

DELL 1.4 Version OpenManage Enterprise Update Manager Owner’s Manual

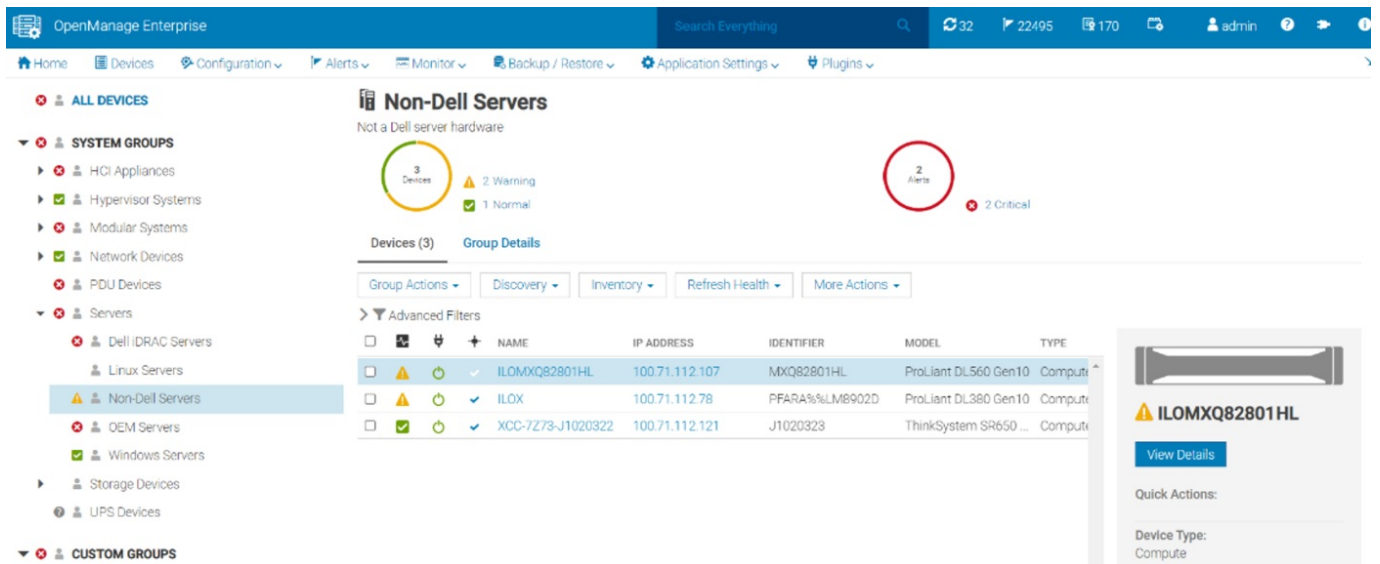
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DELL1.4 Version OpenManage Enterprise Update Manager



Dell OpenManage Enterprise Update Manager

Dell OpenManage Enterprise Update Manager is an integrated solution for OpenManage Enterprise that allows IT Administrators to create and manage repositories for PowerEdge devices that are managed in OpenManage Enterprise which runs iDRAC or a Windows operating system. The Update Manager can update the systems with the latest firmware and software.

New Features

The following features are introduced with OpenManage Enterprise Update Manager 1.4:

Functional Area	Feature Description	Summary of Benefits
OpenManage Enterprise Support	Support for OpenManage Update Manager plug-in v1.4 is supported with OpenManage Enterprise v3.10	Enables IT Administrators to use the latest version of the OpenManage Update Manager plug-in with OpenManage Enterprise.
Backup and Restore, VM to VM migration	Update Manager plug-in supports for Backup, restore, and VM to VM migration feature	Provides an integrated solution to backup, restore, and migrate virtual machines.
IOM support	Update Manager plug-in supports the IOM devices for repositories and baselines	Enables IT Administrators to use IOM devices for repositories and baselines.

Resolved Issues

The following issues are resolved:

Issue ID	Functional Area	Description
Not Applicable	Compliance View	View Report Page to go back to Update Manager Repository page.
Not Applicable	Repository version	Version to indicate if the repository is from the Enterprise or Solution catalog.
Not Applicable	Catalog View	The OpenManage Enterprise Catalog Management page does not display Update Manager plug-in created catalogs.
Not Applicable	Repository Refresh	Rest API support for schedule Refresh.
Not Applicable	Repository Refresh	Refreshed Repository version gets incremented on every refresh the operation, without any changes in the catalog or SCOPE.
Not Applicable	Sign Verification	New ESXi GPG key support for ESXi catalogs.
Not Applicable	Upgrade	Upgrade operation is successful when the data center is in maintenance mode.
Not Applicable	Repository View	The repository view page shows the correct number of firmware components in the repository.

Product Usage Instructions

To update the systems with the latest firmware and software using Update Manager, follow these steps:

1. Ensure that the repositories are up-to-date.
2. Enable manual or automatic updates of the catalog present in the repositories.
3. Customize a repository by importing or deleting update packages.
4. Enable the option to view the baseline compliance report of the repository that is used to update the firmware of the components in the repository.

For more information about the user documentation, see the OpenManage Enterprise Update Manager product support page.

Dell OpenManage Enterprise Update Manager version 1.4 Release Notes

This document aims at the new features, changed features, resolved issues, known issues, and limitations in Dell OpenManage Enterprise Update Manager.

Current Release Version: 1.4

Release Type: Minor (MI)

Revision history

This section provides a description of document changes.

Table 1. Document Revision history

Document Revision	Date	Description of changes
A00	Jan 2023	Initial draft

Product Description

- This section aims at the summary of the Dell Update Manager plugin (UMP).
- Dell Update Manager plugin (UMP) is an integrated solution for OpenManage Enterprise that allows IT Administrators to create and manage repositories for PowerEdge devices that are managed in OpenManage Enterprise which run iDRAC or a Windows operating system.
- A repository consists of system bundles and their associated Dell Update Packages (DUP). A system bundle is a software collection that can be grouped to arrange the related updates that are applicable to same target platform and have the same format. A DUP is a self-contained executable file in a standard package format that updates a specific software element on Dell server or storage such as the BIOS, a device driver, firmware, and other similar software updates. These bundles and repositories allow the deployment of multiple firmware updates simultaneously. The Update Manager plug-in(UMP) supports DUPs in .exe format.
- To update the systems with the latest firmware and software using Update Manager, do the following:
- Ensure that the repositories are up-to-date.
- Enable manual or automatic updates of the catalog present in the repositories.
- Customize a repository by importing or deleting update packages.
- Enable the option to view the baseline compliance report of the repository that is used to update the firmware of the components in the repository.
- For more information about the user documentation, see the OpenManage Enterprise Update Manager product support page <https://www.dell.com/support>.

New features

- This section describes the features and enhancements that are introduced with OpenManage Enterprise Update Manager 1.4.

Table 2. New features in OpenManage Enterprise Update Manager 1.4

Functional area	Feature description	Summary of benefits
OpenManage Enterprise Support	Support for OpenManage Enterprise v3.10	Update Manager plug-in v1.4 is supported with OpenManage Enterprise v3.10
Backup and Restore, VM to VM migration	Update Manager is aligned with OpenManage Enterprise for Backup and Restore, and VM to VM migration feature	Update Manager plug-in supports for Backup, restore, and VM to VM migration feature
IOM support	Repositories and baselines with IOM devices support	Update Manager plug-in supports the IOM devices for repositories and baselines

For more information about the user documentation, see the OpenManage Enterprise Update Manager product support page <https://www.dell.com/support>.

Resolved issues

This section describes the issues that are resolved.

Table 3. Resolved issues

Issue ID	Functional area	Description
Not Applicable	Compliance View	View Report Page to go back to Update Manager Repository page.
Not Applicable	Repository version	Version to indicate if repository is from the Enterprise or Solution catalog.
Not Applicable	Catalog View	OpenManage Enterprise Catalog Management page does not display Update Manager plug-in created catalogs.
Not Applicable	Repository Refresh	Rest API support for schedule Refresh.
Not Applicable	Repository Refresh	Refreshed Repository version gets incremented on every refresh operation, without any changes in catalog or SCOPE.
Not Applicable	Sign Verification	New ESXi GPG key support for ESXi catalogs .
Not Applicable	Upgrade	Update Manager upgrade fails due to orphaned entries in the Data base.
Not	Repository View	Repository View page does not show existing repositories in a proxy

Known issues

This section comprises the known issues and the relevant workaround or resolutions.

Table 4. Known issues in OpenManage Enterprise Update Manager v1.4

Issue ID	Functional area	Description	Workaround or Resolution
Not Applicable	Installation	When you download or install the Update Manager files, the following error message may be displayed: Could not complete request because of the following error(s): CGEN6038 - Unable to complete the action because the value entered for Id is invalid.	Ignore the issue and complete downloading or installing Update Manager.
Not Applicable	Installation	In OpenManage Enterprise, under Update Settings , the Automatic updates option is not supported for downloading the plug-in.	Use the manual option for downloading plug-in artifacts.
Not Applicable	Installation	The appliance may become unresponsive if the base catalog fails to download during repository creation.	The base catalog has failed to download due to network latency or any other issue. Refresh the browser to reload OpenManage Enterprise again.
Not Applicable	Repository creation	Download or DUPs fail when the MX catalog 20.07.00 version is selected during repository creation	Use the latest version of MX catalog and create the repository again.
Not Applicable	Repository creation	If a repository is created with older ESXi catalogs versions (19.05.30, 19.04.00, 19.01.18, 18.12.00, 18.07.27, 18.07.01, 18.01.26, 17.11.0), the following issues may occur: <ul style="list-style-type: none"> FX2/ FX2s bundles are not added to a repository. The DUP size for few of the device components does not get updated as per the actual size post refresh task. 	Recommends using the latest version of ESXi catalog to create the repository.
182696, 184708	Repository creation	When using an older version of the catalog (from any sources index or network share) during repository creation and then using a latest catalog version is available for repository creation or repository refresh, then following may not be displayed correctly for some components because of limitation in older catalogs: <ul style="list-style-type: none"> Discrepancy in device component's details Package size of the components Modified date for DUP in another catalog other parameters 	Recommends to create new repositories with latest available version of online catalogs.
Not Applicable	Deprecated DUP components	The new version of generated catalog after the import, or delete operation in the Update Manager, contains the details of deprecated Dell update package(DUP) components if an older version of base catalog is used during repository creation containing deprecated DUPs.	Delete the deprecated components of DUP from the repository.
Not Applicable	Deprecated DUP components	The download of deprecated DUPs for the repository created with an SUU catalog from network share fails, if any created repository before from online catalog refers to deprecated DUPs and download had failed.	Delete all older versions of repository containing the deprecated DUPs, so that there is no reference of the same DUPs in any version.
223239	Limitation to Chassis	The Chassis components fail to show in compliance report for any updates if the sign files for those are not available on the Dell support site.	Download the chassis DUP manually to an offline share and use that share to create

Issue ID	Functional area	Description	Workaround or Resolution
			a baseline and then update the chassis.
Not Applicable	Refresh repository	If a repository is created using a base catalog from a network share, and if the new catalog does not have the same name with a higher version as the base catalog the refresh operation is unsuccessful.	For catalogs from offline network share, ensure that the new version of catalog has the same filename as the older version and a higher version number.
Not Applicable	Refresh repository	The alert and audit logs do not provide enough information for an unsuccessful repository refresh job that is caused by insufficient storage	View information about the cause of failure from the Audit and Alert logs .
Not Applicable	Refresh repository	Catalogs that are created in Update Manager cannot be updated using the Check for update button on the Catalog Management page.	Update the catalogs that are generated in Update Manager using the Refresh option.
Not Applicable	Baselines	If you have created a repository without creating a baseline and then perform a refresh repository activity, the manually created baselines are deleted.	Create a repository by selecting the Create Baseline option in the Create Repository wizard.
Not Applicable	Baselines	Baselines that are created with device manager privileges in UMP v1.0 are not visible after upgrading to UMP version 1.1 and above.	To view the baselines, perform either the refresh, import, or delete operation on the repository that contains the baseline.
Not Applicable	View repository	Few Dell driver components such as chipset, video driver may not get listed in repository created for the discovered Dell PowerEdge servers or 12th generation.	Install the Dell drivers manually and then rediscover or rerun the inventory operation in Dell OpenManage Enterprise console. You can now update or create a repository.
Not Applicable	View repository	If an Advanced Filters is applied on the Repository view page with repositories in collapsed view, then Delete tab remains enabled even if there are no items applicable to the Filter. On clicking the tab, the Delete window does not list any repository.	Expand the repositories before using delete operation with Advanced filters .
Not Applicable	View repository	Scoped DM users cannot view the Update Manager generated alerts for refresh, and storage space exceeded.	View information about refresh and storage exceeds from the Audit logs.
Not Applicable	Import of DUPs	Import of any Dell Update Packages(DUP) having dependency may fail if the dependency is not already present in the repository.	Ensure that one or more bundles contain the dependency and then retry the import operation or import the dependency DUP prior to importing the dependent DUP.
Not Applicable	Import of DUPs	Import of any Dell Update Packages(DUP) having dependency may fail if the dependency is not already present in the repository.	Ensure that one or more bundles contain the dependency and then retry the import operation or import the dependency DUP prior to importing the dependent DUP.
Not Applicable	Import of DUPs	The import of iDRAC9 DUP v 5.00 or above to a bundle for latest PowerEdge 15G platforms fails, if the import is performed after deleting iDRAC and the repository does not contain the dependency of older iDRAC DUPs such as iDRAC v 3.30 or above.	Refreshing repository when a new catalog is available, adds iDRAC component to the repository.
Not Applicable	REST API	The REST API call to get list of supported devices from base catalog returns an empty list with count 0 when the input catalog does not support any of the discovered devices or the total number of discovered devices is more than the maximum supported count in Update Manager.	Ensure that the input base catalog supports the managed devices and total number is within the maximum supported range.
Not Applicable	Upgrade	If the Dell OpenManage Enterprise (OME) is upgraded from version 3.8 and above, then the Update Manager plug-in (UMP) version 1.1 that is installed from	Recommends disabling the installed UMP version and use the current available version of UMP.

Limitations

Table 5. Limitations in OpenManage Enterprise Update Manager v1.4

Functional area	Limitations
Network Settings	OpenManage Enterprise and UMP supports IPv4-only and hybrid IPv4/IPv6 network environments. The IPv6-only network environment is not supported.
Chassis update	The update on MX7000 chassis systems with UMP created repository baseline, are supported only when the chassis are installed with firmware version 1.40 and above.
Repository properties view	The catalog versions are not displayed in the Overview and Repository page for repositories that are created using an SUU catalog.
UMP Alerts	The source name is displayed as N/A for Update Manager generated alerts.
Jobs View	Same time is displayed for the Last Run Date/Time and Next Run Date/Time fields on the job details section for the scheduled refresh and download jobs.
Audit logs	Audit logs are not generated if the update manager-specific jobs are interrupted.
HTTP share	Only the default port number (80) is supported for HTTP shares with IPv6 address.
Refresh repository	15 Refresh jobs can run in parallel. It is recommended to schedule less than 15 jobs to run exactly at same time.
Edit and Import repository	Editing a repository from REST API is allowed when DUP upload is still in-progress for import operation on that repository, but this does not have any unexpected impact on the import or the repository.
Create repository	For Chipset_Driver_73_TJK_WN64, reboot required field shows different values: <ul style="list-style-type: none"> • false for repositories generated with older version of base catalogs from Index catalog • true for repositories generated with new versions of base catalog from Index catalog

Environment and System Requirements

- For the complete list about supported devices, protocols, hardware, and web browsers, see Dell OpenManage Enterprise Update Manager Plugin User's Guide available at
- <https://www.dell.com/support>.

Installation and upgrade considerations

- Installation instructions
- For more information on installation, see the Update Manager version 1.4 User's guide on the dell support site .
Installation of Update Manager plugin on OpenManage
- Enterprise restarts the appliance services.
- For more information about installing Update Manager, see Dell OpenManage Enterprise Update Manager User's guide at dell.com/support.

Upgrade instructions

Upgrade to Update Manager Plugin version 1.4

- Ensure that the Update Settings are configured, see Dell OpenManage Enterprise Update Manager User's guide.
- **NOTE:** Automatic update is not supported for detecting Update Manager.
- Ensure that the Update Manager version, you want to upgrade, is compatible with the OpenManage Enterprise version as mentioned in the following table:

Table 6. Compatibility matrix of Update Manager and OpenManage Enterprise

Update Manager Version	OpenManage Enterprise Version
Update Manager Version 1.0	OpenManage Enterprise Version 3.5
Update Manager Version 1.1	<ul style="list-style-type: none"> ○ OpenManage Enterprise Version 3.6 ○ OpenManage Enterprise Version 3.7
Update Manager Version 1.2	OpenManage Enterprise Version 3.8
Update Manager Version 1.3	OpenManage Enterprise Version 3.9
Update Manager Version 1.4	OpenManage Enterprise Version 3.10

- Clear the browser cache and cookies before starting the upgrade process.
- Perform the following steps to update the Update Manager plug-in from the previous version to the latest version:
 1. In the Plugin section, click Update Available for the Update Management.
 - The Install and Update multiple plugins wizard is displayed.
 2. Select Update Manager in the Select Plugin section, and click Next.
 - Note the update progress in the Download section, and click Next on completion.
 - **NOTE:** The download continues if you leave the wizard.
 3. To confirm the upgrade, select I agree that I have captured a backup of the OpenManage Enterprise appliance prior to performing a plugin action option, and then click Finish.
- The appliance restarts after the plug-in is updated.
- **NOTE:** All the repositories and its associated content created using Update Manager version 1.0 are still available for use.
- **NOTE:** When you upgrade to latest version of Update Manager/OpenManage Enterprise, from Update Manager v1.2 or below/OpenManage Enterprise v3.8 or below, the repository must be refreshed to use the latest catalog if the created repositories have PowerEdge servers supported with Windows server 2019 or above. Modifications are done in OpenManage Enterprise v3.9 onwards, to accommodate the new Microsoft

build number system used in Windows Server 2019 or above.

- **NOTE:** Update Manager version 1.1 and above supports SBAC functionality. Users with device manager privileges can view or edit repositories that are defined in the User Scope, during the creation of the device manager user. For more information about SBAC functionality, see DellOpenManage Enterprise Version 3.9 User's Guide.
- **NOTE:** Only users with administrator privileges can see the repositories created by Active Directory (AD) and Lightweight Directory Access Protocol (LDAP) users.


Where to get help

- Dell Technologies maintains support pages for all products at www.dell.com/support.
- The product support pages provide important information about the products. This information includes product and user documentation, knowledge base articles, drivers and other software installation package downloads, advisories, knowledge base articles, and more.
- A valid support contract and registration may be required to access all the information available on the product support sites.

Notes, cautions, and warnings

- **NOTE** indicates important information that helps you make better use of your product.
- **CAUTION** indicates either potential damage to hardware or loss of data and tells you how to avoid the problem.
- **WARNING** indicates a potential for property damage, personal injury, or death.
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Documents / Resources

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