

Dell Lifecycle Controller

USC-LCE

Version 1.5.2

Readme



What's New

- Backup server profile
- Export server profile
- Import server profile
- View and export factory shipped inventory
- Configuration and firmware upgrade support for Converged Network Adapters (CNA) cards (10GB partitionable NIC with FCoE and iSCSI offload)
Supported on the following CNA card:
 - Broadcom:
 - M710HD Dual Port 10Gig 57712 NDC
- Enhancement to the RAID configuration
 - Software RAID configuration
 - Virtual disk slicing
- Driver packs support for new operating systems

Prerequisites for using USC-LCE

- For Blade systems, iDRAC version 3.2
- For Rack and Tower systems, iDRAC version 1.7

Supported Dell Systems and Operating Systems

- For the list of Dell systems and operating systems that can be deployed on the target systems, see the "Lifecycle Controller – Supported Dell Systems and Operating Systems" section in the "Dell Systems Software Support Matrix" available at support.dell.com/manuals. On the Manuals page, click Software > Systems Management > Dell OpenManage Releases. Select the relevant OpenManage release version and click Dell System Software Support Matrix.
- Only VMware ESX 4.1 or later operating systems are supported on Intel Xeon processor E7 family.

Installation and Configuration

NA

Open Issues, Limitations, and Resolutions

Issue 1

Description

After you apply newer firmware on H200i storage controllers, there is a delay of 2 to 3 minutes before reboot.

Issue 2

Description

The drivers exposed by USC are present in a read-only device labeled OEMDRV, and the device is active for 18 hours. In a Microsoft(r) Windows(r) and Linux environment, the drivers are automatically installed and no further action is required. In Red Hat Enterprise Linux version 4.8 only, the drivers are not automatically installed and you have to install the drivers manually after the OS installation has been completed.

Issue 3

Description

In Windows 2003 (32 bit, SBS, and 64 bit), in addition to the device labeled OEMDRV, a floppy drive labeled FLOPPY that contains drivers is also exposed and remains active for 18 hours.

Issue 4

Description

USC supplies necessary Windows 2003 Server drivers via a temporary, internal USB device that may initially be assigned the drive letter C: during Windows 2003 Server Setup. Before proceeding, see the USC/USC-LCE User's Guide or the Microsoft support article KB896536 for appropriate installation steps to ensure that your operating system is properly installed to drive letter C:.

Issue 5

Description

If the boot mode is set to UEFI in BIOS (F2 setup) and if you launch System Services (F10) and Deploy OS, the installation might fail or you may not be able to boot to the OS after the installation. Always ensure boot mode is set to BIOS in F2 setup before launching USC and deploying the OS.

Issue 6

Description

You may see a no optical device found error if you have a bad DVD/CD in the optical drive. This error does not mean that there are no optical devices on the system. If you remove the bad media, then this error is resolved.

Issue 7

Description

For Red Hat Enterprise Linux version 4.8 operating system, you may need to install kernel source before installing the drivers present in OEMDRV.

Issue 8

Description

For RAID Configuration and Platform Updates, PERC 6.1 Firmware or later is required.

Issue 9

Description

To maintain compatibility with other iDRAC configuration tools, it is recommended that only digits (0-9), alphanumeric (a-z, A-Z) and hyphen (-) characters be used when entering a "Name" or "Password" string. When entering a "Domain Name", such as 'x123.com', a period (.) character is also permissible.

Issue 10

Description

When attempting a Platform Update via an FTP server, specifying a valid proxy server but selecting an invalid proxy type causes USC to halt for a long period (possibly over 30 minutes) before it returns to normal operation.

Issue 11

Description

USC does not support the update or rollback options of PERC5/E Adapter for External Storage or SAS5iR Adapter for tape.

Issue 12

Description

If a floppy drive is attached to the system when the USC is used to deploy a Windows 2003 Server operating system, error pop-up messages are displayed, and many required device drivers such as NIC, video, and chipset drivers are not installed, but the storage device drivers are installed. Do not attach floppy devices before using the USC to deploy a Windows 2003 Server operating system.

Issue 13

Description

If you see this error message "Unable to find a boot device on which to install the operating system. Verify boot disk availability." and if you have a USB key plugged in to the system after booting to USC, remove the USB key before deploying the operating system.

Issue 14

Description

If you are updating iDRAC firmware using a tool other than USC, do not run USC during the firmware update because doing so results in unknown behavior. After the firmware is successfully updated you can safely use USC.

Issue 15

Description

If the iDRAC firmware update is interrupted for any reason, you may need to wait for up to 30 minutes before you can attempt another firmware update.

Issue 16

Description

When configuring the FTP server for your repository in the platform update, you may get a message that indicates that a network connection exists with your FTP server; however, it may mean that the validation process needs some extra time depending on your network setting. Click OK on the message box, and try one more time to connect to the FTP server.

Issue 17

Description

Account access can be disabled only if there is more than one user enabled on the iDRAC. To enable users, access the iDRAC Web-based GUI. Navigate to the Users section under the Network/Security tab and enable users as needed. Note that at least one more user needs to be enabled in order to disable the account access in the USC.

Issue 18

Description

In the iDRAC Configuration Wizard, the DNS Domain Name may contain a maximum of 64 ASCII characters.

Issue 19

Description

When attempting a Platform Rollback, there may be a two minute delay before Rollback tasks are displayed on the screen.

Issue 20

Description

When using Hardware Configuration Advanced Configuration, if you click on any NIC or BIOS devices and then leave the page and come back, you may experience delays of up to 18 seconds on all the pages.

Issue 21

Description

In the iDRAC Configuration Wizard, there is not a selection for auto-attached on the Virtual Media Configuration page.

Issue 22

Description

Intel NIC cards are not supported in the "Platform Update" option in USC.

Issue 23

Description

During an UEFI based SLES 10 and SLES 11 installation, ensure that no additional USB or block storage devices are connected to the system. If there are one or more USB or block storage devices plugged into the system, the auto loading of drivers from the embedded storage fails. This fails because the current implementation of SLES installer reads only from one USB or block storage device.

Issue 24

Description

If a Non-Dell SD card is attached to the system, the values shown for "Health" and "Available Space" options are not applicable.

Issue 25

Description

An "Invalid Update Package" error message is displayed, when:

- The folder containing the DUP is not accessible.
- The DUP is not present on the USB mass storage device.
- Name of the DUP is incorrect.

Issue 26

Description

For an attached Broadcom NetXtreme II 10 Gigabit Ethernet card, when you change the settings (from the Device Configuration menu) from "Forced SF" to "MF Allowed", USC displays an error message "An error occurred. One or more settings may not be restored." If you click OK, the system reboots.

Issue 27

Description

On R910 systems, the 'Node Interleaving' option on the 'Memory Settings' page is grayed-out when you access it after a reboot. You must click 'Default' on the main page of 'System BIOS Settings' to enable the 'Node Interleaving' option.

Issue 28

Description

On an iDRAC version 1.3 installed managed node, the "Part Replacement Configuration" and "Add a work note to Lifecycle Log" features in the USC-LCE do not function, though the features are enabled.

Issue 29

Description

SAS controllers do not support virtual disk slicing.

Issue 30

Description

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

Issue 31

Description

When you view hardware inventory, incorrect hardware inventory information is displayed in a R210 II system.

Issue 32

Description

USC-LCE does not support Network Daughter Card (NDC) firmware update or rollback from versions 6.2.16 to 6.4.4.

Issue 33

Description

The release 1.5.2 addresses the change to Certificate Chain to ensure continued ability to make firmware updates.

Global Support

For information on technical support, visit dell.com/contactus.

For information on documentation support, visit support.dell.com/manuals. On the **Manuals** page, click **Software**→ **Systems Management**. Click on the right-side, and select the product to access the documents.

Information in this document is subject to change without notice.

© 2012 Dell Inc. All rights reserved.

Reproduction of these materials in any manner whatsoever without the written permission of Dell Inc. is strictly forbidden.

Trademarks used in this text: Dell™, the DELL logo, Dell Precision™, OptiPlex™, Latitude™, PowerEdge™, PowerVault™, PowerConnect™, OpenManage™, EqualLogic™, KACE™, FlexAddress™ and Vostro™ are trademarks of Dell Inc. Intel®, Pentium®, Xeon®, Core™ and Celeron® are registered trademarks of Intel Corporation in the U.S. and other countries. AMD® is a registered trademark and AMD Opteron™, AMD Phenom™, and AMD Sempron™ are trademarks of Advanced Micro Devices Inc., Microsoft®, Windows®, Windows Server®, MS-DOS® and Windows Vista® are either trademarks or registered trademarks of Microsoft Corporation in the United States and/or other countries. Red Hat Enterprise Linux® and Enterprise Linux® are registered trademarks of Red Hat, Inc. in the United States and/or other countries. Novell® is a registered trademark and SUSE™ is a trademark of Novell Inc. in the United States and other countries. Oracle® is a registered trademark of Oracle Corporation and/or its affiliates. Citrix®, Xen®, XenServer® and XenMotion® are either registered trademarks or trademarks of Citrix Systems, Inc. in the United States and/or other countries. VMware®, Virtual SMP®, vMotion®, vCenter®, and vSphere® are registered trademarks or trademarks of VMWare, Inc. in the United States or other countries.

Other trademarks and trade names may be used in this publication to refer to either the entities claiming the marks and names or their products. Dell Inc. disclaims any proprietary interest in trademarks and trade names other than its own.

February 2012