

# Creating and updating iDRAC repository using DRM 2.0

This technical white paper describes about creating DRM repository using iDRAC inventory and update the repository using scheduled repository search option in DRM 2.0

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# Revisions

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#### Feedback

We encourage readers of this publication to provide feedback on the quality and usefulness of this by logging information on <u>DRM Techcenter.</u>



#### **Executive summary**

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Dell Repository Manager (DRM) is an application that facilitates IT Administrators to effortlessly plan and manage system updates. Dell Repository Manager enables to create custom software pools known as bundles and repositories of Dell Update Packages (DUPs). These bundles and repositories allow the deployment of multiple updates at once. Additionally, the Dell Repository Manager makes it easier to locate specific updates for a particular platform which saves time.



# Introduction

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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 known as bundles and repositories of Dell Update Packages (DUPs). These bundles and repositories allow for the deployment of multiple firmware updates at once.

A Dell Update Package (DUP) is a self-contained, executable in a standard package format that updates a software element on a Dell server such as the BIOS, a device driver, firmware, and other similar software updates.



### 2 Purpose and scope

The purpose of this white paper is to guide the customers in updating servers with the latest drivers, firmware and application regularly, which is discovered by iDRAC inventory using Dell Repository Manager scheduled repository search option.

This paper covers how to use Dell Repository Manager (DRM) to create a custom repository of updates, by using the system's inventory provided by iDRAC.



# 3 Terminology

The following terms will be used throughout this document

Dell Update Catalog	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.
Dell Update Package	A self-contained installation package for BIOS, firmware,
	drivers, and system application software.
Bundle	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.
Component	A Dell update package. A component may or may not be
	contained within one or multiple bundles.
Source (Repository)	A source (repository) refers to a repository which a local
	repository can inherit bundles and/or components from.
	A source repository can be assigned by a user. 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.
Local Repository	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.

#### **Dell Change Management Terminology**

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# 4 Creating and updating iDRAC Repository using DRM

Here, we discuss about the procedure of creating iDRAC repository using DRM.

#### 4.1 Procedure to Create and update iDRAC repository using DRM

- 1. You can create iDRAC Repository using DRM with the 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.

iDRAC repository gets updated as per the schedule.



#### 4.2 Create DRM repository using iDRAC inventory

Dell Repository Manager Data Center Version
<u>Application Source Repository B</u> undle <u>C</u> omponent <u>J</u> obs <u>H</u> elp
Welcome x 🚰 My Repositories
Display Welcome tab at application startup
Dell Repository Manager (DRM) allows you to create and manage customized repositories consisting of Dell Update Packages (DUPs, also known as Components) and groups of DUPs (also known as Bundles).
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 v1.5 (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 v1.5 (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.
Jobs Queue Pending for Confirmation: 0 Queued: 0 Completed: 12

Figure 1 Dell Repository Manager Data Center Version Wizard

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

E M	Paparitoriar								
y Repo	sitories				Q View Loca	I Source Catalog	Q View Dell Online Catalog	🐉 Search Dell Support Site	Schedule Automatic Sear
ew 🔻	Copen Delete & Schedule		Search	1		1			
ell iDRA	C Inventory	dies	Components	Created	Imported	Description			
ell Oper	Manage Essentials (OME) inventory		1774	10/31/2014	11/3/2014				
ell Oper	Manage Integration for VMware vCenter invent ular Chassis inventorv	ory	1617	9/29/2014	11/4/2014				
ell Gene	ric Inventory		1229	3/4/2014	4/10/2014				
mpty (no	p inventory)		1234	3/4/2014	4/10/2014				
	Imported Repository: 4/10/2014 2:41:51 PM	452	1346	3/28/2014	4/10/2014				
	Imported Repository: 4/16/2014 11:48:23 AM	451	1191	3/28/2014	4/16/2014				
	Imported Repository: 4/16/2014 4:30:48 PM	449	1229	3/4/2014	4/16/2014				
	Archived Dell Online: 03/28/2014 14:04:35	452	1351	3/28/2014	4/17/2014				
	Imported Repository: 5/21/2014 9:52:01 PM	455	1432	4/24/2014	5/21/2014				
	Imported Repository: 6/1/2014 11:04:03 PM	464	1436	5/29/2014	6/1/2014				
	Archived Dell Online: 04/24/2014 09:08:36	455	1434	4/24/2014	5/30/2014				
	Imported Repository: 9/1/2014 4:19:09 AM	0	1034	6/24/2014	9/1/2014				
	Imported Repository: 9/1/2014 4:23:03 AM	1	1080	8/25/2014	9/1/2014				
	Imported Repository: 10/10/2014 1:40:11 AM	495	1612	9/29/2014	10/10/2014				
	Imported Repository: 9/1/2014 5:07:33 AM	480	1448	8/27/2014	9/1/2014				
	Imported Repository: 9/2/2014 12:51:07 AM	158	686	6/19/2014	9/2/2014				
	Archived Source: 08/26/2014 18:48:54	158	729	8/26/2014	9/9/2014				
	Archived Source: 08/26/2014 18:48:54 -1	74	452	8/26/2014	9/9/2014				
	Archived Source: 08/26/2014 18:48:54 -2	84	549	8/26/2014	9/9/2014				
	Imported Repository: 9/9/2014 9:17:11 PM	479	1447	8/27/2014	9/9/2014				
	OME_Repository	12	65	9/17/2014					
	Imported Repository: 9/22/2014 5:33:13 AM	452	1547	9/19/2014	9/22/2014				
	Imported Repository: 9/26/2014 9:58:14 AM	494	1622	9/19/2014	9/26/2014				
	Imported Repository: 9/30/2014 9:32:30 PM	494	1622	9/19/2014	9/30/2014				
	Imported Repository: 10/4/2014 9:03:02 PM	495	1624	9/29/2014	10/4/2014				
	Imported Repository: 10/28/2014 5:20:02 AM	250	1431	9/29/2014	10/28/2014				

Figure 2

Launch Dell iDRAC Inventory wizard.

From the **New** drop-down menu, Select **Dell iDRAC inventory** option.

Dell Repository	Manager Create Repository for Dell iDRAC	x
Name and Description	Provide a name and description (optional) for the new repository.	
Base Repository	Name:	
Connect to iDRAC		)
Summary	Description:	
		ļ
	Cancel < Back Next >	

Figure 3 Create Repository for Dell iDRAC Wizard.

Create iDRAC repository by any name.

Dell Repository	Manager Create Repository for Dell iDRAC	×
Name and Description Base Repository	Provide a name and description (optional) for the new repository. Name:	
Connect to iDRAC	iDrac Repository	
Summary	Description:	
	Cancel < Back Next >	

Déa

Figure 4

Create Repository for Dell IDRAC Wizard.

ame and Description	Choose the repository that you would like to use as a base for your new repository.	
Base Repository	Dell Online Catalog	
connect to iDRAC	C Local Source Repository	
ummary	O My Custom Repositories	
	Archived Dell Online: 09/29/2014 13:18:01 Dell Online 03/04/2014 04:41:49 Archived Dell Online: 03/04/2014 04:41:49 Imported Repository: 4/16/2014 04:41:49 Imported Repository: 4/16/2014 11:48:23 AM Imported Repository: 4/16/2014 4:30:48 PM Archived Dell Online: 03/28/2014 14:04:35 Imported Repository: 5/21/2014 9:52:01 PM Imported Repository: 6/1/2014 11:04:03 PM Archived Dell Online: 04/24/2014 09:08:36 Imported Repository: 9/1/2014 4:19:09 AM Imported Repository: 9/1/2014 4:23:03 AM Imported Repository: 9/1/2014 4:25:07:33 AM Imported Repository: 9/2/2014 12:51:07 AM Archived Source: 08/26/2014 18:48:54 Archived Source: 08/26/2014 18:48:54 -1 Archived Source: 08/26/2014 18:48:54 -2 Imported Repository: 9/9/2014 9:17:11 PM OMF_Repository	Ξ

Figure 5 Create Repository for Dell IDRAC Wizard.

Select **Dell Online Catalog**, and then click **Next**.

Dell Reposit	tory Manager Create Repository for Dell iDRAC	×
Name and Description Base Repository Connect to iDRAC Summary	Provide the host details to access Dell iDRAC         iDRAC IP Address:       Enter address of Server         Use different user credentials(Please check if other than default credentials used)         User Name:         Password:	)
	Reset       Connect         System       Model         Connected Host:       New repository will contain:         © Latest updates for all devices	
Figure 6	© Latest updates for only out-of-date devices Cancel   < Back Next 3 Create Repository for Dell IDRAC Wizard.	•

Provide iDRAC IP and Credential details.

Dell Repository	Manager Create Repository for Dell iDRAC	×
Name and Description Base Repository	Provide the host details to access Dell iDRAC iDRAC IP Address: 10.94.171.214	
Connect to iDRAC Summary	Use different user credentials(Please check if other than default credentials used) User Name: Password:	
	Reset     Connect       System     Model	
	, Connected Host: New repository will contain: Latest updates for all devices Latest updates for only out-of-date devices	
	Cancel   < Back Next >	

Figure 7 Create Repository for Dell IDRAC Wizard.

After IP and Credentials of iDRAC provided, click **Connect**.

The following are the default Dell iDRAC credentials,

Username: root

Password: calvin

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Dell iDRAC Inventory wizard appears once the connection established successfully.

Dell Repository Manager Dell iDRAC Inventory	x
Please wait while getting inventory	
	Cancel

Figure 8 Dell IDRAC Inventory Wizard.



Dell Repository M	anager Create Repository for Dell iDRAC	×
Name and Description V Base Repository V	Provide the host details to access Dell iDRAC iDRAC IP Address: 10.94,171,214	
Connect to iDRAC Summary	User Name: Password:	
	Reset     Cor       System     Model       T630ST1     PowerEdge T630	inect
	Connected Host: 10.94.171.214 New repository will contain: © Latest updates for all devices	
	Cancel   Kack	Next >

Déi

Figure 9 Create Repository for Dell IDRAC Wizard.

Discovered machines are listed in the System section.

Dell Reposite	ory Manager Create Repository for Dell iDRAC	x
Name and Description Base Repository Connect to iDRAC Summary	<ul> <li>Provide the host details to access Dell iDRAC</li> <li>iDRAC IP Address: 10.94.171.214</li> <li>Use different user credentials(Please check if other than default credentials used)</li> <li>User Name:</li> <li>Password:</li> </ul>	
	Reset     Connect       System     Model       T630ST1     PowerEdge T630	
	Connected Host: 10.94.171.214 New repository will contain: Latest updates for all devices Latest updates for only out-of-date devices	
5. 40	Cancel   < Back Next >	

Click Next.

Dell Reposito	ry Manager Create Repository for Dell iDRAC	×
Name and Description		
	++ Name & Description:	
Base Repository	++	
Connect to iDRAC	Name: iDrac Repository Description: n/a	=
Summary	*************	
	++ Source Repository:	
	++ Path: ftp.dell.com/catalog/catalog.cab	
	++ System Inventory:	
	Repository Creation Options Choose the type of bundles/components that you would like to add in the repository.	
	Windows x32 Bundles and Components	
	Windows x64 Bundles and Components	
	Linux Bundles and Components	
	Cancel < Back Finish	
Figure 11 C	reate Repository for Dell IDRAC Wizard.	

Click Finish.

DELL	Dell Repository Manager	Comparing updates	x
Please w Processi	vait while comparing updates ng update (1/25)		
		Cance	4
Figure	e 12 Comparing Upda	tes wizard.	
DELL	Dell Repository Manager	X New repository from inventory	
	Successfully created repository from	m inventory	
Reposi Total N Total N	tory : iDrac Repository New bundles added : 2 New components added : 16		
		Close	

Figure 13

New repository from inventory wizard.

Click **Close**.



Dell Repository Manager Data C	enter Vers	sion									- • ×
Application Source Repository Bundle Co	mponent	Jobs Help								4	New Local Source
🔒 My Repositories 🛛 🛅 iDrac Repositor	/ ×										
iDrac Repository									Save	1 Run a comparison	Properties
Bundles Components Inventory		and the Superior Last December								Selected/Total :	0/2
Tasks: + Add W Delete ++ Clone	l ∌e Cor	mpare Mexport Geropert	6 1 1							Total selected size:	0 Bytes
Filter Bundles by:	Bundles (	(filtered results):	Varian	05	Data	Size	Author	Concretion	Read		
Select a filter	_	Name	version	05	Date	Size	Author	Generation	Brand		
V Keyword Search		iDRAC bundle for PowerEdge T630	1.0	Linux	11/28/2014	262.67 MB	User	13G	PowerEdge		
		IDDAC hundle for DowerEdge TE20	10	Windows v22	11/20/2014	277.04 MP	User	120	DawasEdaa		_
> Reard		IDRAC bunule for Powercage 1650	1.0	windows x52	11/20/2014	277.04 P1D	User	136	PowerLuge		
> Supported Distingues											
> Supported Platforms											
> Operating System											
Release Date											
Manage Save Reset											
(											
Jobs Queue								Pe	ending for Cont	"irmation: 0 Queued: 0 Cor	mpleted: 40 🔥
											//

Figure 14 New Bundles created on iDRAC repository

iDRAC Repository created with supported bundles for the selected platforms .

	Source Repository Bundle Componer	nt Jobs	<u>H</u> eip						A New Loca
Rep • •	ositories 🖀 Open 🛛 🗃 Delete 🛛 🤻 Schedule I	Repository S	earch		Q View Local	I Source Catalog	Q View Dell Online Catalog	🐉 Search Dell Support Site	🐉 Schedule Automatic Sea
	Name	Bundles	Components	Created	Imported 🗸	Description			
	Imported Repository: 11/3/2014 8:23:50 AM	516	1774	10/31/2014	11/3/2014				
	Imported Repository: 10/28/2014 5:20:02 AM	250	1431	9/29/2014	10/28/2014				
	Imported Repository: 10/10/2014 1:40:11 AM	495	1612	9/29/2014	10/10/2014				
	Imported Repository: 10/4/2014 9:03:02 PM	495	1624	9/29/2014	10/4/2014				
	Imported Repository: 9/30/2014 9:32:30 PM	494	1622	9/19/2014	9/30/2014				
	Imported Repository: 9/26/2014 9:58:14 AM	494	1622	9/19/2014	9/26/2014				
	Imported Repository: 9/22/2014 5:33:13 AM	452	1547	9/19/2014	9/22/2014				
	Imported Repository: 9/9/2014 9:17:11 PM	479	1447	8/27/2014	9/9/2014				
	Archived Source: 08/26/2014 18:48:54 -2	84	549	8/26/2014	9/9/2014				
	Archived Source: 08/26/2014 18:48:54 -1	74	452	8/26/2014	9/9/2014				
	Archived Source: 08/26/2014 18:48:54	158	729	8/26/2014	9/9/2014				
	Imported Repository: 9/2/2014 12:51:07 AM	158	686	6/19/2014	9/2/2014				
	Imported Repository: 9/1/2014 5:07:33 AM	480	1448	8/27/2014	9/1/2014				
	Imported Repository: 9/1/2014 4:23:03 AM	1	1080	8/25/2014	9/1/2014				
	Imported Repository: 9/1/2014 4:19:09 AM	0	1034	6/24/2014	9/1/2014				
	Imported Repository: 6/1/2014 11:04:03 PM	464	1436	5/29/2014	6/1/2014				
	Archived Dell Online: 04/24/2014 09:08:36	455	1434	4/24/2014	5/30/2014				
	Imported Repository: 5/21/2014 9:52:01 PM	455	1432	4/24/2014	5/21/2014				
	Archived Dell Online: 03/28/2014 14:04:35	452	1351	3/28/2014	4/17/2014				
	Imported Repository: 4/16/2014 4:30:48 PM	449	1229	3/4/2014	4/16/2014				
	Imported Repository: 4/16/2014 11:48:23 AM	451	1191	3/28/2014	4/16/2014				
	Imported Repository: 4/10/2014 2:41:51 PM	452	1346	3/28/2014	4/10/2014				
	Archived Dell Online: 03/04/2014 04:41:49	449	1234	3/4/2014	4/10/2014				
	Dell Online 03/04/2014 04:41:49	449	1229	3/4/2014	4/10/2014				
	OME_Repository	12	65	9/17/2014					
	iDrac Repository	2	16	11/28/2014					

Figure 15

DRM My Repositories wizard.

Select **iDRAC Repository**, and then select **Schedule Repository Search** option in Action pane.

Actions	PowerEdge T630	This curre	earch will locate updates that are newer than what is tly in the selected repository. New updates will be placed
Schedule	-	in the	existing repository (unless other location is set). Option ive an e-mail when new undates have been identified
Schedule	_	toret	ive an e-mail when new updates have been dentmed.
Email			
	_ Include the following types	of undate files in the search i	si ilts
	Include the following types Update Type	of update files in the search r Criticality	sults ————————————————————————————————————
	Include the following types Update Type V Application	of update files in the search r Criticality	operating System
	Include the following types Update Type Application BIOS	of update files in the search r Criticality Optional Recommended	Sults Operating System Vindows 32-bit Windows 64-bit
	- Include the following types Update Type V Application BIOS Driver	of update files in the search r Criticality	Operating System  Vindows 32-bit  Windows 64-bit  Linux (32-bit & 64-bit)
	Include the following types     Update Type     ✓ Application     ✓ BIOS     ✓ Driver     ✓ Firmware	of update files in the search i Criticality Optional Recommended Urgent	Operating System  Vindows 32-bit  Windows 64-bit  Linux (32-bit & 64-bit)
	Include the following types Update Type  Application  BIOS  Driver  Firmware  Utilities	of update files in the search i Criticality Optional Recommended Urgent	Operating System  Vindows 32-bit  Windows 64-bit  Linux (32-bit & 64-bit)
	<ul> <li>Include the following types</li> <li>Update Type</li> <li>Application</li> <li>BIOS</li> <li>Driver</li> <li>Firmware</li> <li>Utilities</li> </ul>	of update files in the search i Criticality Optional Recommended Urgent	Operating System  Vindows 32-bit  Windows 64-bit  Linux (32-bit & 64-bit)
	<ul> <li>Include the following types</li> <li>Update Type</li> <li>Application</li> <li>BIOS</li> <li>Driver</li> <li>Firmware</li> <li>Utilities</li> </ul>	of update files in the search i Criticality Optional Recommended Urgent	Operating System  Vindows 32-bit  Windows 64-bit  Linux (32-bit & 64-bit)



Dell Repository M	Manager Schedule Repository Search	x
Search	Indicate the action(s) to be performed once the updates are retrieved. Repository Name: iDrac Repository	
Schedule	Save updates to a local repository	
Email	Browse	
	Replace old files with new files in all bundles (DUP Only)	
	Cancel Previous Next	

Figure 17 Schedule Repository Search Wizard.



Dell Repository	Manager Schedule Repository Search
Search Actions Schedule Email	Indicate the action(s) to be performed once the updates are retrieved.  Repository Name: OME Repository Save updates to a local repository Save Local Repository options Browse Browse
	Replace old files with new files in all bundles (DUP Only)
	Cancel Previous Next
Figure 18	Schedule Repository Search Wizard.

Dell Repository M	lanager Schedule Repository Search	x
Search Actions Schedule Email	Set the Frequency to check for new updates         Indicate the frequency on which updates will be checked.         Start:       11/29/2014         12:14:50 AM         Settings         One Time         Daily         Weekly every:         Monthly on this day:         Image: Security Options         Run only when user is logged on         Run whether user is logged on         Run whether user is logged on         Note: Recommended to run the computer on AC power when the task starts.	
	Cancel Previous Next	
Figure 19	Schedule Repository Search Wizard.	

Dell Repository N	Aanager Schedule Repository Search	x
Search	Note : Configure and test your Email settings to get notification on the status of scheduled search.	
Actions		7
Schedule	Default Email Address : Not Configured	
Email	Email Type : Microsoft Exchange Server	
	Server : Not compared	
	Configure Email Settings	
	Notify Additional Email Accounts	٦ T
	Recipient's Email ID Recipient's Mail Address Remove <<	
	Cancel Previous	Finish
Figure 20	Schedule Repository Search Wizard.	

Click Finish.

) SMTP (	Microsoft Exchar	nge 🕕	email notification for new updates.
onfiguratio Sender Dei	n Fields tails		SMTP Options
Use And	Sender's Email Address	0	SMTP Server SmTP Server Address
Jser Name	User Name		Port Number 25
assword			Proxy Server Proxy Address 80
Domain	Domain	0	🔲 Bypass Proxy 👔 📄 Use SSL 👔
			Send Test Email

Xel

Figure 21 Email settings wizard.

Use SMTP server IP and credential details to configure SMTP.

) SMTP 🤇	Microsoft Exchange	0	email notification for new updates.
onfiguration Sender Det	ails		MS Exchange Options
Use Defa	ult Credentials 👔 🕕		Autodiscover URL 👔
mail ID	Sender's Email Address		MS Exchange URL MS Exchange Server URL
Jser Name	User Name		
			MS Exchange Version Exchange2007_SP1
assword			
Domain	Domain	•	Check Availability
			Send Test Email

Figure 22 Email settings wizard.

Use Microsoft Exchange server IP and credential details to configure Microsoft Exchange.



Deel	II Repository Manager Task	Creation
	This task will run an executable file. Do you want to create this task?	
		Yes No

Figure 23

Task Creation Wizard.

Click Yes.



Figure 24 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 : <u>http://www.dell.com/support/home/us/en/19/Products/software/ent\_sys\_mgmt/ent\_sys\_mgmt\_r</u> <u>epository\_mngr</u>
- User Guide
   <u>http://www.dell.com/support/home/us/en/19/Products/software/ent\_sys\_mgmt/ent\_sys\_mgmt\_r</u>
   <u>epository\_mngr</u>
- Reference Guide: <u>http://www.dell.com/support/home/us/en/19/Products/software/ent\_sys\_mgmt/ent\_sys\_mgmt\_r</u> <u>epository\_mngr</u>
- Dell Repository Manager: Tech center: <u>http://en.community.dell.com/techcenter/systems-management/w/wiki/1767.dell-repository-manager</u>
- Dell Repository Manager: Whitepapers
   <u>http://en.community.dell.com/techcenter/systems-management/w/wiki/5103.dell-repository-manager-white-papers</u>

