Lifecycle Controller
Version 1.6.0

Release Notes

Release Type and Definition

Lifecycle Controller
An out-of-band mechanism for configuring the platform, applying firmware updates, saving a system inventory, or deploying an operating system, either by using a GUI or a remote scripting language.

Version
Lifecycle Controller version 1.6.0

Release Date: March 2013

Previous Version
Lifecycle Controller version 1.5.5

Importance

RECOMMENDED: Dell recommends applying this update during your next scheduled update cycle. The update contains feature enhancements or changes that will help keep your system software current and compatible with other system Modules (firmware, BIOS, drivers, and software).

Platforms Affected

The new features and enhancements listed in the "What's New?" section are supported by the following systems:
- Dell PowerEdge M910
- Dell PowerEdge M915
- Dell PowerEdge R715
- Dell PowerEdge R815
- Dell PowerEdge R910

What is Supported?

Supported Systems and Operating Systems

- Contact your service provider for the list of supported systems.
- For the list of PowerEdge systems and operating systems that can be deployed on the target systems, contact your service provider.
- For more information about supported versions of VMware ESX and ESXi on PowerEdge systems, contact your service provider.

Supported Web Browsers

Not applicable.

What's New

The highlights of this release are:

- Firmware update support for Fiber Channel (FC) cards.
- Support for the following FC cards:
  - QLogic QLE2660 Single Port FC16 HBA
  - QLogic QLE2660 Single Port FC16 HBA (LP)
  - QLogic QLE2662 Dual Port FC16 HBA
  - QLogic QLE2662 Dual Port FC16 HBA (LP)
  - QLogic QME2662 Dual Port FC16 HBA Mezzanine
  - Emulex LPe16000 Single Port FC16 HBA
  - Emulex LPe16000 Single Port FC16 HBA (LP)
  - Emulex LPe16002 Dual Port FC16 HBA
  - Emulex LPe16002 Dual Port FC16 HBA (LP)
  - Emulex LPm16002 Dual Port FC16 HBA Mezzanine
- Removed task validation post reboot after a firmware update operation. This has reduced the time taken to complete firmware update.

  Note: The validation task is not removed for iDRAC firmware update.

- Reduced number of reboots when multiple components are selected. During firmware update, the system reboots depending on the components selected.

Fixes

None for this release.

Important Notes

The drivers exposed by Lifecycle Controller are present in a read-only drive, labeled as OEMDRV, which are active for 18 hours. During this period:

- Lifecycle Controller, drivers, or hardware diagnostics cannot be updated using a DUP.
- Lifecycle Controller cannot invoke Collect System Inventory On Reboot (CSIOR).

However, if an AC power cycle (cold boot) is performed, the OEMDRV drive is automatically deleted.

Known Issues

Issue 1

Description

The Option ROM and OpenManage Server Administrator Storage Management displays the name of the virtual disk with spaces prefixing a character, but Remote Services displays the name without the spaces. For example, if the Option ROM and OpenManage Server Administrator Storage Management display the virtual disk name as " j", the Remote Services displays it as "Name=j".

Resolution

Not applicable.

Versions Affected

Lifecycle Controller version 1.6.0.

Issue 2

Description
When backing up to a network share using WSMAN, WSMAN allows only 64 characters to be used in the image name.

Resolution
Not applicable.

Versions Affected
Lifecycle Controller version 1.6.0

Issue 3

Description
The Export and Import operations fail if multiple iDRAC virtual consoles are open.

Resolution
Make sure that only one iDRAC virtual console is open during Export or Import operation.

Versions/Systems Affected
Lifecycle Controller version 1.6.0

Issue 4

Description
On Broadcom CNA cards, the following combinations of iSCSI and FCoE mode are not handled across partitions:
- If FCoE or iSCSI mode is enabled in Partition 1 and FCoE or iSCSI mode is enabled in Partition 2, the FCoE or iSCSI mode cannot be enabled in partition 3 and 4.
- If FCoE or iSCSI mode is enabled in Partition 1 and FCoE or iSCSI mode is enabled in Partition 3, the FCoE or iSCSI mode cannot be enabled in partition 2 and 4.
- If FCoE or iSCSI mode is enabled in Partition 2 and FCoE or iSCSI mode is enabled in Partition 3, the FCoE or iSCSI mode cannot be enabled in partition 1 and 4.
- If FCoE or iSCSI mode is enabled in Partition 2 and FCoE or iSCSI mode is enabled in Partition 4, the FCoE or iSCSI mode cannot be enabled in partition 1 and 3.
- If FCoE or iSCSI mode is enabled in Partition 3 and FCoE or iSCSI mode is enabled in Partition 4, the FCoE or iSCSI mode cannot be enabled in partition 2 and 1.
- If FCoE or iSCSI mode is enabled in Partition 4 and FCoE or iSCSI mode is enabled in Partition 1, the FCoE or iSCSI mode cannot be enabled in partition 2 and 3.

Resolution
Not applicable.

Versions Affected
Lifecycle Controller version 1.6.0

Issue 5

Description

When enumeration is performed on multiple devices such as NICs, CNAs, and controllers, the data returned is more than the maximum envelope size.

Resolution

Increase the envelope size of the client. The recommended envelope size is 1024 kilobytes.

Versions Affected

Lifecycle Controller version 1.6.0

Issue 6

Description

After running several update jobs, some jobs are not executed in some systems.

Resolution

When using WSMAN command to initiate update jobs, make sure to wait for few seconds before submitting the second job.

Versions Affected

Lifecycle Controller version 1.6.0

Issue 7

Description

The Import operation is attempted on SAS controller and an error is reported, if the import is not possible due to the reasons such as unsupported RAID levels. The controller allows creation of the global hot spares even if there are no VDs and removes them after systems reboots, and this is an expected behavior of the controller and does not affect the functionality.

Resolution

There is no workaround as it works as designed.

Versions Affected

Lifecycle Controller version 1.6.0

Limitations

None for this release.

Installation

Prerequisites

- Unified Server Configurator-Lifecycle Controller Enabled version 1.6.0.
- For Blade systems, iDRAC6 version 3.5.
- For Rack and Tower systems, iDRAC6 version 1.95.
- Following are the BIOS versions based on the Dell systems:
    - Dell PowerEdge M910 – 2.7.8
    - Dell PowerEdge M915 – 3.0.2
    - Dell PowerEdge R715 – 3.0.2
    - Dell PowerEdge R815 – 3.0.2
    - Dell PowerEdge R910 – 2.7.8

Installation Procedure

To use the latest features, upgrade the firmware in the following order:

1. BIOS
2. Unified Server Configurator-Lifecycle Controller Enabled (USC-LCE)
3. iDRAC6

Contacting Dell

Note: If you do not have an active Internet connection, you can find contact information on your purchase invoice, packing slip, bill, or Dell product catalog.

Dell provides several online and telephone-based support and service options. Availability varies by country and product, and some services may not be available in your area. To contact Dell for sales, technical support, or customer service issues:

1. Visit **www.dell.com/support**.

2. Select your support category.

3. Verify your country or region in the **Choose a Country/Region** drop-down menu at the top of page.

4. Select the appropriate service or support link on the basis of your need.

For information about documentation support:

1. Go to **www.dell.com/support/manuals**.

2. Select **Choose from a list of all Dell products** and click **Continue**.

3. Click **Software, Monitors, Electronics & Peripherals** ->**Software**.

4. Click **Remote Enterprise System Management**, and then click the required product version to view the documents.