Lifecycle Controller 2
Release 1.1
Readme

Lifecycle Controller 2 GUI provides advanced embedded systems management and is delivered as part of Integrated Dell(R) Remote Access Controller 7 (iDRAC7) Version 1.30.30. The GUI enables systems management in a one-to-one method. **NOTE:** For detailed information about Lifecycle Controller, see the documentation available at **dell.com/support/manuals**. On this page, select **Choose from a list of all Dell products** and click **Continue**, navigate to Software→ **Monitors, Electronics &; Peripherals**→ **Software**→ **Enterprise System Management**, and click to access the documentation for the required product.

What's New in this Release?

The highlights of this release are:

- Added support for the following operating systems:
    - Red Hat Enterprise Linux 6.3
    - VMware vSphere 5.1
    - XenServer 6.1
- Added Firmware Update support for Backplanes, Enclosures (MD 1200 and MD 1220), CPLD, and Fibre Channel (FC) cards.
- Added support for 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
    - QLogic QLE2560 FC8 Single Channel HBA
    - QLogic QLE2562 FC8 Dual Channel HBA
    - QLogic FC8 Embedded Mezz Card QME2572
    - 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
- Part Replacement feature is available with iDRAC7 Express license.
- Added support for 64-bit DUP based single component update. However, do not use the 64-bit DUP if you are using Lifecycle Controller 2 Release 1.0.8.
- Added clear and precise event messages that are displayed with the message ID, message, and recommended action. For detailed information about these messages, see Event Message Reference Guide on dell.com/support/manuals.
- Synchronized mouse cursor while using Lifecycle Controller through iDRAC Virtual Console. Must have BIOS version 1.3.x or later.
- Removed task validation post reboot after a firmware update operation. This has reduced the time taken to complete firmware update.
  NOTE: While performing firmware update, if CSIOR is disabled, after completing the update on all the components, Lifecycle Controller performs a single validation task.
- Reduced number of reboots if multiple components are selected:–
    - During firmware update, the system reboots depending on the components selected.–
    - During firmware rollback, the system reboots only while rolling back iDRAC and Power Supply firmware.
      NOTE: For more information, see **Firmware Update** section in the Lifecycle Controller User's Guide.
- Improved user interface navigation.
- Improved keyboard navigation including support for the <F1> key to open online help.
- Added progress bar animation that is displayed while an operation is in progress.
- iDRAC License information displayed on About page.

Hardware and Software Requirements

<u>License Requirements</u>
- Software licensing has replaced hardware licensing. For more information, see the iDRAC7 User's Guide.
- Many features in Lifecycle Controller are licensed. You must install the required license to use these features. For more information, see **Introduction** section in the Lifecycle Controller User's Guide.

<u>Supported Systems and Operating Systems</u>
- 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 on supported versions of VMware ESX and ESXi on PowerEdge systems, contact your service provider.

<u>Supported Web Browsers</u>
NA

Installation

Prerequisites

iDRAC7 version 1.30.30

Installation and Configuration Notes

NA

Upgrade

Only Lifecycle Controller 2 Release 1.0.0 and later can be upgraded.

Rollback

NA

Uninstallation
NA

Notes

Note 1

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

- Lifecycle Controller, drivers, or hardware diagnostics cannot be updated using a DUP.
- Lifecycle Controller cannot invoke CSIOR.
  However, if an AC power cycle (cold boot) is performed, the OEMDRV drive is automatically deleted.

Note 2

To log the update events in the Lifecycle Log, make sure that the installed versions of Lifecycle Controller and iDRAC are from the same release.

Note 3

If Lifecycle Controller and iDRAC are not from the same release, the Lifecycle Log displays blank messages and messages with ~ character.

Limitations

Limitation 1

Description

The following characters are supported for 'User Name' and 'Password':

- Digits (0-9)
- Alphanumeric (a-z, A-Z)
- Hyphen (-)

NOTE: For 'Domain Name', a period (.) is allowed. For example, 'x123.com'.

Versions Affected

All

Limitation 2

Description

While updating iDRAC firmware using a tool other than Lifecycle Controller, Lifecycle Controller must not be open or running because it results in an unknown behavior. Use Lifecycle Controller after the firmware is successfully updated.

Versions Affected

All

Limitation 3

Description

If the iDRAC firmware update is interrupted for any reason, wait for up to 30 minutes before attempting another firmware update.

Versions Affected

All

Limitation 4

Description

Only Windows operating system can be deployed on systems with software RAID controller.

Versions Affected

All

Limitation 5

Description

Firmware update is supported for LAN On Motherbaords, Network Daughter Cards, network adapters from Broadcom, QLogic, and Intel, and some of the Qlogic and Emulex fibre channel cards. For the list of supported fibre channel cards, see Lifecycle Controller User's Guide..

Versions Affected

Lifecycle Controller 2 Release 1.1

Limitation 6

Description

The Lifecycle Controller operating system driver pack does not contain drivers for Fibre Channel based network cards.

Versions Affected

Lifecycle Controller 2 Release 1.1

Limitation 7

Description

After the CPLD firmware is updated on modular servers, the View Current Versions page under Firmware Update displays the firmware update date as Jan 1, 2000 regardless of the actual update date.

Versions Affected

Lifecycle Controller 2 Release 1.1

Limitation 8

Description

Rollback is not supported for CPLD.

Versions Affected

Lifecycle Controller version 1.1

Limitation 9

Description

After updating a license, make sure to relaunch Lifecycle Controller to apply the license.

Versions Affected

Lifecycle Controller version 1.1

Limitation 10

Description

On some modular systems, after a Firmware Update, the Lifecycle Log displays the date in the time stamp as 1999-12-31 instead of the date on which Firmware Update was performed.

Versions Affected

Lifecycle Controller version 1.1

Limitation 11

Description

Windows Server 2012 does not support S110 software RAID controller.

Versions Affected

Lifecycle Controller version 1.1

Limitation 12

Description

The Emulex fibre channel card firmware cannot be rolled back from version 01.03.01 to version 01.01.06.

Versions Affected

Lifecycle Controller version 1.1

Limitation 13

Description

Lifecycle Controller cannot update Emulex FC card from version 1.01.06 to version 1.03.01.

Resolution

Run the Emulex firmware Update Package two times and reboot after each update while updating from version 1.01.06 to version 1.03.01.

Versions Affected

Lifecycle Controller version 1.1

Open Issues and Resolutions

Issue 1

Description

If FlexAddress is enabled on Chassis Management Controllers, iDRAC and Lifecycle Controller does not display the same MAC addresses.

Resolution

To view the chassis-assigned MAC address, use the iDRAC Web interface or the CMC Web interface.

Versions Affected

All

Issue 2

Description

Windows operating system deployment may intermittently fail with the following error message: "A required CD/DVD drive device driver is missing. If you have a driver floppy disk, CD, DVD, or USB flash drive, please insert it now."

Resolution

Reboot to Lifecycle Controller and retry until the operating system is successfully deployed.

Versions Affected

Lifecycle Controller 2 Release 1.1

Issue 3

Description

While deploying Windows 2008 R2 SP1 from Lifecycle Controller GUI > OS Deployment, installation terminates with the following error:

```
There is no disk in the drive. Please insert a disk into drive
\Device\Harddisk0\DR0.
```

This issue may occur due to any of the following reasons:
- Virtual Media is in the attached state with no media mapped.
- Virtual Media is in the auto attached state with media mapped.
- Virtual Media being presented by the AVCT SIP **and Virtual Media from iDRAC7 in the detached state.**
- The underlying cause may be due to failure to load drivers for RAID controllers on the system.
  NOTE: It does not occur with Virtual Media in the detached state. It also does not occur without the SIP and with Virtual Media in the detached from iDRAC7.

Resolution

Retry the operation.

Versions Affected

Lifecycle Controller 2 Release 1.0

Issue 4

Description

Some of the supported components are not displayed on the **Firmware Update→ View Current Versions** page.

Resolution

Reboot the system and open View Current Versions page.

Versions Affected

All

Issue 5

Description

For an Intel(R) Ethernet X520 10GbE Dual Port KX4-KR Mezzanine card, after the firmware is downgraded from version 14.0.12 to version 13.5.6, the View Current Versions page displays the firmware version for the card as 5.6 instead of 13.5.6.

Resolution

Update the firmware by running the Update Package through the operating system.

Versions Affected

Lifecycle Controller 2 Release 1.1

Global Support

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