Updating OME repository using schedule support site option in DRM 2.0

This technical white paper describes about updating OME repository using schedule support site option in DRM 2.0

Dell Engineering
December 2014
Revisions

<table>
<thead>
<tr>
<th>Date</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>December 2014</td>
<td>Initial release</td>
</tr>
</tbody>
</table>

THIS WHITE PAPER IS FOR INFORMATIONAL PURPOSES ONLY, AND MAY CONTAIN TYPOGRAPHICAL ERRORS AND TECHNICAL INACCURACIES. THE CONTENT IS PROVIDED AS IS, WITHOUT EXPRESS OR IMPLIED WARRANTIES OF ANY KIND.

© 2014 Dell Inc. All rights reserved. Reproduction of this material in any manner whatsoever without the express written permission of Dell Inc. is strictly forbidden. For more information, contact Dell.

Dell, the DELL logo, and the DELL badge are trademarks of Dell Inc. Other trademarks and trade names may be used in this document to refer to either the entities claiming the marks and names or their products. Dell disclaims any proprietary interest in the marks and names of others.
# Table of contents

- Revisions ........................................................................................................................................... 2
- Acknowledgements ............................................................................................................................ 4
- Feedback .................................................................................................................................................. 4
- Executive summary .............................................................................................................................. 5

1 Introduction ........................................................................................................................................... 6

2 Purpose and scope ................................................................................................................................... 7

3 Terminology ........................................................................................................................................... 8

4 Updating OME repository using DRM ................................................................................................. 9
   4.1 Procedure to Update OME Repository using DRM ....................................................................... 9
   4.2 Create OME repository using DRM ............................................................................................. 9

5 Additional resources ............................................................................................................................. 30
Acknowledgements

This white paper was produced by the following members of the Dell Enterprise Engineering team:

Engineering: Palani Raja, Sindhu Murthy

Editor: Mainak Roy

Feedback

We encourage readers of this publication to provide feedback on the quality and usefulness of this by logging information on DRM Techcenter.
Executive summary

Dell Repository Manager (DRM) is a Windows based application that assists IT Administrators to easily create Repositories of Windows and Linux updates, quickly identify new updates and package them into a format for deployment.

DRM integrates with several Dell provided tools to assist in the creation of a customized Repository of updates.

After a Repository is established, DRM has the ability to assist with identifying when newer updates are available. This paper covers the use of the Scheduled Automatic Search to assist in identifying and gathering new updates as well as receive an email notification.
1 Introduction

Dell Repository Manager (DRM) is an application that allows IT Administrators to easily manage system updates. Dell Repository Manager provides a searchable interface used to create custom software collections.

Basic DRM Terminologies

1. Components: The physical update files, typically in DUP format.
2. Bundle: Groups of Components organized by System Type (R730, T620, VRTX etc...).
3. Repository: A Bundle or Group of bundles.
2 Purpose and scope

The purpose of this whitepaper is to guide the customers who are using OpenManage Essentials (OME), and want to update the OME specific Repository with the latest drivers, BIOS, firmware, and applications. We are going to demonstrate how you can use DRM Schedule Support site feature to automatically update the OME based Repository.
### 3 Terminology
The following terms will be used throughout this document.

**Dell Change Management Terminology**

<table>
<thead>
<tr>
<th>Term</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dell Update Catalog</td>
<td>A metadata file to define all elements of a Dell update repository. The catalog file is in XML format or a .cab file containing a catalog XML file. For Dell server platforms, the Dell online catalog file is Catalog.cab while for Dell business client systems, it is CatalogPC.cab. Dell Repository Manager (Repository Manager) can save a catalog in XML or CAB formats.</td>
</tr>
<tr>
<td>Dell Update Package</td>
<td>A self-contained installation package for BIOS, firmware, drivers, and system application software.</td>
</tr>
<tr>
<td>Bundle</td>
<td>A virtual concept in a Dell update catalog. A bundle defines a container that contains a group of correlated Dell update packages. The common bundle is system bundle which includes all update packages for one Dell platform. All update packages of a bundle must be defined in the same catalog.</td>
</tr>
<tr>
<td>Component</td>
<td>A Dell update package. A component may or may not be contained within one or multiple bundles.</td>
</tr>
<tr>
<td>Source (Repository)</td>
<td>A source (repository) refers to a repository which a local repository can inherit bundles and/or components from. By default, it refers to the Dell online repository which is hosted on ftp.dell.com. A source will be opened as a read-only repository in Dell Repository Manager.</td>
</tr>
<tr>
<td>Local Repository</td>
<td>A local repository is created by a Dell Repository Manager user. A local repository data are saved in a local database. The owner of a local repository has full permissions on a local repository.</td>
</tr>
</tbody>
</table>
4 Updating OME repository using DRM

Here, we discuss about the procedure of updating the OME repository using DRM.

4.1 Procedure to Update OME Repository using DRM

1. You can create iDRAC Repository using DRM with discovered models.
2. Go to “Search Dell Support Site” option in “My Repository” tab.
3. Select the repository and then select “Schedule Repository Search” option in the action pane.
4. Select the bundles in the repository.
5. Select the local repository path to save.
6. Schedule the frequency to check for new updates.
7. Configure Email settings, if required.

OME repository updates as per the schedule.

4.2 Create OME repository using DRM
Getting Started

Step 1: Populate your database
In case, you are using the Dell Repository Manager for the first time, you need to populate the database before you proceed. If you have installed the latest version on a system that had DRM v5.5 (or greater) the database should have been populated with the last content synchronization.

- **Sync Database with Dell Online Catalog**
  You can populate the DRM database with the help of the latest Dell Online catalog. If you have updated to the latest DRM version on a system that had DRM v5.5 (or greater), you can use this function to update the database to the latest version of the catalog.

- **Sync Database with Local Source Catalog**
  If you have a local copy of the Dell Online Catalog, which can be accessed by DRM (via the Applications drop down box, Settings and Source Repository), then use this option to populate the DRM database.

Step 2: Create a Repository
Often the first thing that you will try with the Dell Repository Manager is to create a repository with updates. If you have created repositories with the older versions of DRM, those repositories will be accessible from the My Repositories tab.

- **Create a New Repository**
  The New Repository wizard helps you with the options to create a new Repository. This function is also available from the My Repository tab once you click New. In case, you want to create custom repositories using Dell OpenManage Essentials (OME), Dell OpenManage Integration for VMware vCenter or Dell Modular Chassis, click My Repositories tab and select New. You have the choice to select the appropriate wizard.

Figure 1  Dell Repository Manager Data Center Version Wizard
From the Start menu, open All Programs and select Dell Repository Manager Data center.

![Image of Dell Repository Manager interface]

**Figure 2** Launch Dell OpenManage Essential Inventory wizard.

Under **New** drop-down menu, select **Dell OpenManage Essential (OME) inventory** option.
Figure 3  Create Repository for Dell OpenManage Essentials Wizard.

Create OME repository by any name.
Click Next.
Figure 5  Create Repository for Dell OpenManage Essentials Wizard.

Select Dell Online Catalog, and then click Next.
Figure 6  Create Repository for Dell OpenManage Essentials Wizard.

Provide OME IP or Host details, you can use **UserName** and **Password**, when you are using a differentCredential.
After IP or Credentials of the OME server is provided, click **Connect**.
Updating OME repository using schedule support site option in DRM 2.0

Figure 8 Dell OpenManage Essentials Inventory Wizard.

![Figure 8](image)

Figure 9 Security Warning Wizard

Click **Yes**.
Figure 10  Create Repository for Dell OpenManage Essentials Wizard.

Discovered machines are listed.
Updating OME repository using schedule support site option in DRM 2.0

Figure 11  Create Repository for Dell OpenManage Essentials Wizard.

Click Next.
Figure 12  Create Repository for Dell OpenManage Essentials Wizard.

Click Finish.
Updating OME repository using schedule support site option in DRM 2.0

Figure 13  Comparing Updates wizard.

Figure 14  New repository from inventory wizard.

Click Close.
Select **OME Repository**, and then select **Schedule Repository Search** option in Action pane.
Figure 16  Schedule Repository Search Wizard.

Click **Next**.
Updating OME repository using schedule support site option in DRM 2.0

Figure 17  Schedule Repository Search Wizard.

Click Next.
Figure 18  Schedule Repository Search Wizard.

Click Next.
To configure your email settings to get notification on the status of the scheduled search, follow these steps:

1. Click **Configure Email Settings**.
2. Configure your **Default Email Address**, **Email Type**, and **Server** as required.
3. Click **Finish**.

**Figure 19** Schedule Repository Search Wizard.

Click **Finish**.
Using SMTP server IP and credential details to configure SMTP.

Figure 20   Email settings wizard.
Figure 21  Email Settings wizard.

Use Microsoft Exchange Email ID and credential details to configure Microsoft Exchange email.
Figure 22  Task Creation Wizard.

Click **Yes**.

Figure 23  Automatic Search Wizard.

Click **OK**.
5 Additional resources

Support.dell.com is focused on meeting your needs with proven services and support.

DellTechCenter.com is an IT Community, where you can connect with Dell Customers and Dell employees for the purpose of sharing knowledge, best practices, and information about Dell products and installations.

Referenced or recommended Dell publications:

- Install Guide:
  [http://www.dell.com/support/home/us/en/19/Products/software/ent_sys_mgmt/ent_sys_mgmt_repository_mngr](http://www.dell.com/support/home/us/en/19/Products/software/ent_sys_mgmt/ent_sys_mgmt_repository_mngr)

- User Guide
  [http://www.dell.com/support/home/us/en/19/Products/software/ent_sys_mgmt/ent_sys_mgmt_repository_mngr](http://www.dell.com/support/home/us/en/19/Products/software/ent_sys_mgmt/ent_sys_mgmt_repository_mngr)

- Reference Guide:
  [http://www.dell.com/support/home/us/en/19/Products/software/ent_sys_mgmt/ent_sys_mgmt_repository_mngr](http://www.dell.com/support/home/us/en/19/Products/software/ent_sys_mgmt/ent_sys_mgmt_repository_mngr)

- Dell Repository Manager: Tech center:

- Dell Repository Manager: Whitepapers