1.20.130.4.1.27	DisplayString		physicalDiskPartNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.27	DisplayString		
arrayDiskSASAddress	1.3.6.1.4.1.674.10893.1.20.130.4.1.28	DisplayString		physicalDiskSASAddress	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.28	DisplayString		
arrayDiskNegotiatedSpeed	1.3.6.1.4.1.674.10893.1.20.130.4.1.29	INTEGER		physicalDiskNegotiatedSpeed	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.29	INTEGER	unknown(1), oneDotFiveGbps(2), threeGbps(3), sixGbps(4)	
arrayDiskCapableSpeed	1.3.6.1.4.1.674.10893.1.20.130.4.1.30	INTEGER		physicalDiskCapableSpeed	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.30	INTEGER	unknown(1), oneDotFiveGbps(2), threeGbps(3), sixGbps(4)	
arrayDiskSmartAlertIndication	1.3.6.1.4.1.674.10893.1.20.130.4.1.31	INTEGER	no(1), yes(2)	physicalDiskSmartAlertIndication	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.31	BooleanType	0 = FALSE, 1 = TRUE	Note the change in data type.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskManufactureDay	1.3.6.1.4.1.674.10893.1.20.130.4.1.32	DisplayString		physicalDiskManufactureDay	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.32	DisplayString		A value of "0" indicates data not available.
arrayDiskManufactureWeek	1.3.6.1.4.1.674.10893.1.20.130.4.1.33	DisplayString		physicalDiskManufactureWeek	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.33	DisplayString		A value of "0" indicates data not available.
arrayDiskManufactureYear	1.3.6.1.4.1.674.10893.1.20.130.4.1.34	DisplayString		physicalDiskManufactureYear	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.34	DisplayString		A value of "0" indicates data not available.
arrayDiskMediaType	1.3.6.1.4.1.674.10893.1.20.130.4.1.35	INTEGER	unknown(1), hdd(2), ssd(3)	physicalDiskMediaType	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.35	INTEGER	unknown(1), hdd(2), ssd(3)	
arrayDiskDellCertified	1.3.6.1.4.1.674.10893.1.20.130.4.1.36	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskAltaVendorId	1.3.6.1.4.1.674.10893.1.20.130.4.1.37	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskAltaProductId	1.3.6.1.4.1.674.10893.1.20.130.4.1.38	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskAltRevisionId	1.3.6.1.4.1.674.10893.1.20.130.4.1.39	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskEncryptionCapable	1.3.6.1.4.1.674.10893.1.20.130.4.1.40	INTEGER	1 - Capable, 0 - Not Capable, 99 - Not Applicable	physicalDiskSecurityStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.52	INTEGER	other(1), notSupported(2), secured(3), locked(4), foreign(5)	The security status values have been re-grouped in iDRAC monitoring under a single attribute – <i>physicalDiskSecurityStatus</i> . A value of other(1) could indicate the device is not security capable.
arrayDiskEncrypted	1.3.6.1.4.1.674.10893.1.20.130.4.1.41	INTEGER	1 - Yes, 0 - No, 99 - Not Applicable	Not Available				The security status values have been re-grouped in iDRAC monitoring under a single attribute – <i>physicalDiskSecurityStatus</i> . A value of other(1) could indicate the device is not security capable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskPowerState	1.3.6.1.4.1.674.10893.1.20.130.4.1.42	INTEGER	0 - Spun up, 1- Spun down, 255 - Transition	physicalDiskPowerState	1.3.6.1.4.1.674.10892.5.5.1.20.130.4.1.42	INTEGER	other(1), spunUp(2), spunDown(3), transition(4)	Note the change in enumeration values.
arrayDiskDriveWriteCache	1.3.6.1.4.1.674.10893.1.20.130.4.1.43	INTEGER	1 - Enabled, 0 - Disabled, 99 - Undetermined/Not Applicable	Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskModeINumber	1.3.6.1.4.1.674.10893.1.20.130.4.1.44	DisplayString	0..100, 999 - Undetermined/Not Applicable	Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskLifeRemaining	1.3.6.1.4.1.674.10893.1.20.130.4.1.45	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
arrayDiskDriveVersion	1.3.6.1.4.1.674.10893.1.20.130.4.1.46	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	arrayDiskTable			Table	physicalDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
arrayDiskDeviceLifeStatus	1.3.6.1.4.1.674.10893.1.20.130.4.1.47	INTEGER	-1: Not Available / Not Applicable 1: Drive Health Good 2: Approaching Warranty Coverage Expiry 3: Warranty Coverage Expired 4: Approaching Read Only 5: Read Only"	Not Available				Attribute not reported in iDRAC agentless monitoring.

Table 36. OMSS physicalDevices/fanTable and iDRAC physicalDevices/encloseFanTable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	fanTable			Table	enclosureFanTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
fanNumber	1.3.6.1.4.1.674.10893.1.20.130.7.1.1	DisplayString		enclosureFanNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.1	INTEGER		Note the change in data type
fanName	1.3.6.1.4.1.674.10893.1.20.130.7.1.2	DisplayString		enclosureFanName	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.2	DisplayString		
fanVendor	1.3.6.1.4.1.674.10893.1.20.130.7.1.3	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
fanState	1.3.6.1.4.1.674.10893.1.20.130.7.1.4	DisplayString	ready(1), failed(2), degraded(6), removed(11), missing(21)	enclosureFanState	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	Note the minor changes in data type and enumeration values.
fanSeverity	1.3.6.1.4.1.674.10893.1.20.130.7.1.5	DisplayString	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
fanProbeUnit	1.3.6.1.4.1.674.10893.1.20.130.7.1.6	DisplayString		Not Applicable				Obsolete in OMSS.
fanProbeMinWarning	1.3.6.1.4.1.674.10893.1.20.130.7.1.7	DisplayString		Not Applicable				Obsolete in OMSS.
fanProbeMinCritical	1.3.6.1.4.1.674.10893.1.20.130.7.1.8	DisplayString		Not Applicable				Obsolete in OMSS.
fanProbeMaxWarning	1.3.6.1.4.1.674.10893.1.20.130.7.1.9	DellStatus		Not Applicable				Obsolete in OMSS.
fanProbeMaxCritical	1.3.6.1.4.1.674.10893.1.20.130.7.1.10	DellStatus		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	fanTable			Table	enclosureFanTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
fanProbeCurrValue	1.3.6.1.4.1.674.10893.1.20.130.7.1.1.1	DisplayString		enclosureFanSpeed	1.3.6.1.4.1.674.10892.5.5.1.20.130.7.1.11	INTEGER	Unknown(1), stopped(2), slow(3), medium(4), fast(5)	Note the change in data type
fan1PartNumber	1.3.6.1.4.1.674.10893.1.20.130.7.1.1.2	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Use the <i>enclosurePowerSupplyPartNumber</i> instead.
fan2PartNumber	1.3.6.1.4.1.674.10893.1.20.130.7.1.1.3			Not Applicable				Obsolete in OMSS.
fanRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.7.1.1.4		1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC agentless monitoring. Use the <i>enclosureFanComponentStatus</i> instead.
fanComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.7.1.1.5		1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable"	enclosureFanComponentStatus		ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5),	

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	fanTable			Table	enclosureFanTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
							nonRecoverable(6)	
fanNexusID	1.3.6.1.4.1.674.10893.1.20.130.7.1.16			Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage hints for more information.
fanRevision	1.3.6.1.4.1.674.10893.1.20.130.7.1.17			Not Available				Attribute not reported in iDRAC agentless monitoring.

Table 37. OMSS physicalDevices / powerSupplyTable and iDRAC physicalDevices / enclosurePowerSupplyTable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	powerSupplyTable			Table	enclosurePowerSupplyTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
powerSupplyNumber	1.3.6.1.4.1.674.10893.1.20.130.9.1.1	INTEGER		enclosurePowerSupplyNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.1	INTEGER		
powerSupplyName	1.3.6.1.4.1.674.10893.1.20.130.9.1.2	DisplayString		enclosurePowerSupplyName	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.2.2	DisplayString		
powerSupplyVendor	1.3.6.1.4.1.674.10893.1.20.130.9.1.3	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
powerSupplyState	1.3.6.1.4.1.674.10893.1.20.130.9.1.4	INTEGER	ready(1), failed(2), notInstalled(5), degraded(6), removed(11), missing(21)	enclosurePowerSupplyState	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	Note the minor changes in enumeration values.
powerSupplySeverity	1.3.6.1.4.1.674.10893.1.20.130.9.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
powerSupply1PartNumber	1.3.6.1.4.1.674.10893.1.20.130.9.1.6	DisplayString		enclosurePowerSupplyPartNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.7	DisplayString		Note the change in attribute OID..
powerSupply2PartNumber	1.3.6.1.4.1.674.10893.1.20.130.9.1.7	DisplayString		Not Applicable				Obsolete in OMSS.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	powerSupplyTable			Table	enclosurePowerSupplyTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
powerSupplyRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.9.1.8	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC agentless monitoring. Use the <i>enclosurePowerSupplyComponentStatus</i> instead.
powerSupplyComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.9.1.9	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosurePowerSupplyComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.9.1.9	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
powerSupplyNexusID	1.3.6.1.4.1.674.10893.1.20.130.9.1.10	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage hints for more information.
powerSupplyRevision	1.3.6.1.4.1.674.10893.1.20.130.9.1.11	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.

Table 38. OMSS physicalDevices/temperatureProbeTable and iDRAC physicalDevices/enclosureTemperatureProbeTable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	temperatureProbeTable			Table	enclosureTemperatureProbeTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
temperatureProbeNumber	1.3.6.1.4.1.674.10893.1.20.130.11.1.1	INTEGER		enclosureTemperatureProbeNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.1	INTEGER		
temperatureProbeName	1.3.6.1.4.1.674.10893.1.20.130.11.1.2	DisplayString		enclosureTemperatureProbeName	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.2	DisplayString		
temperatureProbeVendor	1.3.6.1.4.1.674.10893.1.20.130.11.1.3	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
temperatureProbeState	1.3.6.1.4.1.674.10893.1.20.130.11.1.4	INTEGER	ready(1), failed(2), offline(4), degraded(6), inactive(9), missing(21)	enclosureTemperatureProbeState	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	Note the minor changes in enumeration values.
temperatureProbeSeverity	1.3.6.1.4.1.674.10893.1.20.130.11.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
temperatureProbeUnit	1.3.6.1.4.1.674.10893.1.20.130.11.1.6	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. The temperatures in this table are

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	temperatureProbeTable			Table	enclosureTemperatureProbeTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								reported in degree Celsius.
temperatureProbeMinWarning	1.3.6.1.4.1.674.10893.1.20.130.11.1.7	INTEGER		enclosureTemperatureProbeMinWarningValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.7	INTEGER		
temperatureProbeMinCritical	1.3.6.1.4.1.674.10893.1.20.130.11.1.8	INTEGER		enclosureTemperatureProbeMinCriticalValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.8	INTEGER		
temperatureProbeMaxWarning	1.3.6.1.4.1.674.10893.1.20.130.11.1.9	INTEGER		enclosureTemperatureProbeMaxWarningValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.9	INTEGER		
temperatureProbeMaxCritical	1.3.6.1.4.1.674.10893.1.20.130.11.1.10	INTEGER		enclosureTemperatureProbeMaxCriticalValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.10	INTEGER		
temperatureProbeCurValue	1.3.6.1.4.1.674.10893.1.20.130.11.1.11	INTEGER		enclosureTemperatureProbeCurValue	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.11	INTEGER		

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	temperatureProbeTable			Table	enclosureTemperatureProbeTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
temperatureProbeRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.11.1.12	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC agentless monitoring. Use the <i>enclosureTemperatureProbeComponentStatus</i> instead.
temperatureProbeComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.11.1.13	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosureTemperatureProbeComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.11.1.13	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
temperatureProbeNexusID	1.3.6.1.4.1.674.10893.1.20.130.11.1.14	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage hints for more information.

Table 39. physicalDevices/enclosureManagementModuleTable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureManagementModuleTable			Table	enclosureManagementModuleTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureManagementModuleNumber	1.3.6.1.4.1.674.10893.1.20.130.13.1.1	INTEGER		enclosureManagementModuleNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.1	INTEGER		
enclosureManagementModuleName	1.3.6.1.4.1.674.10893.1.20.130.13.1.2	DisplayString		enclosureManagementModuleName	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.2	DisplayString		
enclosureManagementModuleVendor	1.3.6.1.4.1.674.10893.1.20.130.13.1.3	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosureManagementModuleState	1.3.6.1.4.1.674.10893.1.20.130.13.1.4	INTEGER	ready(1), failed(2), online(3), offline(4), notInstalled(5), degraded(6), missing(21)	enclosureManagementModuleState	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.4	INTEGER	unknown(1), ready(2), failed(3), missing(4), degraded(5)	Note the minor changes in enumeration values.
enclosureManagementModuleSeverity	1.3.6.1.4.1.674.10893.1.20.130.13.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
enclosureManagementModulePartNumber	1.3.6.1.4.1.674.10893.1.20.130.13.1.6	DisplayString		enclosureManagementModulePartNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.6	DisplayString		

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureManagementModuleTable			Table	enclosureManagementModuleTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureManagementModuleType	1.3.6.1.4.1.674.10893.1.20.130.13.1.7	INTEGER	eMM(1), termination Card(2)	Not Available				Only the device type. Enclosure Management Module (EMM) is supported in iDRAC agentless monitoring.
enclosureManagementModuleFWVersion	1.3.6.1.4.1.674.10893.1.20.130.13.1.8	DisplayString		enclosureManagementModuleFWVersion	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.8	DisplayString		
enclosureManagementModuleMaxSpeed	1.3.6.1.4.1.674.10893.1.20.130.13.1.9	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
enclosureManagementModuleRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.13.1.10	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC agentless monitoring. Use the <i>enclosureManagementModuleComponentStatus</i> instead.
enclosureManagementModuleComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.13.1.11	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	enclosureManagementModuleComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.13.1.11	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	enclosureManagementModuleTable			Table	enclosureManagementModuleTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
enclosureManagementModuleNexusID	1.3.6.1.4.1.674.10893.1.20.130.13.1.12	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage hints for more information.
enclosureManagementModuleRevision	1.3.6.1.4.1.674.10893.1.20.130.13.1.13	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.

Table 40. physicalDevices/batteryTable

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	batteryTable			Table	batteryTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
batteryNumber	1.3.6.1.4.1.674.10893.1.20.130.15.1.1	INTEGER		batteryNumber	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.1	INTEGER		
batteryName	1.3.6.1.4.1.674.10893.1.20.130.15.1.2	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
batteryVendor	1.3.6.1.4.1.674.10893.1.20.130.15.1.3	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
batteryState	1.3.6.1.4.1.674.10893.1.20.130.15.1.4	INTEGER	ready(1), failed(2), degraded(6), reconditioning(7), high(9), low(10), charging(12), missing(21), learning(36)	batteryState	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.4	INTEGER	unknown(1), ready(2), failed(3), degraded(4), missing(5), charging(6), belowThreshold(7)	Note the minor changes in enumeration values.
batteryRollUpStatus	1.3.6.1.4.1.674.10893.1.20.130.15.1.5	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC agentless monitoring. Use the <i>batteryComponentStatus</i> instead.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	batteryTable			Table	batteryTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
batteryComponentStatus	1.3.6.1.4.1.674.10893.1.20.130.15.1.6	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	batteryComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.6	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
batteryChargeCount	1.3.6.1.4.1.674.10893.1.20.130.15.1.7	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
batteryMaxChargeCount	1.3.6.1.4.1.674.10893.1.20.130.15.1.8	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
batteryNexusID	1.3.6.1.4.1.674.10893.1.20.130.15.1.9	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage hints for more information.
batteryPredictedCapacity	1.3.6.1.4.1.674.10893.1.20.130.15.1.10	INTEGER	failed(1), ready(2), unknown(4)	batteryPredictedCapacity	1.3.6.1.4.1.674.10892.5.5.1.20.130.15.1.10	INTEGER	unknown(1), failed(2), ready(3)	Note: This is deprecated and will be removed in a future release.
batteryNextLearnTime	1.3.6.1.4.1.674.10893.1.20.130.15.1.11	INTEGER		Not Available				Attribute not reported in iDRAC

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	batteryTable			Table	batteryTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
								agentless monitoring.
batteryLearnState	1.3.6.1.4.1.674.10893.1.20.130.15.1.12	INTEGER	failed(1), active(2), timedOut(4), requested(8), idle(16), due(32)	Not Available				Attribute not reported in iDRAC agentless monitoring.
batteryID	1.3.6.1.4.1.674.10893.1.20.130.15.1.13	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring. Use <i>batteryFQDD</i> for uniqueness.
batteryMaxLearnDelay	1.3.6.1.4.1.674.10893.1.20.130.15.1.14	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring.
batteryLearnMode	1.3.6.1.4.1.674.10893.1.20.130.15.1.15	INTEGER	auto(1), warn(2), autowarn(4), unknown(8)	Not Available				Attribute not reported in iDRAC agentless monitoring.

Table 41. OMSS logicalDevices/virtualDiskTable and iDRAC physicalDevices/virtualDiskTable.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskNumber	1.3.6.1.4.1.674.10893.1.20.140.1.1.1	INTEGER		virtualDiskNumber	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.1	INTEGER		
virtualDiskName	1.3.6.1.4.1.674.10893.1.20.140.1.1.2	DisplayString		virtualDiskName	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.2	DisplayString		
virtualDiskDeviceName	1.3.6.1.4.1.674.10893.1.20.140.1.1.3	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring.
virtualDiskState	1.3.6.1.4.1.674.10893.1.20.140.1.1.4	INTEGER	ready(1), failed(2), online(3), offline(4), degraded(6), verifying(7), resynching(15),regenerating(16),failed Redundancy (18), rebuilding(24), formatting(26),reconstructing(32),initializing(35),backgroundlnit(36),permanentlyDegraded(52)	virtualDiskState	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.4	INTEGER	unknown(1), online(2), failed(3), degraded(4)	Note the minor changes in enumeration values. The <i>virtualDiskOperationalState</i> can also be used.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskSeverity	1.3.6.1.4.1.674.10893.1.20.140.1.1.5	INTEGER	warning(1), error(2), failure(3)	Not Applicable				Obsolete in OMSS.
virtualDiskLengthInMB	1.3.6.1.4.1.674.10893.1.20.140.1.1.6	INTEGER		virtualDiskSizeInMB	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.6	INTEGER		
virtualDiskLengthInBytes	1.3.6.1.4.1.674.10893.1.20.140.1.1.7	INTEGER		Not Available				Attribute not reported in iDRAC agentless monitoring. The virtual disk sizes are typically in multiples of MBs.
virtualDiskFreeSpaceInMB	1.3.6.1.4.1.674.10893.1.20.140.1.1.8	INTEGER		Not Applicable				Obsolete in OMSS.
virtualDiskFreeSpaceInBytes	1.3.6.1.4.1.674.10893.1.20.140.1.1.9	INTEGER		Not Applicable				Obsolete in OMSS.
virtualDiskWritePolicy	1.3.6.1.4.1.674.10893.1.20.140.1.1.10	INTEGER	enabled(1), disabled(2), writeBack(3), writeThrough(4), enabledAlways(5), enabledAlwaysSAS(6), not Applicable(9)	virtualDiskWritePolicy	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.10	INTEGER	writeThrough(1), writeBack(2), writeBackForce(3)	Note the minor changes in enumeration values.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskReadPolicy	1.3.6.1.4.1.674.10893.1.20.140.1.1.11	INTEGER	enabled(1), disabled(2), readAhead(3), adaptiveReadAhead(4), noReadAhead(5), notApplicable(9)	virtualDiskReadPolicy	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.11	INTEGER	noReadAhead(1), readAhead(2), adaptiveReadAhead(3)	Note the minor changes in enumeration values.
virtualDiskCachePolicy	1.3.6.1.4.1.674.10893.1.20.140.1.1.12	INTEGER	directIO(1), cachedIO(2), not-applicable(99)	Not Available				Attribute not reported in iDRAC agentless monitoring.
virtualDiskLayout	1.3.6.1.4.1.674.10893.1.20.140.1.1.13	INTEGER	concatenated(1), raid-0(2), raid-1(3), raid-2(4), raid-3(5), raid-4(6), raid-5(7), raid-6(8), raid-7(9), raid-10(10), raid-30(11), raid-50(12), addSpares(13), deleteLogical(14), transformLogical(15)	virtualDiskLayout	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.13	INTEGER	other(1), r0(2), r1(3), r5(4), r6(5), r10(6), r50(7), r60(8), concatRaid-1(9), concatRaid-5(10)	Note the minor changes in enumeration values.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
			15), raid-0-plus-1(18), concatRaid-1(19), concatRaid-5(20), noRaid(21), volume(22), raidMorph(23), raid-60(24), cacheCade(25)					
virtualDiskCurStripeSizeInMB	1.3.6.1.4.1.674.10893.1.20.140.1.1.14	INTEGER		virtualDiskStripeSize	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.14	INTEGER	other(1), default(2), fiveHundredAndTwelvebytes(3), oneKilobytes(4), twoKilobytes(5), fourKilobytes(6), eightKilobytes(7), sixteenKilobytes(8), thirtyTwoKilobytes(	Note the minor changes in enumeration values. In iDRAC monitoring, the <i>virtualDiskCurStripeSizeInMB</i> and <i>virtualDiskCurStripeSizeInBytes</i> (of OMSS) are grouped under <i>virtualDiskStripeSize</i> .

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
							9), sixtyFourKilobytes(10), oneTwentyEightKilobytes(11), twoFiftySixKilobytes(12), fiveOneTwoKilobytes(13), oneMegabyte(14), twoMegabytes(15), fourMegabytes(16), eightMegabytes(17), sixteenMegabytes(18)	
virtualDiskCurStripeSizeInBytes	1.3.6.1.4.1.674.10893.1.20.140.1.1.15	INTEGER		Not Available				Refer to <i>virtualDiskStripeSize</i> of iDRAC.
virtualDiskChannel	1.3.6.1.4.1.674.10893.1.20.140.1.1.16	INTEGER		Not Applicable				Obsolete in OMSS.
virtualDiskTargetID	1.3.6.1.4.1.674.10893.1.20.140.1.1.17	INTEGER		Not Available				Use <i>virtualDiskFQDD</i> instead.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskLunID	1.3.6.1.4.1.674.10893.1.20.140.1.1.18	INTEGER		Not Applicable				Obsolete in OMSS.
virtualDiskRollUpStatus	1.3.6.1.4.1.674.10893.1.20.140.1.1.19	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	Not Available				Attribute not reported in iDRAC agentless monitoring. Use <i>virtualDiskComponentStatus</i> instead.
virtualDiskComponentStatus	1.3.6.1.4.1.674.10893.1.20.140.1.1.20	DellStatus	1: Other 2: Unknown 3: OK 4: Non-critical 5: Critical 6: Non-recoverable	virtualDiskComponentStatus	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.20	ObjectStatusEnum	other(1), unknown(2), ok(3), nonCritical(4), critical(5), nonRecoverable(6)	
virtualDiskNextUsID	1.3.6.1.4.1.674.10893.1.20.140.1.1.21	DisplayString		Not Available				Attribute not reported in iDRAC agentless monitoring. Refer to the FQDD usage hints for more information.
virtualDiskArrayDiskType	1.3.6.1.4.1.674.10893.1.20.140.1.1.22	INTEGER	sas(1), sata(2), scsi(3), ide(4), unknown(99)	virtualDiskAvailableProtocols	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.32	DisplayString		Note the change in attribute OID and data type.

OMSS				iDRAC				Comments
Group	physicalDevices			Group	physicalDevices			
Table	virtualDiskTable			Table	virtualDiskTable			
Attribute Name	OID	Data Type	Possible values	Attribute Name	OID	Data Type	Possible Values	
virtualDiskBadBlocksDetected	1.3.6.1.4.1.674.10893.1.20.140.1.1.23	INTEGER	0 - No, 1 - Yes, 2 - Not Applicable, 99 - Unknown	virtualDiskBadBlocksDetected	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.23	Boolean Type	0 = FALSE, 1 = TRUE	Not the change in data type
virtualDiskEncrypted	1.3.6.1.4.1.674.10893.1.20.140.1.1.24	INTEGER	0 - No, 1 - Yes, 99 - Unknown	virtualDiskSecured	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.24	Boolean Type	0 = FALSE, 1 = TRUE	Note the change in data type
virtualDiskIsCacheCade	1.3.6.1.4.1.674.10893.1.20.140.1.1.25	INTEGER	1 - Yes, 0 - No, 99 - Undetermined	virtualDiskIsCacheCade	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.25	Boolean Type	0 = FALSE, 1 = TRUE	Note the change in data type
virtualDiskDiskCachePolicy	1.3.6.1.4.1.674.10893.1.20.140.1.1.26	INTEGER	1 - Enabled, 2 - Disabled, 99 - Undetermined	virtualDiskDiskCachePolicy	1.3.6.1.4.1.674.10892.5.5.1.20.140.1.1.26	INTEGER	enabled(1), disabled(2), default(3)	Note minor changes in enumeration values.

Additional SNMP data supported by iDRAC

In addition to the above tables, there are SNMP data provided by iDRAC that are not directly aligned with data from either the OMSA or OMSS MIBs.

The following two additional groups of data are supported in iDRAC:

1.3.6.1.4.1.674.10892.5.1	informationGroup
1.3.6.1.4.1.674.10892.5.2	statusGroup

These two groups were supported as of the iDRAC v1.0.0 firmware release while the above tables aligned with OMSA and OMSS MIBs are supported by iDRAC firmware version v1.30.30 and later.

Most of the data supplied by the "informationGroup" and "statusGroup" are found within the various server/system tables. These two groups provide an alternate method to accessing a subset of the data provided by iDRAC via the tables, particularly for management consoles requiring only basic information from iDRAC via SNMP.



Summary

Using the iDRAC MIB, SNMP-based management consoles can inventory and monitor the health of PowerEdge servers and associated storage. By utilizing this out-of-band data and alerting from the iDRAC, administrators can manage their PowerEdge servers without requiring the installation of OS-agents.

References

- Dell Techcenter is a repository of product documentation, whitepapers and how-to videos. Use the following links to access the Techcenter home pages for iDRAC and OMSA/OMSS:

www.delltechcenter.com/iDRAC

www.delltechcenter.com/OMSA

- For an overview of using iDRAC for agent-free server monitoring, view this whitepaper:

http://en.community.dell.com/techcenter/extras/m/white_papers/20074755.aspx

- Use the following link to download the MIB files for OpenManage 8.3 and iDRAC v2.30.30.30:

<http://www.dell.com/support/home/us/en/19/Drivers/DriversDetails?driverId=MCKMY>

From the downloaded file "Dell-OM-MIBS-830_A00.zip", you can extract the OpenManage 8.3 MIB files for OMSA - 10892.mib - and for OMSS - dcstorag.mib.

The zip file also contains the iDRAC MIB for firmware release v2.30.30. The SMIv1 MIB file - iDRAC-SMIv1.mib - and the SMIv2 MIB file - iDRAC-SMIv2.mib.

- The following white paper describes accessing SNMP information from iDRAC using SNMPv3:

http://en.community.dell.com/techcenter/extras/m/white_papers/20249888.aspx

