Dell Repository Manager
Version 1.2
User Guide

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Notes

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1

Overview

Dell Repository Manager (hereafter, referred to as Repository Manager) is an application that allows you to create customized bundles and repositories for systems running supported Microsoft Windows and Linux operating systems. This facilitates generating comparison reports and establishing update baselines. The customized bundles and repositories are made up of Dell Update Packages (DUPs) based on certain specified criteria. DUPs are software utilities provided by Dell to update specific software components on Dell PowerEdge systems, Dell desktops, and Dell laptops. Using Repository Manager, ensures your Dell PowerEdge system, Dell desktop or Dell laptop is equipped with the latest BIOS, driver, firmware, and software updates.

Repository Manager can be run in two modes - Server and Client.

In the Server mode, you can:

- import repositories and create customized ones.
- create, customize, clone, and export bundles.

In the Client mode, you can:

- customize repositories for Dell Client System Update (DCSU) and Dell Management Console (DMC) tools.
- export components to new and existing respositories.

What's New in this Release?

- Option to launch Repository Manager in the Server or Client mode.
- Custom repositories supported in Client mode.
- A save icon is provided in the Bundles and Components tabs to facilitate saving the respository created or the **Catalog.xml** file, on your system.
- Option to replace the default script with a customized one, or appending customized scripts to the default script in the ISO, for deploying Linux bundles on the server.

- Clear depiction of user and Dell recommended bundles in the **Bundles** tab. In the Author column, the Dell recommended bundles are indicated as 'DELL' and customized bundles as 'User'.
- Option to download selected DUPs in the Components tab to a user-defined directory.
- A new option, 'Utility', is provided under the **Update Type** filter to search for bundles comprising utility updates. This option is available only in the Client mode.
- Two command line operations to automatically launch Repository Manager and to launch the application in Server or Client mode.

Features

- **Repository Manager in Server and Client mode —** In the Server mode, all the export options and tabs are available while editing a catalog. In the Client mode, only features relevant to the client catalog are available.
- **Customized repository and bundle management** — Create customized repositories and bundles using the graphical user interface (GUI) wizard. These customized repositories consist of organized sets of hardware updates such as: drivers, firmware, BIOS, and other applications that apply to your system. The Dell FTP site serves as the source location for the repositories. Export custom respositories with downloading the files, from the Dell FTP site.
- **Extensive search capability** — Comprehensive search and filter mechanism that allows you to filter components and bundles based on operating systems, platforms, devices, form factor, and criticality while creating repositories and bundles.
- **Automated deployment of customized repositories and bundles** — Create ISO, raw driver packs, deployment packs, and custom SUU using the bundles of your customized repository that can be deployed on any Dell system running Microsoft Windows or Linux.
- **Seamless environment management and deployment** — Use Repository Manager on any system (desktop, laptop, or server running a supported operating system) to create customized repositories and bundles that can then be used on any supported Dell PowerEdge system. You need not

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install Repository Manager on the platform you want to use it on. You can install Repository Manager on one system, but deploy updates on many other systems that do not have Repository Manager installed.

- **Two new Command Line Options to launch Repository Manager** — Use the command line:
  - repositorymanager.exe -c <catalog file name> to load a specific repository at start up.
  - repositoryManager.exe -m <server/client> to launch the application in Server or Client mode.

Getting Started with Repository Manager

This section lists an overview of the tasks you must perform to get started with Repository Manager.

Table 1-1. Getting Started

Task Order	Task	Where in this Guide
1	Create a repository	See "Creating a New Repository"
2	Import bundles to your repository	See "Importing Bundles"
3	Save your repository	See "Saving the Repository"
4	Export Bundles	See "Exporting Bundles"
5	Search your repository based on filters and search criteria you specify	See "Working with Filters in the Server Mode"

Other Documents You Might Need

Besides this guide, you can find the following guides on the Dell Support website at **support.dell.com/manuals**:

- The *Dell Systems Software Support Matrix* provides information about the various Dell systems, the operating systems supported by these systems, and the Dell OpenManage components that can be installed on these systems.
- The *Dell Update Packages User's Guide* provides information about obtaining and using DUPs as part of your system update strategy.
- The *Dell OpenManage Server Update Utility User's Guide* provides information about obtaining and using Server Update Utility (SUU) to update your Dell systems or to view the updates available for any systems listed in the repository.

For information on terms used in this document, see the *Glossary* on the Dell support website.

You can also find the following guides on the Dell Support website at **support.dell.com** and on the *Dell Systems Management Tools and Documentation* DVD.

- The *Dell OpenManage Server Administrator Installation Guide* contains instructions to help you install Dell OpenManage Server Administrator.
- Dell *OpenManage Management Station Software Installation Guide* contains instructions to help you install Dell OpenManage management station software that includes Baseboard Management Utility, DRAC Tools, and Active Directory Snap-In.

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2

Installing and Uninstalling Repository Manager

This chapter lists the system requirements and the procedures to install and uninstall Repository Manager.

System Requirements

Hardware Requirements

Table 2-1. System Requirements

Processor	1GHz Pentium processor or equivalent
RAM	1024 MB
Hard Disk	Up to 500 MB of available space
Display	1024 x 768 high color, 32-bit
Optical Drive	CD/DVD writer

Software Requirements

You can install Repository Manager on any system (desktop, laptop, server) running the supported version of Microsoft® Windows®.

- Install Microsoft .NET Framework 3.5 SP1 or a later version on the system on which you install Repository Manager.

  To download and install Microsoft .NET Framework 3.5 SP1, see **http://www.microsoft.com/net/Download.aspx**. This page also lists the system configuration required for the installation.
- Ensure that your system has an internet connection to use certain features of Repository Manager.
- Install a CD/DVD burning software on the system on which you install Repository Manager.

NOTE: You can directly launch Repository Manager from the installation media on systems where the .NET Framework 3.5 SP1 is installed.

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Supported Operating Systems

- Microsoft Windows Server 2008
- Microsoft Windows Server 2003
- Microsoft Windows Vista
- Microsoft Windows XP
- Microsoft Windows 7
- Microsoft Windows 2008 R2

NOTE: Repository Manager can only be installed on Windows operating systems.

Supported Internationalized Operating Systems

Repository Manager works on Windows operating systems, supported by Dell OpenManage, for the following languages:

- English
- French
- German
- Spanish
- Japanese
- Simplified Chinese
- Russian
- Portuguese

NOTE: The Repository Manager user interface is displayed only in English irrespective of the language of the operating system on which it is installed.

Supported Dell Systems for Exported Repositories and Bundles

You can use the exported bundles on Dell systems that support Dell Update Packages (DUPs). For a list of specific systems that support specific DUPs, see the *Dell Update Packages Readme* file on the Dell Support website at **support.dell.com/manuals**.

Downloading Repository Manager

Repository Manager is available as a free application that you can download directly from **dell.com/openmanage/DellRepositoryManager**, or from the Dell Support site at **support.dell.com**

1. Navigate to **support.dell.com**.
2. Click **Drivers & Downloads**.
3. Click **Enter a Tag** in the **Choose by Service Tag** section.
4. In the **Enter a service tag** text box, enter the service tag of your Dell system, and click **Go**.
5. Select the operating system running on your system from the **Operating System** drop-down list.
6. Under the **Results for** <*service_tag*> section, expand **Applications**.
7. Click the **.msi** file in the **File Title(s)** column and then click **Download** to download the Repository Manager installer.

Installing Repository Manager

1. Double-click **Dell Repository Manager.msi** that you downloaded.
2. In the **Dell Repository Manager - InstallShield Wizard** welcome dialog box, click **Next**.
3. In the **License Agreement** dialog box, click **I accept the terms in the license agreement,** and click **Next**.
4. In the **Customer Information** dialog box, enter your user name and the organization you belong to, and click **Next**.
5. The **Destination Folder** dialog box displays the default directory in which Repository Manager is installed.
   - Click **Change** to change the default location and Click **Next**.
6. In the **Setup Type** dialog box, select one of the following options:
   - Click **Complete** to install all the features of Repository Manager. Click **Next**.
   - Click **Custom** to install Repository Manager in a directory other than the default. Click **Next** to choose the features you want to install. Click **Change** to change the default location.

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7 Click **Install** to install Repository Manager. This may take a few seconds.

8 Click **Finish** to complete the installation.

A shortcut to launch Repository Manager is created on your desktop.

NOTE: When you Upgrade to a new version of Repository Manager, the older version will be uninstalled and the new version will be installed. You can re-use the repositories and settings you saved in the older version.

Uninstalling Repository Manager

Perform the following steps, depending on your operating system:

Windows Xp and Windows Server 2003

1 From the **Start** menu, click **Settings –> Control Panel –> Add or Remove Programs**.

2 In the **Add or Remove Programs** dialog box, select **Dell Repository Manager**, and click **Remove**.

3 Click **Yes** in the confirmation dialog box.

Windows Vista, Windows Server 2008, Windows 2008 R2, and Windows 7

1 From the **Start** menu, click **Control Panel –> Programs and Features**.

2 In the **Programs and Features** dialog box, select **Dell Repository Manager**, and click **Uninstall**.

3 Click **Yes** in the confirmation dialog box.

3

Repository Management

Repository Manager allows you to create customized repositories that you can use to update Dell™ PowerEdge™ systems. A repository is a collection of components, primarily Dell Update Packages (DUPs), that are periodically modified to hold the most current updates for your systems. You can arrange these components in bundles to group related updates together. Every repository has a **catalog.xml** file that specifies the contents of a repository.

Using Repository Manager you can:

- Create a new custom repository
- Import an existing repository
- Compare available repositories
- Save the repository

You can deploy the repository through bootable ISO images, raw driver packs, deployment scripts, or Server Update Utilities (SUU).

Creating a New Repository

1. Launch Repository Manager.
2. In the **Welcome** dialog box, click **Import a Repository**. Alternatively, click the **Add** link located at the top left corner of the Repository Manager to add a repository.
3. In the **Create/Load Repository** dialog box, select **Create New Repository** and click **Next**.
4. In the **Name and Description** dialog box, enter a name and description for your repository and click **Next**.
5. In the **Select Source Repository** dialog box:
   - Select **Local Repository** to select an existing repository as a base repository and then add bundles to the base repository.

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- Select **ftp.dell.com** to import the default repository. This option is enabled only if you have access to the Internet. You can import the bundles and components from this repository into the repositories you create. For more information see, "Importing an Existing Repository" on page 21.
- Select **Recent Repository** to view the ten most recent repositories that were created or imported using Repository Manager. You can select one of these repositories as the base repository.
- Select **Empty Repository** to create an empty repository.

6 Click **Next**.

7 If you select **Empty Repository**, and in the **Summary** dialog box click **Finish**, Repository Manager creates an empty repository. You can add bundles and components to the new repository. For information on adding bundles, see "Importing Bundles".

8 If you select an existing repository as a base repository, in the **Select Form Factor** dialog box, select the type of Dell systems that you want to include in your repository and click **Next**. Dell systems can be classified into racks (monolithic), towers (monolithic), and blades (modular) systems.

9 Click **Next**.

10 In the **Select Operating System(s)** dialog box, select the operating system whose components you want to include in the repository. For example, if you select **Windows**, all DUPs pertaining to the Windows operating system are included in the repository.

Selecting **Both** includes DUPs pertaining to the Windows and Linux operating systems.

11 Click **Next**.

12 In the **Select System Model(s)** dialog box, select *one* of the following options:

- **Select Include All** to include in your repository Dell Update Packages (DUPs) for all available systems based on the form factor you selected in step 5. For example, if you selected **Tower** as the form factor, selecting **Include All** includes DUPs of all the Dell tower systems in the repository.

- Select **Select Model(s)**to display all the available systems based on the form factor you selected in step 8. You can select individual or multiple systems as required from the list box. For example, if you select **Tower** as the form factor, selecting **Select Model(s)** displays all the Dell tower systems. You can then choose the tower systems whose DUPs you want to include in the repository.

13 Click **Next**.

14 In the **Select Bundle(s)** dialog box, select the bundles you want to include in the repository.

A bundle is a collection of DUPs that contain information about related components to be updated for that system.

- Select **ONLY include most recent and custom bundle(s)** to include only the recently released and customized bundles in the repository.
- Select **Select Bundle(s)** to select all the bundles displayed.

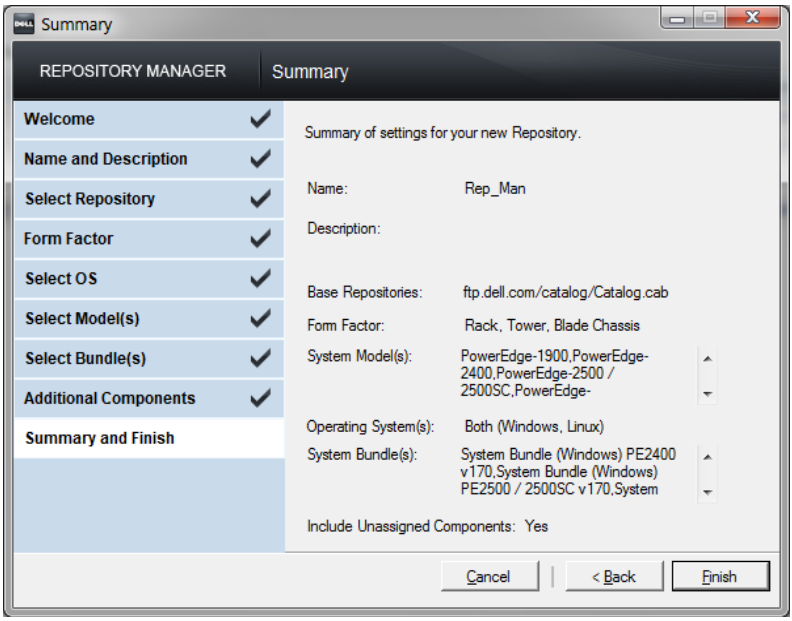
15 Click **Next**.

16 In the **Additional Component(s)** dialog box, click **Yes** if you want your repository to include additional components not included in the bundles you selected. Click **View Components** for examples of additional components.

17 Click **Next**.

18 The **Summary** dialog box displays the properties of the repository based on your selections in the Repository Manager as shown in Figure 3-1.

Figure 3-1. Summary dialog box



19 Click **Finish** to create the new repository.

You can view the bundles and components in this repository from the **Bundles** and **Components** tabs.

20 Click the **Save** icon located in the **Bundles** or **Components** tabs to save the repository in the **Catalog.xml** file on your system.

NOTE: Ensure that the bundles and components you add to the repository belong to a specified criteria. Repository Manager does not restrict you from adding components that do not belong to the specified criteria into the repository.

Importing an Existing Repository

1. Launch Repository Manager.
2. In the **Welcome** dialog box, click **Import a Repository**.
   If you want to import a repository from **ftp.dell.com**, select **Automatically import ftp.dell.com**. Repository Manager loads the entire repository from **ftp.dell.com**. You can view the bundles and components in this repository from the **Bundles** and **Components** tabs respectively.
3. In the **Create/Load Repository** dialog box, select **Load Existing Repository** and click **Next**.
4. In the **Select Source Repository** dialog box:
   - Select **ftp.dell.com** if you want to import a repository from **ftp.dell.com**.

     NOTE: You cannot edit bundles and components contained in the repository stored on **ftp.dell.com**. Therefore, all the buttons on the **Bundles** and **Components** screens are disabled if you are viewing the bundles and components from **ftp.dell.com**.
   - Select **Local Repository** if you want to import a repository stored on your system. Click **Browse** to specify the location of the local repository.
   - Select **Recent Repositories** to view the ten most recent repositories that you created or imported using Repository Manager.
5. Click **Next**.
6. In the **Summary** dialog box, click **Finish** to complete the import of the repository.

You can view the bundles and components in this repository from the **Bundles** and **Components** tabs.

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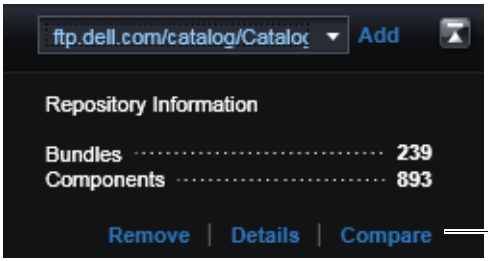
Comparing Repositories

You can compare the repository you created or imported (the base repository), with other available repositories (comparison repositories), and obtain the list of differences between the two repositories.

To compare repositories, click **Compare** on the top right hand corner of Repository Manager. You can also click the **Compare** button in the **Summary** dialog box.

NOTE: You must create or import at least two repositories to use the Compare feature.

Figure 3-2. Compare Feature



The table below lists the options in the **Compare Repositories** dialog box:

Table 3-1. Compare Repositories dialog box - Options

Field	Description
Base Repository	Select the initial repository that you want to use for comparison from the displayed list of available repositories.
Comparison Repository	Select the repository with which you want to compare your base repository. Displays a list of the available repositories.
Newer Versions	Select this check box to view newer versions of the same components in the comparison repository.
Changed Files	Select this check box to view any component files that have changed in the comparison repository.

Table 3-1. Compare Repositories dialog box - Options

Field	Description
Updates to Remove	Select this check box to view any updates removed from comparison repository but present in the base repository.
Updates to Add	Select this check box to view any updates present in the comparison repository but not the base repository.
Comparison Report	Click this button to save and view the comparison report in HTML.

The comparison report displays newer versions, added releases, and changed releases available in the comparison repository. You can update your base repository with the components displayed in the comparison report:

- On the **Newer Versions** tab, click **Update** to update the base repository with newer versions of the components.
- On the **Changed Files** tab, click **Add Copy** to add a copy of a component from the comparison repository to the base repository.
- On the **Updates to Remove** tab, click **Remove** to remove a component from the base repository.
- On the **Updates to Add** tab, click **Add** to add a component from the comparison repository to the base repository.

Saving the Repository

Repositories can be saved as:

- entire repositories including the catalog and the packages defined in it
- catalog only

Saving Entire Repositories

1. Create the required repository. For more information on creating repositories, see "Creating a New Repository" on page 17.
2. Add the required bundles and components to the respostiory. For more information on creating bundles and components, see "Creating Custom Bundles" on page 28 and "Adding and Removing Components" on page 37.
3. In **Bundles and Components** tab, click the **Save** icon. The **Save As** dialog box appears.
4. Navigate to the location on your system to save the repository in the **Catalog.xml** file.
5. Click **Save**.

Saving the Catalog

1. Select the repository you created or imported.
2. Click the **Save** icon.
3. Save the **Catalog.xml** file to the desired location on your system.

Editing or Deleting a Repository

You can only edit the name and description of a selected repository.

1. Select the repository you want to edit or delete.
2. To edit a repository, click **Details** link below the Repository drop-down list.
3. In the **Repository Details** dialog box, edit the name or description and click **Apply Changes**.
4. To delete a repository from Repository Manager, select the repository you want to delete, and click the **Remove** link below the Repository drop-down list.

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5 In the **Save Confirmation** dialog box, click **Yes** to save the repository in your system before deleting it. If you click **Yes**, Repository Manager saves the repository in your system but does not display it in the drop-down list. Click **No** to delete the repository without saving it.

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4

Bundles and Components Management

A bundle is a collection of Dell Update Packages (DUPs), also called components, that group together updates related to a certain platform, for example, PowerEdge™ R410 and operating system, for example, Microsoft® Windows® 2003.

You can use Dell Repository Manager to:

- Create and customize bundles
- Clone existing bundles
- Compare bundles
- Export bundles to external repositories or deploy them to applicable systems in the form of Linux ISOs, deployment packs, INF files, or a fully functional Server Update Utility (SUU).

You can check for updates to the DTK/SUU plug-in packages and download the new payload. This enables the Repository Manager to generate new bootable ISOs that will update the pre-OS BIOS and firmware. Once the packages are updated, you can use them as fully-functional SUUs.

Importing Bundles

1. Create or import a repository.
2. Click the **Bundles** tab.
3. Click **Add**.
4. In the **Import Bundle(s)** dialog box, click **Next**.
5. In the **Import Options** dialog box, select **Import bundle(s) from an existing repository** if you want to import bundles already present in an existing repository. If you want to create a custom bundle, select **Manually create a bundle**.

   For more information on the **Manually create a bundle** option, see "Creating Custom Bundles".

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6. Click **Next**.
7. In the **Select Source Repository** dialog box, select the repository that contains the bundles you want to import. The repository can be on **ftp.dell.com**, or a repository saved in your system, or a recently used repository displayed in the **Recent Repositories** list.
8. Click **Next**.
9. In the **Select Form Factor** dialog box, select the form factor of the systems associated with the bundle you want to import. For example, if you want to import the bundle for a tower system, select **Tower**.
10. Click **Next**.
11. In the **Select Operating System(s)** dialog box, select **Windows** or **Linux** to include the DUPs applicable to Windows or Linux respectively. You can select **Both** to include DUPs applicable for both the operating systems.
12. Click **Next**.
13. In the **Select System Model(s)** dialog box, select **Include All** to include DUPs for all available systems. Select **Select Model(s)** to include DUPs only for the systems you select from the displayed list.
14. Click **Next**.
15. In the **Select Bundle(s)** dialog box, select the bundles you want to include in the repository. Select **ONLY include most recent and custom bundle(s)** to include manually created bundles and the most recently used bundles.
16. Click **Next**.
17. The **Import Summary** dialog box displays a list of bundles based on the criteria you specified. Click **Finish** to import the bundles.

Creating Custom Bundles

You can create a custom bundle, and then import components to that bundle.

1. Load the repository that you want the custom bundle to belong to, or create a new repository.
2. Click the **Bundles** tab.
3. Click **Add**.

4 In the **Import Bundle**(s) dialog box, click **Next**.

5 In the **Import Options** dialog box, click **Manually create a bundle**.

6 Click **Next**.

7 In the **Name and Version** dialog box, enter a name and version for your bundle. Select the operating system this bundle is applicable to.

8 Click **Next**.

9 In the **Select Operating System** dialog box, select the operating system(s) required.

10 Click **Next**.

11 In the **Select Platforms** dialog box, select the required platform(s) required.

12 Click **Next**.

The **Import Summary** dialog box displays the properties of the custom bundle you created such as the Bundle Name, Bundle Type, OS Type, Associated Operating Systems, and Associated Platforms.

13 Click **Finish** to complete the creation of the custom bundle.

The custom bundle is added under the list of bundles on the **Bundles** tab. Custom bundles you create are indicated by 'User' in the **Author** column and Dell default bundles are indicated by the Dell logo. You can now export components to the custom bundle. For information on exporting components, see "Downloading Components".

NOTE: You cannot add components to a bundle if the components are not compatible with the Operating System or Platform associated with the bundles.

Cloning Bundles

You can create an exact copy of an existing bundle, and specify a new name and version for the copy.

1 Click the **Bundles** tab.

2 Select a bundle you want to copy from the list of displayed bundles, and click **Clone**.

3 In the **Clone a Bundle** dialog box, the **Bundle Name** field displays the bundle that you selected to be copied or cloned.

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4 In the **New Name** field, enter a name for the cloned bundle.

5 In the **Version** field, enter a version number for the cloned bundle.

6 Click **OK**.

Comparing Bundles

You can compare bundles, view and compare the DUPs that have changed in the bundles you selected.

1 On the **Bundles** tab select the bundle you want to compare. This is the base bundle

2 Click **Compare**.

3 In the **Compare Bundles** dialog box, select a repository that contains the bundle with which you want to compare the base bundle, from the **Repository** drop-down list.

4 The **Bundles** list box displays the bundles contained in the repository you selected. Select the bundles you want to compare with the base bundle.

NOTE: The **Bundles** list box displays bundles from the selected repository based on the base bundle. If you select a Linux bundle as the base bundle, then Linux bundles are displayed. If you select a Windows bundle as the base bundle, then Windows bundles are displayed.

5 Select **Newer Versions** to view newer versions of the components in the bundles you selected.

6 Select **Changed Files** to view component files that have changed in the selected bundles.

7 Select **Updates to Add** to view updates that are present in the comparison bundle but not in the base bundle.

8 Select **Updates to Remove** to view updates that are present in the base bundle but not in the comparison bundle.

9 Click **Compare** to view the comparison report for the selected bundles based on the criteria you specified.

10 You can also click **Comparison Report** to save the report as a HTML file and view it in a Web browser.

Exporting Bundles

You can export a bundle in the form of ISO or INF files or light-weight deployment packs, or SUU, and use it to update applicable systems. You can export a bundle to an existing repository.

1. Click the **Bundles** tab.
2. Select the bundles you want to export from the list of displayed bundles and click **Export**.
3. In the **Export Bundle(s)** dialog box, click **Next**.
4. In the **Export Destination** dialog box, select *one* of the following:
   - **Export to Repository** to export the bundles to a repository. You can choose to export to an existing repository or create a new repository. If you select the **Export as NEW Repository** option, Repository Manager creates a repository containing only the bundles you selected.
   - **Raw Driver Pack** to export the bundles as INF files. You can use these INF files to update applicable systems. This option is applicable to only those bundles that contain driver updates for the supported Microsoft Windows operating system.

     NOTE: Bundles containing Linux components are skipped during the export process.

     For every exported bundle(s), a folder is created with the name of the bundle(s). Navigate to the required bundle folder and run **.bat** file to apply the drivers on the system.
   - **Deployment Media** to update systems irrespective of the operating system installed on them. It can be used to update systems that do not have an operating system installed.

     The **Deployment Media** option exports the bundles as ISO images. You can burn these ISO images to a CD, and boot the CD on the systems that you want to update with the latest bundles. This option is available for deployment only if you select Linux custom bundles.

     This ISO image uses DTK Linux Kernel to execute the DUPs and update the system.

     If the deployment media(ISO) is created using multiple base lines(bundles), all the base lines will be displayed on the console when

you boot the server through the media. To start the execution, enter the number corresponding to the required baseline and press **Enter**. For example, if M710 is the second in the list, press 2 and apply the bundle.

If the deployment media is created using a single base line (bundle), execution automatically starts when you boot the server through the media.

When a deployment folder is created, a new **Readme.html** is created with the bundles in the location you provided. The readme file describes the contents of the deployment kit such as platform included, operating system (OS), and information about components.

NOTE: If you select Windows bundles, they will be skipped.

You can also customize the Dell default script or add your own scripts for deployment. For more information, see "Customizing the Script for Deployment".

- **Export to light weight deployment scripts** to export the bundles in the form of deployment scripts. Select a location to save these bundles. Repository Manager saves the scripts for bundles pertaining to Microsoft Windows in the **.bat** format and Linux in the **.sh** format. You can then run the **.bat** and **.sh** scripts on Microsoft Windows and Linux systems respectively.

  When a deployment folder is created, a new **Readme.html** is added. The Readme file describes what the deployment kit contains, like supported platforms, OS, and information about components.

  NOTE: You can edit these scripts to add or remove components of your choice.

- **Export as SUU** to export a selected Dell recommended or custom bundle as a fully functional SUU. For more information, see "Exporting as a Functional SUU."

5 Click **Next**.

6 In the **Browse for Folder** dialog box, select the folder on your system where you want to store the exported bundle.

In the **Export Summary** dialog box, the details about the bundles selected for export and the destination properties appear.

7 Click **Finish** to complete the export.

To export bundles on a shared network using deployment script, raw driver pack, deployment media, and SUU, map the shared network prior to the export, and during the export point the mapped shared network as the destination location.

Exporting as a Functional SUU

You can export a selected Dell recommended or a custom bundle as a fully functional SUU.

1 Load or import a repository.

2 Click the **Bundles** tab.

3 Select the bundles you want to export from the list of displayed bundles, and click **Export**.

4 In the **Export Bundle(s)** dialog box, click **Next**.

5 In the **Export Destination** dialog box, click **Check for latest Plugin.**

This checks for availability of the SUU plugin in **ftp.dell.com**.

NOTE: For the first time, **Export as SUU** option button is disabled. The option is enabled after you download the plugin, or there is an existing plugin in your local system.

- While the check for SUU plugin is in progress, **Looking for Plugin** is displayed.
- If there is a plugin, **Plugin Update Available** is displayed.

6 Click on **Plugin Update Available**.

- In the **Update SUU Creation** dialog box, click **OK** to download the plugin.
- If the latest plugin is already downloaded, **Latest Plugin Installed** is displayed.

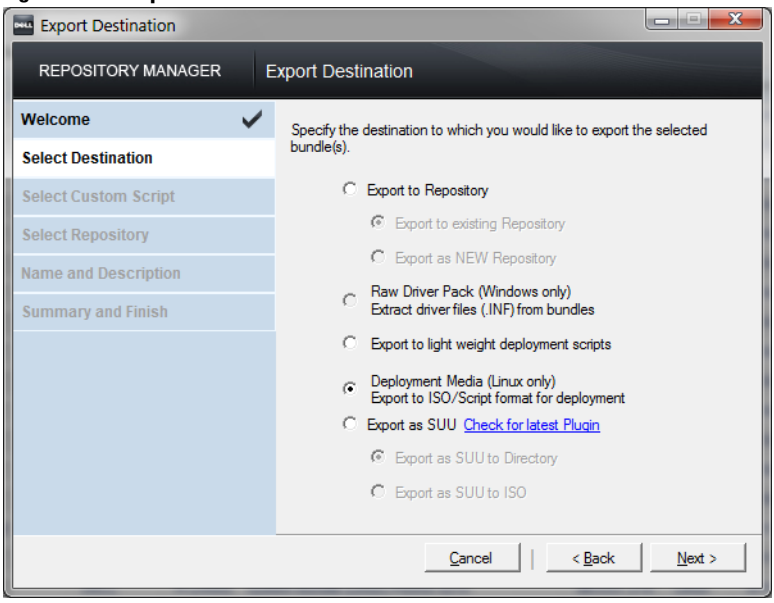
NOTE: Ensure the system connects to the internet and **ftp.dell.com** is reachable. If **ftp.dell.com** is not reachable, click **Check for latest Plugin** to retry.

7 In the **Export as SUU** option, select **Export as SUU to Directory** or **Export as SUU to ISO**.

Export as SUU to Directory creates an SUU pack in the provided directory. The **Export as SUU to ISO** creates an ISO image of the fully functional SUU pack.

For more information on Usage of SUU on Windows and Linux servers, refer to *Dell™ OpenManage™ Server Update Utility User's Guide* at **support.dell.com**

Figure 4-1. Export Destination



Customizing the Script for Deployment

You can use your customized script instead of the Dell default script, or append the default script in the ISO, for deploying Linux bundles on the server.

1. Load or import a repository.
2. Click the **Bundles** tab.
3. Select the bundles you want to export from the list of displayed bundles, and click **Export**.

4 In the **Export Bundle**(s) dialog box, click **Next**.

5 In the **Export Destination** dialog box, select **Deployment Media (Linux only) Export to ISO/Script format for deployment.**

6 Click Next.

7 In the **Browse For Folder** dialog box, navigate to the folder on your local drive, where the your customized script is located.

8 Click **OK**.

9 In the **Select custom Bundle Script** dialog box, select **Yes** to include a custom script in the deployment media.

10 Under **Select custom script**, select one of the following:

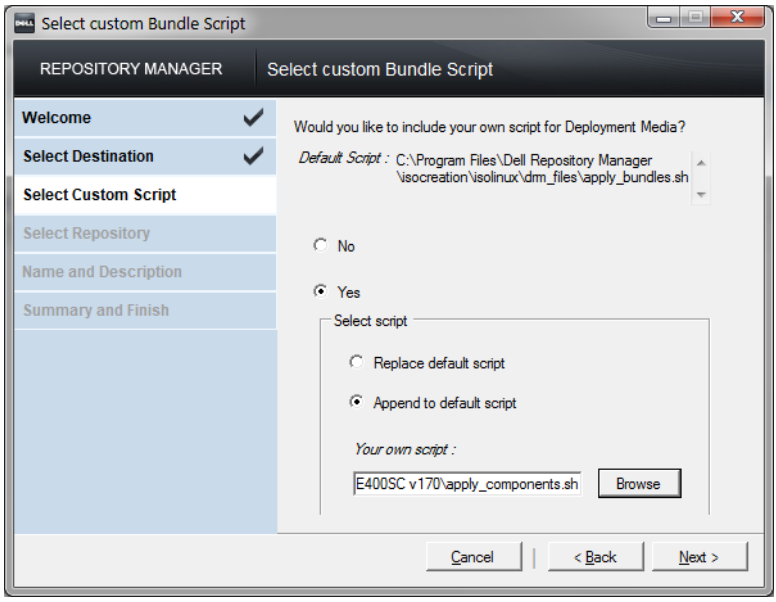
- **Replace default script with custom script** to execute the customized script instead of the Dell default script. Click **Browse** to navigate to the folder where the customized script is located.
- **Append custom script to default script** to execute the customized script after the Dell default script is executed.

NOTE: Ensure the customized script is of '.sh' format.

11 Click **Next**.

The **Export Summary** dialog box displays details of the selected bundles, destination properties, and custom bundle script used.

Figure 4-2. Select custom Bundle Script



Customizing Bundles

You can customize the Dell recommended bundles as per your needs by removing components, adding DUPs, or modifying the titles of bundles.

1. In the **Components** tab, select the System Bundle you want to customize, from the **Selected Bundles** drop-down list.
2. Make the required changes. The following message appears.

   "You are about to modify a Dell recommended bundle(s). Please test the bundle(s) before deployment if you want to continue."
3. Click **Ok** to proceed with the changes.

Adding and Removing Components

You can add components from other bundles and repositories to the bundle or repository you select. You can remove components from a bundle or a repository.

1. Select the repository to which you want to add the component.
2. On the **Components** tab, click **Add**.
3. In the **Select DUP File to Add** dialog box, select the component that you want to add. You can browse and search for the component from all the repositories available on your system.
4. Repository Manager adds the component to the repository and the **DUP File(s) Imported** message is displayed.
5. To remove a component, on the **Components** tab select the component you want to remove, and click **Remove**.

   Repository Manager removes the component from the repository.

   NOTE: You can remove a component from a bundle in a similar way. The component removed from the bundle will be available in the repository.

Downloading Components

You can download one or multiple components to the local drives on your system.

1. In the **Components** tab, select the component you want to download.
2. Click **Download**.
3. In the **Browse For Folder** dialog box, navigate to the folder on your local drive where you want to download the component.
4. Click **OK**. The component is downloaded to the location.

Exporting Components

1. Select the repository to which you want to export the component.
2. On the **Components** tab, select the component(s) to export.
3. Click **Export**.

4 In the **Export Component**(s) dialog box, click **Next**.

5 In the **Export Destination** dialog box, select any of the following:

- **Export to existing Repository** — to export components to an existing repository. Select the repository to export the components. Click the **Add** button to select repositories that are not displayed under **Repositories**.
- **Export as NEW Repository** — to export components to a new repository that you create. In the **Name and Description** dialog box, enter the name and description of the components. For information on creating a repository, see "Creating a New Repository".
- **Export to existing Bundle** — to export components to an existing bundle in the same repository. Select a specific bundle to which you can add the components.
- **Export as NEW Bundle** — to export components to a bundle in the same repository. In the **Name and Version** dialog box, enter the name, version, and OS type of your bundle, and click **Next**. In the **Select Operating System** dialog box, select the required operating system(s). In the **Select Platforms** dialog box, select the desired platform(s).

6 Click **Finish** to complete the export.

NOTE: To add a component to a bundle, first add the component to the repository the bundle belongs to, and then export it to the bundle.

Creating Bootable USB Keys for Deployment Updates

You can create bootable USB keys for deployment updates, using any third-party or free tool. The procedure for creating bootable USB keys, using the tool - UNetBootIn as an example, is described below.

1 Download the UNetBootIn for Windows available at the URL:

www.sourceforge.net/projects/unetbootin/files/UNetbootin/442/unetbootin-windows-442.exe/download

2 Run RM and generate the deployment media.

3 Start UNetBootIn and select the “Diskimage” option.

4. Click […] adjacent to the ISO dropdown and navigate to the ISO created by RM.
5. Ensure that the type setting is equal to USB Drive and the location where you want to download the USB key appears in the drive dropdown.
6. Click **OK** to start the USB writing.
7. After the USB key writing is complete, insert the USB Key into a USB port on the system you want to upgrade.
8. Press **F11**. The boot menu appears.
9. Select the USB key as the boot target.
10. Select option 1 in the UNetBootIn menu's boot menu.

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5

Filters in Repository Manager

Repository Manager has an extensive search mechanism that allows you to query repositories, create filters, and save and load filters. Using the filtering capability of Repository Manager, you can view specific bundles and Dell™ Update Packages (DUPs) from any selected repository.

You can create filters based on the following criteria:

- Platforms
- Operating systems
- Operating system revisions
- Devices
- Component types such as BIOS, firmware, drivers
- Criticality
- Release date
- Updated revision level
- PCI device information

Working with Filters in the Server Mode

You can create filters at the repository level, bundle level, or component level. To create a filter:

1. In the left pane of Repository Manager, select a repository whose bundles and components you want to search. The bundles and components for that repository are displayed on the right side.
2. In the left pane, expand each feature to create a filter based on that feature.



NOTE: The **Search Filter** operation is different for bundles and components. To share the filter across bundles and components, save the filter and apply the saved filter at the required bundles or components tab.

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Table 5-1 lists the properties of the filters that you can base your search on:

Table 5-1. Filter Properties

Property	Description
Text Search	Filters bundles and components based on the text you enter. For example, if you enter **PowerEdge R410**, Repository Manager displays all the latest repositories, bundles, and components applicable to the Dell PowerEdge™ R410 system. **NOTE:** You can enter only regular search syntax in this field. Using wildcard entries may not display the required search result.
Update Type	Filters bundles and components based on the type of components. For example, if you select **BIOS**, Repository Manager displays all the bundles and components comprising only BIOS updates. **NOTE:** This filter displays the bundles only if they have components matching the search criteria.
Criticality	Filters bundles and components based on the criticality of the update. For example, if you select **Urgent**, Repository Manager displays all the bundles and components that you need to immediately update your system with. **NOTE:** This filter displays the bundles only if they have components matching the search criteria.
Form Factor	Filters bundles and components based on the form factor. For example, if you select **Tower**, Repository Manager displays the bundles and components applicable to all the tower systems in your repository.

Table 5-1. Filter Properties *(continued)*

Property	Description
Component Version	Filters bundles and components based on the version of the component. If you select: • **All**: Displays all the components in the selected repository irrespective of the component version. • **Most Recent**: Displays the most recent version of the component in the selected repository. • **Contains**: Displays all the components whose version contain the text you entered. For example, if you entered **A01**, Repository Manager displays all the components whose version is **A01**. **NOTE:** This filter displays the bundles only if they have components matching the search criteria.
Operating System Restrictions	Filters bundles and components based on the operating system. For example, if you select **Windows**, Repository Manager displays the bundles and components applicable to the update of the Windows operating system. **NOTE:** When you select an operating system, Repository Manager displays all the applicable updates relevant to that operating system. However, some of these updates may be associated with operating systems no longer supported by Dell. See the *Dell Systems Software Support Matrix* on the Dell Support website at **support.dell.com/manuals** for the list of supported operating systems.
Supported Platforms	Filters bundles and components based on the selected platform. For example, if you select **PowerEdge R200**, Repository Manager displays the bundles and components applicable to the Dell PowerEdge R200 system. **NOTE:** When you select a platform, Repository Manager displays all the applicable updates relevant to that platform. However, not all these updates may be available on the Dell Support website at **support.dell.com**.

Table 5-1. Filter Properties *(continued)*

Property	Description
Supported Devices	Filters bundles and components based on supported hardware devices. For example, if you select **NIC**, Repository Manager displays all the bundles and components that contain updated Network Interface Cards (NICs). **NOTE:** This filter displays the bundles only if they have components matching the search criteria.
Release Dates	Filters bundles and components based on the release date of the bundles and components. For example, if you enter 11/11/2009 and select **Prior to**, Repository Manager displays all the bundles and components released earlier than November 11 2009.
PCI Device Information	Filters bundles and components based on the PCI devices. **NOTE:** This filter displays the bundles only if they have components matching the search criteria.

3. Click **Save Filter** to save your search and use it in the future.
4. In the **Save Filter** dialog box, specify a name and description for your filter.
5. Click **Save**.

You can access the saved search/filter from the drop-down list located above the **Text Search** field. When you access the search, Repository Manager displays all the bundles and components based on the search filter on the right side.

Working with Filters in the Client Mode

Managing Filters in the Server Mode

The drop-down list on the left side of Repository Manager displays the filters that you created and saved. To view a summary of the all existing filters, click **Manage Search Filters** in the drop-down list. The **Manage Filters** dialog box is displayed.

Table 5-2 lists the options in the Manage Filters dialog box.

Table 5-2. Options in the Manage Filter dialog box

Option	Description
Properties	Click the **Properties** button to edit the name and description of a selected filter.
Delete	Click the **Delete** button to delete the selected filter.

Managing Filters in the Client Mode

6

Frequently Asked Questions

This section lists some frequently asked questions about Repository Manager.

I do not see the Welcome screen everytime I launch the application. How can I make it appear?

When you select “do not show again” on the Welcome screen, it does not appear from the next time onwards.

To make the Welcome screen appear:

On Microsoft® Windows® XP and Windows Server® 2003:

OS installed drive(C):\Documents and Settings\<user name>\Local Settings\Application Data\ RepositoryManager\

On Windows Vista®, Windows Server 2008® and Windows 7:

OS installed drive(C):\Users\<user name>\AppData\ Local\RepositoryManager\

Delete the file **DoNotShow.tmp**

I cannot see all the bundles and components on the Bundles and Components tabs when I load my repository.

You may have used a filter that is hiding some of the bundles and components. Click **Clear Filter to make** all the bundles and components visible.

My search displays even those bundles that are not relevant to my systems.

Sometimes, Repository Manager searches the bundle and then the components inside that bundle. Select the check box next to the specific bundle and then click the **Components** tab. The components you see are the ones causing that bundle to appear as a search result.

I see an update present in support.dell.com but when I load the repository from ftp.dell.com using Repository Manager, I don't see that update.

Repository Manager loads the latest **ftp.dell.com** repository that Dell™ OpenManage™ supports. The content in this repository releases quarterly and follows a robust testing process. Sometimes, updates may be available on **support.dell.com** before the contents of the repository on **ftp.dell.com** are updated. If you want to add an update to your repository from **support.dell.com**, download the update locally, and click **Add** on the **Components** tab of Repository Manager. This adds the update to the repository you selected.

How do I view the unassigned components in a repository?

Select a repository and click the **Components** tab. From the **Selected Bundles** drop-down list on the right side, select **UnAssigned Components**. Repository Manager displays the unassigned components. The **UnAssigned Components** option is not displayed if the bundle does not have any unassigned components.

I want to edit the search criteria of the filter that I created.

In the left pane of Repository Manager, select the filter whose criteria you want to edit from the drop-down list located above the **Text Search** field. The features for which you specified criteria are marked with *. You can edit the criteria in these features or specify new criteria.