

Dell Management Plug-In
for VMware vCenter
Version 1.0.1 Update 1
Release Notes



This file contains updated information for your *Dell Management Plug-in for VMware vCenter* and any other technical documentation included with Dell Management Plug-in for VMware vCenter software.

NOTE: Dell Management Plug-in for VMware vCenter, including Server Administrator, is available from www.dell.com/vcenterplugin.

The Dell Management Plug-in for VMware vCenter documentation includes:

- *Dell Management Plug-in for VMware vCenter Version 1.0.1 Quick Install*
- *Dell Management Plug-in for VMware vCenter Version 1.0.1 User's Guide*
- Context-sensitive help pages display by the user interface
- This Release Note file

BIOS/iDRAC Co-requirement for Lifecycle Controllers

The following BIOS, iDRAC, and Lifecycle Controller versions are required to enable Management Plug-In features. These versions must match in order for the Management Plug-In to function properly.

Note: We recommend that you use SUU, Repository Manager, or using Lifecycle Controller's Platform update functionality to update your servers to one of these baselines before using The Dell Management Plug-in for VMware vCenter. Upgrade these in the order listed below..

Table 1 – Lifecycle Controller Version 1.4

Product	Version Number/Release Date
BIOS version	Release date 10/11/2010 or later
iDRAC version	3.02 for Modular, 1.54 for Rack or Tower
Lifecycle Controller	1.4.0.586

Table 2 – Lifecycle Controller Version 1.5

Version	Version Number/Release Date
Lifecycle Controller	1.5.0.671
BIOS version	Release date 3/21/2011 or later
iDRAC version	3.20 for Modular, 1.70 for Rack or Tower
Lifecycle Controller	1.5.0.671

Hardware and Software Requirements

The following support matrix tables detail the VMware version and Management Plug-In functional support for 9th, 10th, and 11th generation Dell servers.

- OpenManage 6.2 agent or greater - SNMP alerts, Hardware Inventory, Blink Server LED, View/Clear SEL logs
- Lifecycle Controller 1.4 - BIOS/Firmware Updates, Bare metal Deployment, Hardware Configuration, Change Configuration Settings
- iDRAC Express/Enterprise - Power On a Server, Link and Launch iDRAC

9TH GENERATION SERVERS

Table 1 - VMware Version Support

MODEL	VMWARE VERSION(S)
PE1950 I/II	ESX Classic
PE1950 III	ESX Classic, ESXi Embedded
PE1955	ESX Classic
PE2900 I/II	ESX Classic
PE2900 III	ESX Classic, ESXi Embedded
PE2950 I/II	ESX Classic
PE2950 III	ESX Classic, ESXi Embedded
PE2970	ESX Classic, ESXi Embedded
PE6950	ESX Classic

Table 2 - Feature Support

MODEL	FEATURE(S)
All supported 9 th generation servers	SNMP alerts, Hardware Inventory, Power on server, Blink Server LED, View/Clear SEL logs, Link and Launch iDRAC, Warranty Info

10TH GENERATION SERVERS

Table 3 - VMware Version Support

MODEL	VMWARE VERSION(S)
T100, T105, R200, T300, R300, M600	ESX Classic
M605, T605, M805, R805, R900, R905, M905	ESX Classic, ESXi Embedded

Table 4 - Feature Support

MODEL	FEATURE(S)
T100, T105	SNMP alerts, Hardware Inventory, Power on server, Blink Server LED, View/Clear SEL logs, Warranty Info
R200, T300, R300, M600, M605, T605, M805, R805, R900, M905	SNMP alerts, Hardware Inventory, Power on server, Blink Server LED, View/Clear SEL logs, Link and Launch iDRAC, Warranty Info

11th GENERATION SERVERS

Table 5 - VMware Version Support

MODEL	VMWARE VERSION(S)
T110, R210, T310, R310, T410	ESX Classic
R210 II, R410, R415, R510, R515, T610, R610, M1000e, M610, T710, R710, M710, M710D, R810, R910, M910, M915, R715, R815	ESX Classic, ESXi Embedded
C1100, C2100, C6100	ESXi Embedded

Table 6 - Feature Support

MODEL	FEATURE(S)
T110	SNMP alerts, Hardware Inventory, Blink Server LED, View/Clear SEL logs, Warranty Info
C1100, C2100, C6100	SNMP alerts (IPMI)
R210, R210II, T310, R310, T410, R410, R415, R510, R515, T610, R610, M1000e, M610, T710, R710, M710, M710HD, R810 R910, M910, M915, R715, R815	SNMP alerts, BIOS/Firmware Updates, Hardware Inventory, Power on server, Bare Metal Deployment, Hardware Config, Blink Server LED, View/Clear SEL logs, Link and Launch iDRAC, Change Configuration Settings, Warranty Info

User Notes

- For customers upgrading to version 1.0.1 Update 1, after applying the update, the “Licenses in Use” field in Administrator Portal and Management UI shows “0.” You must run an Inventory job to show the correct number of licenses in use.
- Time stamps are converted to the user’s local time zone and the Dell Management Plug-in displays Coordinated Universal Time (UTC) time offsets.
- If you run a security scanner tool (such as Nessus) against the Server Administrator Web server, certain security warnings against port 1311 running the Server Administrator Web server may be displayed. These warnings have been investigated by Dell engineering and are determined to be *false positives*.
- If the proxy settings are provided in the configuration, then the proxy settings are used to access the Repository URL provided in the Admin Portal. However, if the URL to the Update Repository is an internal URL, then disable the proxy setting. If you do not disable the internal proxy setting, then the appliance attempts to connect to the URL with the proxy.
- A hardware profile created using a reference server with a certain BIOS version could cause deployment to fail. Some BIOS versions do not give accurate information for certain BIOS settings, such as the Embedded NIC1 and NIC2 settings. When a server with BIOS version is used as a reference server in a hardware profile, the fields are ignored both by the UI and by deployment. A problem could arise, however, if the settings in question are required to have a certain value for deployment to complete successfully.

The solution to this issue is to use a server with an up to date BIOS as a reference server for a hardware profile.

Note: Servers being used for deployment should also have an updated BIOS. If deployment tries to apply settings to a server with a problematic BIOS, deployment fails. Currently the BIOS version is not checked for compliance, but it is displayed on the server compliance page. Warnings are displayed on the hardware profile reference server and BIOS settings pages, as well as when they select a deployment template with an affected hardware profile during deployment.

To resolve this issue, use one of the following BIOS versions:

R710, T610, R610, M610/ M710/ M610x, T710:	6.0.7
M710HD:	4.0.2

Open Issues and Resolutions

The following section lists the open issues and resolutions with the Dell Management Plug-In for VMware vCenter 1.0.1.

Issue 1: Event filter settings are lost when migrating from 1.0 to 1.0.1.

Description: Event filter settings are lost when migrating from 1.0 to 1.0.1.

Resolution: Event filter settings are lost when migrating from 1.0 to 1.0.1.

Version Affected: 1.0.1, 1.0.1 Update 1

Issue 2: WinRM command AssignSpare returns *GeneralFailure*.

Description: The WinRM command AssignSpare returns an output of *General Failure* in Lifecycle Controller Remote Service 1.4.

Resolution: None.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 3: 9th and 10th generation servers' firmware versions

Description: For 9th and 10th generation servers, BIOS/BMC/DRAC firmware versions are viewable only at the Cluster View level in vCenter or on the Overview page of the individual host view. Firmware version information is not active in the individual host view under Firmware, and that page appears grayed out.

Resolution: None.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 4: Storage information on the Dell Tab only calls out global hot spares.

Description: Dedicated hot spares are not supported or represented in the user interface.

Resolution: Launch OMSA to view dedicated hot spares.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 5: Reference ISO path should not be truncated.

Description: If an ISO path is too long, it may be truncated in the user interface.

Resolution: If you edit the ISO path, then you can view the entire path.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 6: Details for tasks are not recorded in the task history.

Description: Details for tasks are not recorded in the task history.

Resolution: Go to the Dell Management Center Plug-in logs to view the details.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 7: Deleting Deployment/Hardware/Hypervisor profile of active job causes failure.

Description: If you delete one of these profile types, while it is in use, you may cause an active job to fail.

Resolution: Let the job complete before removing one of these profiles.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 8: *Run now on job queue* should be enabled after completing the Configuration Wizard.

Description: If the inventory scheduled is disabled, then you may not be able to click **Run Now**.

Resolution: Use the **Change Schedule** button and enable a schedule.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 9: When using the user interface and pressing <Enter> while on a highlighted button does always activate the action.

Description: Using keyboard navigation and selecting highlighted buttons and pressing <Enter> sometimes does not activate the button. Keyboard navigation is not supported at this time.

Resolution: Use the mouse.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 10: When enabling inventory the ***Task does not exist*** message displays.

Description: If you do not close and reopen the vSphere client after registering/unregistering the Dell Management Plug-in, the message ***Task does not exist*** displays.

Resolution: When you unregister/re-register the vSphere plug-in, you must close the vSphere client and start it again.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 11: The Plug-In information on vCenter does not include vendor or description.

Description: If you view the Plug-in information on vCenter, the vendor (Dell) and description information is not displayed.

Resolution: None

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 12: The Inventory Schedule Edit screen comes up scrambled during first pass through.

Description: Under rare circumstances the UI may come up misaligned.

Resolution: Close and re-launch the UI.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 13: There is a text alignment issue on the Job Queue – Deployment Jobs screen.

Description: The text on the Job Queue – Deployment Jobs screen is misaligned.

Resolution: None.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 14: The ESXi install leaves behind a temporary file in the /store/resolv.conf (static IP only).

Description: The ESXi install leaves behind a file after installation.

Resolution: This file does not affect the customer.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 15: Dell Management Center EXE file shows *Unknown* for Publisher.

Description: When you right-click on the executable file, no publisher (vendor name) is displayed.

Resolution: None

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 16: Repository base update gives misleading information.

Description: When doing a repository base update, downgrades may appear with *criticality* as recommended or urgent.

Resolution: When doing upgrades from repository, always compare versions before attempting an upgrade.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 17: When doing a firmware update, the Dell Management Plug- does not resolve domain names on behalf of LC.

Description: On an update, if you specify a repository or staging location that uses a DNS name, the update fails if the host cannot resolve the name.

Resolution: Specify the IP address of the repository or staging location, instead of the DNS name.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 18: In the Deployment Wizard: the tooltip for Non-Compliant Servers shows a variable name.

Description: When you place your cursor over the Server Status for a non-compliant bare-metal server, the tooltip shows incorrect information.

Resolution: None

Version Affected: 1.0.1, 1.0.1 Update 1

Issue 19: Update failed when selecting LC and Diags update when doing a BIOS or firmware update.

Description: When using the **Firmware Update Wizard** and selecting the **Repository Update** method, if you select an LC firmware and DIAGs update when doing the BIOS or firmware updates, then the LC and DIAGs updates get applied immediately and all other updates fail. At this time you should see error messages similar to the following:

Initial Message: *File: <FileName .exe>, Status: Downloaded, Message: Package Successfully Downloaded.*

Timeout Message: *File: <FileName.exe>, Status: Failed, Message: The update task for file <FileName.exe> is taking too long in DOWNLOADED state; cancelling monitoring for iDRAC job-id <IDNumber>.*

Note: Timeout messages may not display because vCenter erases them from the recent tasks view; however, view the failure in the Task History view. Messages also are available in the appliance logs.

Resolution: If you experience this failure, to recover, run the WinRM command* to clear the job queue, and then rerun the BIOS or other firmware updates. To avoid this failure, always upgrade the BIOS or other firmware first, reboot the host and then upgrade the LC Lifecycle controller firmware or DIAGs (without a need to reboot the server). Alternately, before doing firmware update, you can upgrade Dell Management Plug-in to version 1.0.1, and then do the firmware update without any restriction.

About the WinRM Command

Use the WinRM command to release the job queue and update your software. You must have WinRM installed or your server must be running Windows 2003/2008. This command uses the default root/calvin credentials. Change the credentials in the command if required: username: root, password: calvin.

***Running the WinRM command:**

Make a batch file, for example **DeleteJob.bat <iDRAC IP Address>**
JID_CLEARALL and save the file while pasting the following command in a Windows command prompt:

```
winrm invoke DeleteJobQueue  
cimv2/root/dcim/DCIM_JobService?CreationClassName=DCIM_JobService+Name=JobService+SystemName=Idrac+SystemCreationClassName=DCIM_ComputerSystem @{"JobID="%2" } -u:root -p:calvin -r:https://%1/wsman:443 -SkipCNCheck -SkipCACheck -auth:basic -encoding:utf-8
```

Version Affected: 1.0.1, 1.0.1 Update 1

Issue 20: Saving the alarm settings during a Restore Default Alarms causes UI to hang.

Description: It is possible to save the Events and Alarms settings while the Restore Default Alarms method is still running. Clicking **Restore Default Alarms** calls the method immediately, but does not block the UI - it just disables the **Restore Default Alarms** button. Saving while the call is still in progress may result in an error where the Save spinner does not close, locking the user out of the UI.

Resolution: To avoid this error completely, when clicking **Restore Default Alarms**, wait to do any other actions until the **Restore Default Alarms** button is re-enabled. This button is disabled while the call is in progress. Once the button is enabled again, you can safely save the page. If the spinner is not going away, exit vSphere and reload the Dell Management Plug-in. This applies to both the Settings page and Config Wizard page.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 21: Single DUP update continues without using the *Apply Update* selection method.

Description: When you don't select an option on the last page of the firmware update using the Single Firmware Update method, the default behavior is applied the update on next reboot.

Resolution: If this situation happens, manage the reboot of the host to get the selected update to apply. To avoid this situation, always make the selection on the reboot page *prior* to proceeding with the firmware update.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 22: Proxy Test failure

Description: If proxy test failed, try to ping the website that you used to test proxy to make sure the website is not down.

Resolution: If you can ping the website, then try the test proxy again and it should work.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 23: Aborted deploy task stuck with "Cancelling" status.

Description: Once you cancel a job, and the job starts cancelling clicking the Abort button does not do anything.

Resolution: None.

Resolution: None.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 24: Wrong installation date being reported in firmware.

Description: The Dell tab shows wrong installation dates.

Resolution: None.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 25: vCenter Destination Container in Hypervisor Profile showing duplicate container.

Description: The VCenter Destination Container browse dialog box sometimes lists datacenters and clusters more than once.

Resolution: None.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 26: Connection Profile of vCenter selected in Hypervisor Profile is not used for Deployment .

Description: When using multiple vCenters, you have the option to create a deployment job from one vCenter and add it to another vCenter by selecting the vCenter Instance and Destination Container in the hypervisor profile. During the Deployment Wizard Connection Profile section, the connection profiles from the vCenter selected in the hypervisor profile should be displayed. Instead, the connection profiles from the vCenter currently in use is shown. After a successful deployment the connection profile is created on the vCenter used for the deployment job and it throws a warning that the hosts are missing. Also, there will be no connection profile created on the target vCenter for the newly added hosts.

Resolution: Remove the hosts from the connection profile of the vCenter used for deployment and create a new connection profile on the target vCenter and add the host you just added to the target VCenter.

Version Affected: 1.0, 1.0.1, 1.0.1 Update 1

Issue 27: Events are not listed in vSphere correctly.

Description: Events are not listed correctly in VCenter 5 when viewed from the Host and DataCenter levels. This issue happens if you register the Dell Management Plug-in version 1.0.1 on VCenter 5 and then upgrade to Dell Management Plug-in 1.0.1 Update 1. **See the *Dell Management Plug-in for VMware vCenter User Guide* for complete directions for upgrade.**

Resolution: You need to unregister and re-register the Dell Management Plug-in after upgrading to Dell Management Plug-in 1.0.1 Update 1.

Version Affected: 1.0.1, 1.0.1 Update 1

Corrected Problems

The following problems were reported in earlier releases of the Dell Management Plug-In and have been corrected in this release:

Bug#: DF481653 **Fixed Issue 1:** Duplicating the hardware profile does not preserve all changes. This happens if you make a duplication of a hardware profile that is different from the original.

Bug#: DF484330 **Fixed Issue 2:** Error adding host to vCenter by socketTimeoutException. While the warranty task is running, other Dell Management Plug-in functionality may break at random points.

- Bug#:** DF489662 **Fixed Issue3:** Re-running compliancy check on Lifecycle Controller 1.3 based servers deletes the service tag.
- Bug#:** DF485000 **Fixed Issue 4:** An Unknown Exception occurred while accessing Firmware information on the Dell Tab. This happens due to the warranty service proxy issue. Inventory service did not get the iDRAC IP, which causes the firmware service to throw an unknown exception.
- Bug#:** DF484068 **Fixed Issue 5:** The deployment failed due to exception of parallel processing conflicts while updating.
- Bug#:** DF484713 **Fixed Issue 6:** The Dell Management Plug-in fails to forward events to vCenter. If you have not made any changes to the default alert settings and if you do not follow every step of the upgrade instructions to 1.0.1 then the new appliance won't send alerts to any vCenter that registered with the upgraded appliance.
- Bug#:** DF484717 **Fixed Issue 7:** The ESXi deploy fails to configure the correct LOM interface. If you have multiple MAC addresses that are not in teaming mode, and take the MAC address that is not wired for use by the Dell Management Plug-in, then DHCP fails.
- Bug#:** DF481089 **Fixed Issue 8:** iDRAC attribute value set failure messaging. For servers using LC 1.5, the iDRAC configuration only supports a subset of iDRAC attributes. If you modify the HWP to change unsupported LC 1.5 iDRAC settings, the Dell Management Plugin gives an error message but continues with the deployment job. LC 2.0 supports the complete set of iDRAC attributes.
- Bug#:** DF484450 **Fixed Issue 9:** Dell Management Plug-in lets you send more than one NIC update. Only one is successful.
- Bug#:** DF487949 **Fixed Issue 10:** Successful Deployment applied incorrect Boot Order on Target Host.
- Bug#:** DF488342 **Fixed Issue 11:** iDRAC user not added to target system after successful deployment. iDRAC user changes done on custom Hardware configuration were not applied when no hypervisor profile was selected in deployment template.
- Bug#:** DF488692 **Fixed Issue 12:** Changes to BIOS settings sometimes revert to original state. Changes done to customize hardware configuration on Hardware profile were not saved.

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