Dell EMC Repository Manager Version 3.0

User's Guide

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Notes, cautions, and warnings

ⓘ | **NOTE: A NOTE indicates important information that helps you make better use of your product.**

△ | **CAUTION: A CAUTION indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.**

⚠ | **WARNING: A WARNING indicates a potential for property damage, personal injury, or death.**

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Overview

The Dell EMC Repository Manager (DRM) ensures that the Dell systems are up-to-date with the latest BIOS, driver, firmware, and software. DRM allows you to:

- Create repositories of customized component(s) and updates.
- Create groups of related updates for systems running the Microsoft Windows and Linux operating system .
- Generate comparison reports and update baselines of custom repositories.

The customized repositories are made up of Dell EMC Update Packages (DUPs) or Non-DUPs (such as .exe, .msi, .bin or any other file formats) files. DUPs are software utilities provided to update specific software and firmware components. You can arrange these components to group the related updates together. Every repository has a **catalog.xml** file and it specifies the content of the repository. DRM also has **catalog.xml.gz** and **catalog.gz** files. You can import the repository content in two formats, however, you can export the repository content in **catalog.xml** format only. The file downloaded from **ftp.dell.com/catalog** and **downloads.dell.com/catalog** is digitally signed to ensure system security.

Topics:

- What is new in this release
- Prerequisites for installing DRM
- Accessing documents from the Dell EMC support site
- Other documents you may need

What is new in this release

This release of Dell Repository Manager (DRM) supports the following new features:

- Support for DRM installation on Linux operating systems.
- Improved user interface experience.
- Support for Command Line Interface.
- Support for Smart Bootable ISO option.
- Support for index catalog
- Support for multiple repository versions

Prerequisites for installing DRM

This section lists the specific prerequisites to be considered before installing DRM.

Hardware requirements

Requirement	Details
Processor	1 GHz Pentium processor or equivalent
RAM	4 GB

Hard Disk	1 GB of available space
Display	1024 x 768 high color, 32-bit
Optical Drive (Optional)	CD/DVD writer

Software requirements

Supported operating systems:

- Microsoft Windows Server 2008 R2
- Microsoft Windows Server 2012 R2
- Microsoft Windows Server 2016
- Microsoft Windows 7 (64-bit)
- Microsoft Windows 8.1 (64-bit)
- Microsoft Windows 10 (64-bit)
- RedHat Enterprise Linux 6.x
- RedHat Enterprise Linux 7.x
- SUSE Linux 12

Optional requirements

- **Internet connectivity** – To access, create, and work with bundles, catalogs, and repositories.

  ⓘ | NOTE: **You can use the local repositories on DRM without internet connectivity.**
- **CD/DVD or USB burning software** – To create a bootable CD/DVD or bootable USB.

Downloading DRM

You can download DRM from **www.dell.com/support**.

To download DRM from **www.dell.com/support**:

1   Click **Support** > **Product Support** tab.
2   Choose the **Drivers** option.
3   Under the **All Products** section, select the **Software & Security** > **Enterprise Systems Management** > **Repository Manager**.
4   Select the required version of the repository manager.
5   On the **Drivers & downloads** page, you can download the repository manager.

Accessing documents from the Dell EMC support site

You can access the required documents using the following links:

- For Dell EMC Enterprise Systems Management documents — **Dell.com/SoftwareSecurityManuals**
- For Dell EMC OpenManage documents — **Dell.com/OpenManageManuals**
- For Dell EMC Remote Enterprise Systems Management documents — **Dell.com/esmmanuals**
- For iDRAC and Dell EMC Lifecycle Controller documents — **Dell.com/idracmanuals**
- For Dell EMC OpenManage Connections Enterprise Systems Management documents — **Dell.com/OMConnectionsEnterpriseSystemsManagement**
- For Dell EMC Serviceability Tools documents — **Dell.com/ServiceabilityTools**

- a Go to **Dell.com/Support/Home**.

  b Click **Choose from all products**.

  c From **All products** section, click **Software & Security**, and then click the required link from the following:
  - **Enterprise Systems Management**
  - **Remote Enterprise Systems Management**
  - **Serviceability Tools**
  - **Dell Client Command Suite**
  - **Connections Client Systems Management**

  d To view a document, click the required product version.

- Using search engines:

  - Type the name and version of the document in the search box.

Other documents you may need

In addition to this guide, you can access the following guides available **dell.com/support/manuals**.

- *Dell EMC Repository Manager Quick Installation Guide*
- *Dell EMC System Update User's Guide*
- *Dell EMC Systems Management - OpenManage Software Support Matrix*
- *Dell EMC Update Packages User's Guide*
- *Dell EMC Server Update Utility User's Guide*
- *Dell EMC OpenManage Server Administrator Installation Guide*
- *Dell EMC OpenManage Essentials User's Guide*

Installing and uninstalling DRM

DRM can be installed on the supported Microsoft Windows and Linux operating systems. For the list of supported operating systems, see Software requirements.

For more information on installing DRM on supported operating systems, see Installiing, updating, and uninstalling DRM chapter in the **Dell EMC Repopsitory Manager version 3.0 Quick Start Guide**.

Topics:

* Updating DRM
* Supported Dell systems for exported repositories and components

Updating DRM

On the **Dell EMC Repository Manager** drop-down list, in the **Settings** section, click on **Check for New Version** to update to the latest version of the repository manager.

Supported Dell systems for exported repositories and components

You can use the exported components on Dell systems that support Dell EMC Update Packages (DUPs). With DRM, you can use the Dell EMC online catalog, which contains the supported files only for the n blocks. For more information about the supported system models, see **downloads.dell.com/catalog/pdk_readme.pdf**.

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Using Dell EMC Repository Manager

Using DRM, you can perform some of the basic tasks, such as:

- Work with repositories
- Modify repository
- Delete repositories
- Work with components
- Export catalog
- Search repository based on filters and search criteria you specify
- Export components to new and existing repositories
- Work with jobs queue
- Search Dell Support Site

Topics:

Configuring settings

This section describes the process to configure the settings. You can configure the network settings, notifications, plug-in, data storage settings.

Configuring network settings

This section describes the process to configure the network settings.

1 Click on the **Dell EMC Repository Manager** drop-down menu.
2 On the **Manage** section, click **Application Preferences**.
   The **Preferences** window is displayed.
3 In the **Network** section, you can:
   - Select the **Web Download Protocol** — The available options are **HTTPS**, **HTTP**, and **FTP**.

     ⓘ | **NOTE: By default, the HTTP protocol is selected.**
   - Select the maximum number of concurrent downloads.

- As an optional step, you can choose proxy configuration. You must provide the **Proxy Server Address**, **Proxy Port**, and the appropriate credentials.

4   Click **Apply**.

Configuring notifications

This section describes the process to configure the notification.

1   Click on the **Dell EMC Repository Manager** drop-down menu.
2   On the **Manage** section, click **Application Preferences**.
    The **Preferences** window is displayed.
3   In the **Notification** section, select the relevant option if you want a notification for catalog update or jobs.
4   In the **Email Configuration** section, click configure.
5   From the **Email Type**, select the method through which you want to send the mail. The available options are **SMTP** and **Microsoft Exchange**.
    If you select the **SMTP** option, you must provide the following details:
    - Email ID
    - Username
    - Password
    - Domain

    ⓘ NOTE: **You also have the option to authenticate anonymously.**

    You should also provide the SMTP details such as:
    - SMTP Server
    - Port Number

    ⓘ NOTE: **You also have the option to bypass proxy or use SSL/TLS to establish communication.**

    If you select the **Microsoft Exchange** option, you must provide the following details:
    - Email ID
    - Username
    - Password
    - Domain

    ⓘ NOTE: **To manually create an exchange URL, hold the control (ctrl) key and right-click on the Microsoft Outlook tray icon. Click Test E-mail AutoConfiguration and provide an email address and click Test. The exchange URL is displayed in the Availability Service URL field.**
6   Click **Save** to save the configuration.
7   Click **Apply**.

ⓘ NOTE: **A notification is sent to the email that has been configured. You can also add additional emails to notify multiple users. To add multiple users, separate the receipients using a semicolon (;).**

Configuring store settings

This section describes the process to configure the storage settings.

1   Click on the **Dell EMC Repository Manager** drop-down menu.
2   On the **Manage** section, click **Application Preferences**.
    The **Preferences** window is displayed.

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3   In the **Store** section, you can choose the location to store the repositories.

4   You have the option to clear the files after exiting through **Clean up** option, delete update packages that are not referenced, or send alerts when the size of the file exceeds certain limit.

5   After selecting the preferences, click **Apply**.

ⓘ **NOTE: The repositories can be stored in a local storage location, a mapped network shared location, or Common Internet File System (CIFS) share location only.**

Configuring plug-in settings

This section describes the process to configure the plug-in settings.

ⓘ **NOTE: Dell EMC System Update (DSU) is a prerequisite for Smart Deployment Script.**

1   Click on the **Dell EMC Repository Manager** drop-down menu.

2   On the **Manage** section, click **Application Preferences**.
     The **Preferences** window is displayed.

3   In the **Plug-ins** section, you can:
     - Update the available plug-ins
     - Update notification — Automatic download or notify when a new plug-in is available
     - Select the source of plug-in

4   Select the required plug-in from the **Plugin** section and click on **Update**.

5   Select the required option either to automatically install the updates or notify about the update.

6   Select the source of plug-in update from the **Source of Plug-in Update**. The available options are **Dell EMC Online** and **Folder**, that is the local location or the network shared location.

7   Click **Apply**.

Configuring catalogs settings

This section describes the process to configure the network settings.

1   Click on the **Dell EMC Repository Manager** drop-down menu.

2   On the **Manage** section, click **Application Preferences**.
     The **Preferences** window is displayed.

3   In the **Catalogs** section, you can ddd, delete, or update catalogs. A notification is displayed everyday with the information about the catalog update.

4   You can choose the actions whenever an update is available. You can automatically download and update the new catalog or notify when a new catalog is available.

5   After selecting the preferences, click **Apply**.

Creating repository

DRM enables you to create a repository that allows you to deploy multiple updates in one instance.

Creating manual repository

This section describes the process to create a repository manually.

1   On the Home page, click **Add New Repository**.

Add Repository window is displayed.

2   Enter the **Repository Name** and **Description**.

3   Select a catalog to be used as a base catalog for the repository. If you want to add a custom base catalog, click **Choose File** option from the **Base Catalog** drop-down list and select the required file. The available options are **Enterprise Sever Catalog**, **Index Catalog**, **None**, and **Choose File**.

4   From the **Catalog Location** drop-down menu, select the latest available catalog or click on **Choose File** to select the catalog file saved in local folder or a common shared location.

5   If you want to select systems to apply the updates in the repository:

- Select **All systems in base catalog** to apply updates to all the systems.

- Select **Custom** and click **Choose Systems** to select systems individually to apply the update. The **Systems** window is displayed. From the **Line of Business** drop-down menu, select the system whose updates are to be included in the repository. Click **Save**.

6   Select **All operating systems in base catalog** to apply updates to all the operating systems or select **Custom** and click **Choose Operating System** to select the operating systems individually to apply the update.

7   Select **All component types and devices in base catalog** to apply updates to all the devices or select **Custom** and select **Choose Components** to select the components individually to apply the update.

If you do not select the components, by default the repository is created for all the components in the base catalog.

8   Select **Add** to create the repository.

The repository is displayed in the repository dashboard available on the home page.

ⓘ **NOTE: You can also create a new repository without customizing the preferences. Enter the name of the repository and click Add to create a repository.**

Creating empty repository

This section describes the process to create an empty repository.

1   On the Home page, click **Add Repository**.

Add Repository window is displayed.

2   Enter the **Repository Name** and **Description**.

3   Select **None** from the **Base Catalog** drop-down menu.

4   Click **Add** to create the repository.

The repository is displayed in the repository dashboard available on the home page.

Creating repository with integration

This section describes the process to create a repository with integration.

1   On the Home page, click **Add New Repository**.

Add Repository window is displayed.

2   On the **Integration** tab, enter the **Repository Name** and **Description**.

3   Select **Custom** and click **Choose Systems** to select any specific systems.

4   From the **Integration Type** drop-down menu, select the product with which you want to integrate.

Based on the product selected the following options are displayed. The available options are:

- iDRAC — IP, Port Number, Username, Password, and Proxy Server

- Dell OpenManage Essentials — IP, Port Number, Username, Password, and Proxy Server

- Dell OpenManage integraion for VMware vCenter — Virtual Appliance IP, vCenter Server IP, Username, Password, and proxy server

- Dell Console Integration —URL, Username, Password, and proxy server

> ⓘ NOTE: Dell Consloe Integration is applicable for consoles that have incorporated the web services such as OpenManage Integration for System Center Virtual Machine Manager (SCVMM).

5   After selecting the required option click **Connect**.

The available system and model will be displayed in the **Integration Type** section.

6   Select **Add** to create the repository.

The repository is displayed in the repository dashboard available on the home page.

Creating repository with inventory

This section describes the process to create a repository with inventory.

1   On the Home page, click **Add New Repository**.

Add Repository window is displayed.

2   On the **Inventory** tab, enter the **Repository Name** and **Description**.

3   Select a catalog to be used as a base catalog for the repository. If you want to select a customized catalog, click **Browse**, navigate, and select the required catalog.

4   To select an inventory, click **Browse** and navigate to the location where the inventory is saved and select the required inventory file.

5   Select **Add** to create the repository.

The repository is displayed in the repository dashboard available on the home page.

Working with My Repositories

The My Repositories screen displays the list of available repositories. You can control and perform various tasks using the **New**, **Open**, **Delete**, and **Refresh** options available on the screen. You can also compare repositories using **Run a Comparison** after a repository is open. During the installation, Dell Repository Manager creates a database in the system.

Viewing repository

You can view the created repositories on the **Home** page. You can also click on the **Dell EMC Repository Manager** drop-down menu and in the **View** section, click **Repositories**.

Editing repository properties

This section describes the process to edit the repository properties.

1   On the DRM home page, select a repository to edit.

The **Property** window is displayed.

2   Click **Edit** to edit the selected repository.

The **Edit** window is displayed.

3   Update the required fields, such as **Name**, **Label**, or **Description**.

4   Click **Save** to update the preferences.

Comparing repository

This section describes the process to compare repository based on components or platforms.

1   On the DRM home page, select a repository that you want to compare.
2   Click **Compare**.
3   From the **View** section, select if you want to display the **Component View** or **Platform View**.

     ⓘ **NOTE: A notification is displayed if the latest version of the selected catalog is available.**

4   From the **Filter** section, select the preferences from **Type of Change** drop-down list. Available options are **Upgraded**, **Downgraded**, and **No Change**.
5   From the **Criticality** drop-down list, select an option. The available options are **Urgent**, **Recommended**, and **Optional**.
6   Click **Update**.
     If there are any updates between the previous and the latest version of the catalog, the changes are displayed.

Refreshing repository

This section describes the process to refresh a repository.

1   On the DRM home page, select the repositories that you want to refresh.
2   Click **Refresh**.
     The **Refresh** window is displayed and the selected repositories is displayed.
3   Select the **Date** and time to refresh the repository.
4   From the **Settings** section, choose the duration at which the repository is refreshed. The available options are **One Time**, **Daily**, **Weekly Once**, and **Monthly on this day**.
5   Select the **Notification** option to notify users through mail.
6   Click **Save**.

You can also edit the scheduled refreshed task from **Jobs** screen.

Viewing properties of repository

This section describes the process to view the properties of repositories.

1   On the DRM home page, select the repository for which you want to view the properties.
2   The properties of the selected repository is displayed in the **Property** section on the DRM home page.
     Information such as, **Name**, **Version**, **Type**, **Number of Bundles**, **Number of Components**, **Date**, **Size**, and **Available Versions** is displayed.

Cloning bundles

This section describes the process to clone the bundles.

1   On the DRM home page, select the repository.
2   Expand the repository list to view the bundles associated with that repository.
3   Select a bundle and click **Clone** to clone the bundle.
     Clone Bundles window is displayed.
4   Select the repository from **Select Repository** drop-down list to clone the bundle.

5   Click **Clone**.

Deleting repository

This section describes the process to delete a repository.

1   On the **Dell EMC Repository Manager** home page, select a repository by clicking on the checkbox next to the name of the repository.
2   Click **Delete**.

A message is displayed to confirm the deletion.

3   Select **Delete**.

ⓘ **NOTE: You also have the option to delete a particular version of the repository. Click on the version of the repository, select one version at a time to delete. Click OK and click Delete.**

Working with components

All the DUPs and non-DUPs (such as .exe, .msi, .bin, or any other file formats) files are called as components. They are used for updating the Basic Input/Output System (BIOS), firmware, drivers on specific platforms or any other application.

DUP conventions for DRM

DUPs are update packages that help you to keep your system up to date. DUPs are application that are available in various formats; Windows 32-bit, Windows 64-bit, and Linux (32-bit and 64-bit). In case you are not sure about the type of DUP that you should run on the system, select 32-bit DUPs, since the 32-bit DUP can be applied even for 64 bit operating systems. If you are using a Windows Server OS that does not support *WoW64* (Windows 32-bit on Windows 64-bit) then you must select 64 bit DUPs.

Component properties

This section describes the process to view the properties of components.

1   On the DRM home page, select the repository that you want to view.
2   Expand the repository list to view the bundles associated with that repository.
3   Select a bundle and click to expand the list of components associated with that bundle.

The properties of the component is displayed in the **Property** section.

Downloading components

This section describes the process to download components associated with a bundle.

1   On the DRM home page, select the repositories that has the components that you want to download.
2   Expand the repository list to view the bundles associated with that repository.
3   Select a bundle and click to expand the list of components associated with that bundle.
4   Select the component and click **Download**.

The **Download Components** window is displayed.

5   Navigate to the location to download the component and click **Download**.

ⓘ **NOTE: To download the component to a shared location, enter the IP address of the network share in the address bar of the Browse window. Login with the relevant credentials and select the location to download the components.**

Copying components

This section describes the process to copy components associated with a bundle.

1   On the DRM home page, select the repositories that you want to filter.
2   Expand the repository list to view the bundles associated with that repository.
3   Select a bundle and click to expand the list of components associated with that bundle.
4   Select the component and click **Copy**.
     The **Copy Components** window is listed.
5   Seelct the repository and then select the bundle you want to copy.
     The **Selected Bundles** section has the bundle that you selected earlier.
6   Click **Add** to copy the selected bundle.

Importing components

You can add components from one repository to another. To import components to a repository:

1   On the DRM home page, select the repository that has the components that you want to import and click **Import** tab.
2   Browse the location of the repository that you intend to import the components and click **Import**.

   ⓘ NOTE: To import components from a network shared location, you must login to the shared location with provide
   appropriate credentials and select the components to import.

Component is successfully imported to the specified repository.

Working with jobs

This section describes the process to work with scheduled jobs in DRM.

1   Click on the **Dell EMC Repository Manager** drop-down menu.
2   On the **View** section, click **Jobs**.
     The **Jobs** page is displayed.

You can **Edit** and **Delete** the jobs that you create.

Editing jobs

This section describes the process of editing the jobs on the jobs page.

1   Click on the **Dell EMC Repository Manager** drop-down list and click **Jobs**.
     The **Jobs** screen is displayed. The created or scheduled jobs are displayed.
2   Select the job you want to edit. Click **Edit**.
3   Edit the preferences and click **Save**.

Deleting jobs

This section describes the process of deleting the jobs on the jobs page.

1. Click on the **Dell EMC Repository Manager** drop-down list and click **Jobs**.

   The **Jobs** window is displayed. The created or scheduled jobs are displayed.

2. Select the job you want to delete and click **Delete**.

   A warning message is displayed to confirm the deletion.

3. Click **Delete** to delete the job.

Jobs queue details

The details such as, **Job Name**, **Status**, **Next Execution Date/Time**, **Last Execution Date/Time**, **Affected Repositories**, and **Log** are displayed. The **Show Log** option is displayed for certain jobs. This option provides more details about the job.

Creating deployment tools

This section describes the process to export the repository through a deployment tool type.

1. On the DRM home page, select the repositories or bundles for which you want to create the deployment tools.

   A warning message is displayed if you do not select any repository.

2. Click **Export**.

   The **Export Deployment Tools** window is displayed.

3. The repositories that you select is displayed in the **Selected Repositories** section. Select the required **Deployment Tool Type** and click **Create**. The available options are:

   - Smart Bootable ISO- Support Linux bundles only.
   - SUU ISO- Supports SUU as an ISO image file or in an expanded format.
   - Smart Deployment Script- You can choose the **Script Type** for Microsoft Windows or Linux operating systems. You can also specify the script to execute before or after the deployment script is executed by selecting **Pre-Script** or **Post-Script**.
   - Share- Local storage or network share.

   ⓘ NOTE: **If a plug-in update is available, a message is displayed. you can Click to Configure to set the plug-in preferences. For more information on configuring plug-in preferences, see** Configuring plug-in preferences.

4. Select the required preference and click **Create**.

ⓘ NOTE: **Dell System Update (DSU) is used in orchestrating the deployment.**

Creating smart bootable ISO

This section describes the process to export the repository to a smart bootable ISO.

1. On the DRM home page, select the repositories or bundles for which you want to create the deployment tools.

   A warning message is displayed if you do not select any repository.

2. Click **Export**.

   The **Export Deployment Tools** window is displayed.

3. The repositories that you select is displayed in the **Selected Repositories** section. Select **Smart Bootable ISO** option.

4. Click **Browse** to select the location to download the ISO.

5. Click **Export**.

Creating SUU ISO

This section describes the process to export the repository to a Dell Server Update Utility (SUU) ISO.

1   On the DRM home page, select the repositories or bundles for which you want to create the deployment tools.
    A warning message is displayed if you do not select any repository.
2   Click **Export**.
    The **Export Deployment Tools** window is displayed.
3   The repositories that you select is displayed in the **Selected Repositories** section. Select **SUU ISO** option.
4   Click **Browse** to select the location to download the ISO.
5   Click **Export**.

Creating smart deployment script

This section describes the process to export the repository to a smart deployment script.

1   On the DRM home page, select the repositories or bundles for which you want to create the deployment tools.
    A warning message is displayed if you do not select any repository.
2   Click **Export**.
    The **Export Deployment Tools** window is displayed.
3   The repositories that you select is displayed in the **Selected Repositories** section. Select **Smart Deployment Script** option.
4   Select the type of script from the **Script Type** drop-down list. The available options are **Windows** and **Linux**.
5   Specify if the script is to be executed before or after the deployment script. The available options are **Pre-script** and **Post-script**.
6   Click **Select** to choose the script file.
7   Click **Browse** to select the location to download the ISO.
8   Click **Export**.

Exporting repository as share

This section describes the process to export the repository to a network shared location.

1   On the DRM home page, select the repositories or bundles for which you want to create the deployment tools.
    A warning message is displayed if you do not select any repository.
2   Click **Export**.
    The **Export Deployment Tools** window is displayed.
3   The repositories that you select is displayed in the **Selected Repositories** section. Select **Share** option.
4   Click **Browse** to select the location to download the ISO.
5   Click **Export**.

Working with filters

This section describes the process to work with options to filter the repositories based on conditions.

1   On the DRM home page, select the repositories that you want to filter.
2   Click the filter logo available above the list of repositories.
3   Set the preferences to filter the repositories. The available conditions are **Criticality** and **Component Type**.
4   In the **Criticality** section, select the required preference. The available options are, **Urgent**, **Optional**, and **Recommended**.

5 In the **Component Type** section, select the required components.

> ⓘ **NOTE: You can also search and select the components by entering the keywords of the components. For example, type Fibre in the search bar and the Fibre Channel component is displayed.**

6 After the preferences are set, click **Apply**.

> ⓘ **NOTE: You can also revert to the previous preferences by selecting Reset Default.**

Launching support site

This section describes the process of launching the DRM page on support site.

To view the DRM manuals:

1 Click **support.dell.com/manuals**.
2 Click on **View Products** to view the Dell EMC portfolio.
3 Click **Software and Security**.
4 Click **Enterprise Systems Management**.
5 Click **Repository Manager**.
6 Select the relevant release and click **Manuals & documents**.

Save and mail logs

1 Click **Dell EMC Repository Manager** drop-down list.
2 On the **Help and Support** section, click **Save and Mail logs**.
   The **Save/Mail Logs** window is displayed.
3 Enter the recipients email address to send logs to recipients through email by configuring the email settings. You also have the option of downloading the logs to a local location or a network shared location.

Command line interface syntax

The following chapter describes the syntax for the commands that you can use to work in DRM.

Commands	Description
drm	Open DRM in a Graphical User Interface (GUI) mode.
drm –v or drm --version	Display the current version of DRM.
drm –h , drm –? , or drm --help	Display help menu.
drm –li=<repository name> or drm --list=<repository name>	Display the list of all repository name, latest version, size, and the latest date when it was modified.
drm –li=<JOB or drm --list=<JOB>	Display the list of all job names, status, type, and creation date.
drm –li=<PLUGIN> or drm --list=<PLUGIN>	Display the list of all plug-in names, current-version, and the latest available version.
drm –r=<reponame> --details or drm --repository=<reponame> --details	Display the details of all the versions associated with the repository. Details such as version, size, and the last date the repository was modified. ⓘ NOTE: **The argument format of <reponame> is name or name:version. All associated bundle and respective associated components details are displayed.**
drm –j=<job name> --details or drm --job=<job name> --details	Display the details associated with the job such as, Name, status, next execution date/time, last execution date/time, and affected repositories.
drm –r=<reponame> -cr|--create --empty	Create an empty repository.

, drm --repository=<reponame> -cr|--create --empty , or drm --create --empty --repository=<repository name>	
drm –r=<reponame> -cr –i=<inventoryFileLocation> --source=<catalogFileLocation> --authentication<username:password> , drm –r=<reponame> -cr – –i=<inventoryFileLocation> --source=<catalogFileLocation> --authentication<username:password> or drm --create --repository=inventoryrepo_5 --inventory=<inventory path>	Create a repository with inventory. ⓘ NOTE: **source and authentication are optional attributes.**
drm --create --repository=<reponame> --inputplatformlist=<PlatformA,PlatformB, ...> --dupformat=<dupformatA,dupformatB, ...> --source=<catalogFileLocation> --authentication<username:password> , drm --create --repository=<repository name> , drm --create --repository=<repository name> --inputplatformlist="<platforms>" --dupformat="<operating systems>" , or drm --create --repository=<source repository name> --source=<source repository path>	Create a manual repository. ⓘ NOTE: **inputplatformlist, dupformat, source, authentication are optional attributes.**
drm –r=<reponame> -d or drm --delete --repository=<repository name>	Delete the latest version of the repository.
drm –r=<reponame:version> -d or drm --delete --repository=<repository name_version>	Delete a specific version of the repository.
drm –r=<reponame1,reponame2,...> --update	Update the repository with the latest available Enterprise Catalog in DRM.
drm /n –r=<reponame:version> **--deployment-type=<export|suuiso|smartbootiso|smartscript>** --location=<export location> --authentication=<username:password> --expand-iso --script-type<windows|linux> --prescript=<scriptFileLocation> --postscript=<scriptFileLocation> --script-authentication=<username:password> --non-interactive	Create deployment tools. ⓘ NOTE: **location attribute must be provided in the command. authentication and non-interactive attributes are also mandatory only if the location is a network shared location.**

	ⓘ NOTE: script-type, prescript, postscript, script-authentication must be provided when using smartscript. expand-iso must be provided when using suuiso.
drm --**update** --**plugin**=<pluginname1,pluginname2,....>	Update or update plug-in
drm --**compare** --repository=<reponame:version>	Compare a version of the repository with the base catalog in database.
drm --update --**catalog**=<ALL>	Update all catalogs.
drm --logfile=<FilePath>	Download log file with the name provided in *<FilePath>*.

Frequently asked questions

This section lists some frequently asked questions about DRM.

Where is the Dell EMC Repository Manager runtime log located?

DRM creates the log file at runtime in the following location:

- Windows: **C:\ProgramData\Dell\drm\log**
- Linux: **/var/Dell/drm/log**

You can also view the logs through **Save and Mail Logs** option in the Dell EMC drop-down menu.

Can DRM be run through a Proxy Server?

Yes, install DRM inside the firewall and connect to a catalog located outside the firewall (downloads.dell.com or a local repository) through a proxy server. You can use the proxy server settings of Internet Explorer. If the proxy settings for Internet Explorer are not working, the proxy can be set in DRM. You can then use Dell Repository Manager to customize the catalog as per the requirement and store the customized catalog inside the firewall. For more information on setting proxy, see Configuring network settings.

How do I edit the '.sh' file in Linux deployment script bundle? Is there any recommended tool to edit this file?

Notepad++ editor is recommended for editing the Linux based file extension on a Microsoft Windows operating system. If you want to edit the extension of the file on a Linux operating system, vi editor is recommended.

I have installed DRM version 3.0 on my system and I am trying to downgrade to one of the previous version. However, I am not able to proceed further. What do I do now?

Reverting to the previous version of DRM is not supported in the current version of the DRM installer. To install an earlier version of DRM, manually uninstall the latest version through Add/Remove Programs in the Microsoft Windows Control Panel and then run the installer of the desired version.

(i) | **NOTE:** DRM 2.0 and DRM 3.0 can co-exist on the same system.

I am not able to connect DRM to an OpenManage Essentials (OME) instance. How do I troubleshoot this issue?

DRM cannot connect to an OME instance if OME is installed on the same system running Microsoft Windows operating system. You can resolve this issue by updating the system policy and enable the NTLM authentication on a different system.

I am facing access issue in Linux operating system. How do I proceed further?

Ensure that you have:

- **Read** and **Execution** access
- **Read** and **Write** access to the `drmuser` in the particular folder including all individual directories where you want to create a repository.

I saved a file in the mapped network location. However, I am not able to access that location. What do I do now?

Ensure that you have privileges to access the location and then login with the appropriate credentials.

I am not able to automatically discover the Microsoft Exchange Web Service URL when trying to configure the email notifications. Is there any other option to discover the URL apart from updating it manually?

No. In DRM 3.0, the auto-discovery of Microsoft Exchange Web Server URL is not supported. You have to update the URL manually.

I get a message "GLX version 1.2 or higher is required" when I try to open a Linux terminal window. This message is observed in SUSE Linux 11 and 12.

This is a warning message and does not affect the functionality of the product.

I am not able to create a inventory repository using a specific catalog and inventory file through command line interface. How do I proceed?

Ensure that the catalog and inventory are available in the same network location and then create a repository.