

Dell EMC Repository Manager Version 3.1

User's Guide

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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Introduction

The Dell EMC Repository Manager (DRM) ensures that the 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 all the three formats, however, you can export the repository content in **catalog.xml** format only.

This guide describes the installation process of Dell EMC Repository Manager (DRM) on the supported versions of operating systems.

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 Dell EMC MX Platform
- Signature validation during DUP import enhancements
- Improved filter and compare options
- Support to connect with **Dell EMC OpenManage Enterprise** and **Dell EMC Integration for System Center Virtual Machine Manager** consoles

Prerequisites for installing DRM

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

Hardware requirements

Table 1. Hardware requirements

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

Requirement	Details
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 2016
- Microsoft Windows Server 2019
- Microsoft Windows 10 (64-bit)
- RedHat Enterprise Linux 6.x
- RedHat Enterprise Linux 7.x
- SUSE Linux 12
- SUSE Linux 15

Optional requirements

- **Internet connectivity** – To access, create, work with bundles, update catalogs, plug-ins, and repositories.
① **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 > Drivers & Downloads** tab.
- 2 Click **View products** section, select **Software & Security > Enterprise Systems Management > Repository Manager**.
- 3 Select the required version of the repository manager.
- 4 The drivers specific to the version of the product is displayed.

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 — www.dell.com/esmmanuals
- For Dell EMC OpenManage documents — www.dell.com/openmanagemanuals
- For Dell EMC Remote Enterprise Systems Management documents — www.dell.com/esmmanuals
- For iDRAC and Dell Lifecycle Controller documents — www.dell.com/idracmanuals
- For Dell EMC OpenManage Connections Enterprise Systems Management documents — www.dell.com/esmmanuals
- For Dell EMC Serviceability Tools documents — www.dell.com/serviceabilitytools
- a Go to www.dell.com/support.
- b Click **Browse all products**.

- c From **All products** page, click **Software**, and then click the required link from the following:
 - **Analytics**
 - **Client Systems Management**
 - **Enterprise Applications**
 - **Enterprise Systems Management**
 - **Public Sector Solutions**
 - **Utilities**
 - **Mainframe**
 - **Serviceability Tools**
 - **Virtualization Solutions**
 - **Operating Systems**
 - **Support**
- d To view a document, click the required product and then click the required 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 at dell.com/support/manuals.

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- *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*
- *Dell EMC OpenManage Enterprise User's Guide*
- *Dell EMC OpenManage Integration for VMware vCenter*
- *Dell EMC OpenManage Integration for Microsoft System Center Version 7.1 for System Center Configuration Manager and System Center Virtual Machine Manager*

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 Installing, updating, and uninstalling DRM chapter in the **Dell EMC Repository Manager version 3.1 Quick Start Guide**.

Updating DRM

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

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
- Copy components to new and existing repositories
- Work with jobs queue
- Search Dell Support Site

Topics:

- [Configuring settings](#)
- [Creating repository](#)
- [Working with My Repositories](#)
- [Working with components](#)
- [Working with jobs](#)
- [Creating deployment tools](#)
- [Working with filters](#)
- [Launching support site](#)
- [Save and mail logs](#)

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**.
- ① **NOTE:** By default, the HTTPS 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** drop-down menu, 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
- MS Exchange URL

- 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 recipients using a semicolon (;).

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.

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.

- 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 **Plug-ins** 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 (Common Internet File System and Server Message Block v2).
- 7 Click **Apply**.

NOTE: If multiple versions of the same plug-in are available in the selected plug-in update source location, in the **Preferences** window, all the versions of the plug-in is displayed instead of the most recent version. Click **Update** to update the list and view the most recent version of the plug-in.

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 add, delete, or update catalogs. A notification is displayed every two hours 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**.

NOTE: A notification is displayed every two hours with the information about the catalog update.

Creating repository

DRM enables you to create a repository that contains multiple system bundles and allows you to manage baselines or create deployment tools.

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. By default, the **Enterprise Sever Catalog** option is selected. The other available options are **Index Catalog**, and **None**. The catalogs loaded earlier is also listed along with **Choose File** option.
 - Update catalog for Enterprise Servers — Access to older catalogs
 - Catalogs for specific solutions
 - ESXi Catalog — Recommended firmware/BIOS versions for ESXi
 - Microsoft S2D Catalog — Recommended firmware/BIOS versions for Microsoft Storage Spaces Direct along with the MX stack catalogs
 - Lifecycle Controller Catalog — Updates in Microsoft Windows format
- 4 From the **Catalog Location** drop-down menu, select the latest available catalog or click on **Choose File** to select the catalog file that is saved in local folder or a common shared location.
- 5 On the **Manual** tab, 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 then click **Choose Systems** to choose 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 then click **Choose Operating Systems** to choose the operating systems individually to apply the update.
- 7 Select **All components types and devices in base catalog** to apply updates to all the devices or select **Custom** and then click **Choose Operating Systems** to choose the components individually to apply the update.
- 8 Select **Add** to create the repository.
The repository is displayed in the repository dashboard available on the home page.

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 From the **DUP Format** drop-down menu, select the formats that you want to include in the repository.

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:

- Dell OpenManage Enterprise — URL, Username, Password, and proxy server
The supported format is **http(s)://IP-Address/api/DRMInventoryService**
- Dell OpenManage Integration for Microsoft Systems Center (OMIMSSC)— URL, Username, Password, and Proxy Server
The supported format is **https://IP-Address/genericconsolerepository**
- iDRAC — Hostname or IP, Port Number, Username, Password, and proxy server
- Dell OpenManage Essentials — Hostname or IP, Port Number, Username, Password, and Proxy Server
- Dell OpenManage integration 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 Console Integration is applicable for consoles that have incorporated the web services such as OpenManage Integration for Microsoft System Center and OpenManage Enterprise v3.0 or greater.

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 **Add Repository** 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 **Choose File**, navigate, and select the required catalog.

4 From the **DUP Format** drop-down menu, select the formats you want to include in the repository.

5 Select the required DUP format. The available options are, **Linux**, **Windows-32**, **Windows-64**, and **OS-Independent**.

6 On the **Inventory** tab, select an inventory, click **Browse** and navigate to the location where the inventory is saved and select the required inventory file.

7 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. 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 view the **Component View** or **Platform View**.
 **NOTE:** You have the option to update catalogs on the Compare window. Click **Update** to update to the latest version of the catalog.
- 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.

 **NOTE:** The **Update** button is not visible, if there are no updates.

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 frequency to refresh the repository. The available options are **One Time**, **Daily**, **Weekly**, and **Monthly**.
- 4 Select the **Start Time** and **Date** to refresh the repository.
- 5 Select the **Send email notification on refresh completion** option to notify users through mail.
- 6 Click **Save**.

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**.
Delete window is displayed.
- 3 Click the drop-down menu to view and select the versions to delete. To delete all versions, click **All Versions** check-box and click **Delete**. To delete multiple versions of the repository, click the drop-down list and select the required versions to delete and click **Delete**.
- 4 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 from Dell EMC, which 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 (64-bit). For 11th generation of PowerEdge systems, Dell recommends you to select 32-bit DUPs, and for 12th generation of PowerEdge systems or later select 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 Select 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

To import components to a repository:

- 1 On the DRM home page, select the repository and bundle where you want to import components. 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.

① | **NOTE:** You also have the option to verify the signature of the DUPs, if not done before importing.

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.

① | **NOTE:** A progress bar displays the status of a job that is executing.

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. Dell EMC System Update (DSU) is used in orchestrating the deployment.
- 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. You also have the option to force an update by selecting **Enable Force Update**.
 - SUU ISO- Supports SUU as an ISO image file. You also have the option to save the SUU to Directory.

- 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**. You also have the option to force an update by selecting **Enable Force Update**.
 - Share- Local storage or network share. You also have the option to export only the catalog by selecting **Export only catalog**.
- 4 Select the required preference and click **Export**.

NOTE: DSU v1.6 or later is required to use the Enable Force Update option.

NOTE: When you select a lower version of a repository, you have an option to delete all the higher versions of the repository on the Export Deployment Tools window.

NOTE: If a plug-in update is available, a message is displayed. You can configure and set the plug-in preferences. For more information on configuring plug-in preferences, see [Configuring plug-in preferences](#).

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**.

NOTE: DSU is used in orchestrating the deployment of the update packages.

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**.

NOTE: If you export or save ISO image in the expanded format, SUU is saved in non-ISO format.

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 DUPs and catalogs.
- 5 Click **Export**.

NOTE: Select **Export only catalog** to export only the catalog.

Working with filters

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

NOTE: When you apply a filter, the result pertaining to the selected filter preference is displayed. Click **Reset** to revert to the default view of the repository.

- 1 On the DRM home page, select the repositories that you want to filter.



- 2 Click the filter icon available on the top right corner of the interface.
- 3 Set the preferences to filter the repositories. The available conditions are **Criticality**, **Category**, and **Type**. You also have the option to search a particular component or a bundle through the search field.
- 4 In the **Criticality** section, select the required preference. The available options are, **Urgent**, **Optional**, and **Recommended**.
- 5 In the **Category** drop-down menu, select the required category. For example, **Application**, **Audio**, **BIOS**, or other available categories.
- 6 In the **Type** section, select the required components.
- 7 After the preferences are set, click **Apply**.



The components are displayed based on the preferences set. The filter logo is changed to

NOTE: If you delete, copy, or download the components after applying filters, only the filtered data is available and the entire repository is not displayed. After deleting the filtered content, an empty repository is displayed. Click **Reset** to view the other



components in the repository. The filter logo is changed to

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 click **Apply** to search all the instances with the keyword **Fibre** in all the repositories. To revert to default preferences, click **Reset**.

Launching support site

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

To view the DRM manuals:

- 1 Click **dell.com/support/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.

Table 2. Command line interface syntax

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=rep or drm --list=rep	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.

Commands	Description
<pre>drm -r=<reponame> -cr --create --empty</pre> <p>,</p> <pre>drm --repository=<reponame> -cr --create --empty</pre> <p>, or</p> <pre>drm --create --empty --repository=<repository name></pre>	Create an empty repository.
<pre>drm -r=<reponame> -cr -i=<inventoryFileLocation> --source=<catalogFileLocation> --authentication<username:password></pre> <p>,</p> <pre>drm -r=<reponame> -cr -i=<inventoryFileLocation> --source=<catalogFileLocation> --authentication<username:password></pre> <p>or</p> <pre>drm --create --repository=inventoryrepo_5 --inventory=<inventory path></pre>	Create a repository with inventory. <i>NOTE:</i> source and authentication are optional attributes.
<pre>drm --create --repository=<reponame> --inputplatformlist=<PlatformA,PlatformB,> --dupformat=<dupformatA,dupformatB, ...> --source=<catalogFileLocation> --authentication<username:password></pre> <p>,</p> <pre>drm --create --repository=<repository name></pre> <p>,</p> <pre>drm --create --repository=<repository name> --inputplatformlist="<platforms>" --dupformat="<operating systems>"</pre> <p>, or</p> <pre>drm --create --repository=<source repository name> --source=<source repository path></pre>	Create a manual repository. <i>NOTE:</i> inputplatformlist, dupformat, source, authentication are optional attributes.
<pre>drm -r=<reponame> -d</pre> <p>or</p> <pre>drm --delete --repository=<repository name></pre>	Delete the latest version of the repository.
<pre>drm -r=<reponame:version> -d</pre> <p>or</p> <pre>drm --delete --repository=<repository name_version></pre>	Delete a specific version of the repository.
<pre>drm -r=<reponame1,reponame2,...> --update</pre>	Update the repository with the latest available Enterprise Catalog in DRM.
<pre>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> --</pre>	Create deployment tools. <i>NOTE:</i> 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.

Commands	Description
postscript=<scriptFileLocation> --script-authentication=<username:password> --non-interactive	 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 the latest version of DRM 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.

 **NOTE: DRM 2.0 and DRM 3.x.x can co-exist on the same 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 `drmmuser` 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 location from DRM. 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.

Where can I change the DUP sequence order in DRM 3.x before exporting to a deployment format?

You can no longer customize the sequence to install DUPs. Starting DRM 3.0, the smart deployment feature now run DSU at install time on a server configuration to determine the proper order to install the DUPs. Therefore. The default sequence is:

- 1 Applications
- 2 Device Firmware
- 3 Drivers
- 4 BIOS
- 5 iDRAC/LC

I am not able to install DRM in a custom location on Linux operating system. How do I proceed with the installation?

On Linux operating system, you cannot install DRM to a custom location through GUI installer mode. By default, the installer location is set to `/opt/dell`. However, you can use the CLI interactive mode to install DRM on a custom location.

After I delete a bundle, it is not removed from the bundle list on the GUI. Should I delete it elsewhere so that it is updated on the GUI?

If the size of a bundle or a collection of bundles selected to be deleted exceeds 1GB, several minutes may be required to delete and reflect the progress on the GUI. The workaround is to wait for sometime for the change to be reflected on the GUI or exit from the DRM console and reopen the DRM application.