

Dell Lifecycle Controller
Remote Services
Version 1.5
Release Notes



What's New

- Export server profile
- Import server profile
- Configuration and firmware upgrade support for Converged Network Adapters (CNA) cards (10GB partitionable NIC with FCoE and iSCSI offload)
Supported on the following CNA cards:
Broadcom:
 - M710HD Dual Port 10Gig 57712 NDC
- Enhancement to the RAID configuration and RAID security
 - Create sliced (partial physical disks) virtual disks
 - Enable controller encryption
 - Local key removal and rekey
 - Create CacheCade virtual disk
 - Set attributes on controller and virtual disk
 - Unassign hotspare
- Granular support for connecting and attaching a network ISO image as a virtual USB device.
- Driver-pack support for new operating systems
- Remotely set BIOS System and Setup passwords
- Status for Remote Services readiness

Prerequisites for using Remote Services

- Unified Server Configurator-Lifecycle Controller Enabled version 1.5
- For Blade systems, iDRAC version 3.2
- For Rack and Tower systems, iDRAC version 1.7
- Following are the BIOS versions based on the Dell systems:
 - R610 - 3.0.0
 - T610 - 3.0.0
 - R710 - 3.0.0
 - M610 - 3.0.0
 - M710 - 3.0.0
 - T710 - 3.0.0
 - T410 - 1.6.3
 - R410 - 1.6.3
 - NX3000 - 3.0.0
 - NX300 - 1.6.3
 - DL2100 - 3.0.0
 - T310 - 1.6.3
 - R510 - 1.6.3
 - R210 - 1.6.3
 - R910 - 2.0.19
 - R810 - 2.0.19
 - M910 - 2.1.0
 - R310 - 1.6.3
 - R815 - 1.4.1
 - NX3100 - 1.6.3
 - DX6012S - 1.6.3
 - R715 - 1.4.1
 - M710hd - 2.0.0
 - M610X - 3.0.0

- DX6000 - 3.0.0
 - DL2200 - 1.6.3
 - R515 - 1.2.2
 - R415 - 1.2.2
 - NX200 - 1.6.3
 - DX6004S - 1.6.3
 - DX6000G - 1.6.3
 - M915 - 1.0.0
 - R210 II - 1.0.0
 - FS7500 - 3.0.0
 - NX3500 - 1.6.3
- Must have a WS-Management capable utility to perform the tasks.

Installation and Configuration

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

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

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**.

Open Issues, Limitations, and Resolutions

Issue 1

Description

Remote Services does not work correctly after upgrading iDRAC from version 1.3 to 1.5.

Resolution

Flash the BIOS, USC and iDRAC in this order, so that Remote Services works correctly. If builds are flashed in the wrong order, iDRAC must be reset again for it to work correctly.

Versions Affected

Remote services 1.4

Issue 2

Description

The Option ROM and OMSS show 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 OMSS display the virtual disk name as " j", the Remote Services displays it as "Name=j".

Resolution

N/A

Versions Affected

Remote services 1.4 and 1.5

Issue 3

Description

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

Resolution

NA

Versions Affected

Remote services 1.5

Issue 4

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 Affected

Remote services 1.5

Issue 5

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
N/A

Versions Affected
Remote services 1.5

Issue 6

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
Remote services 1.5

Issue 7

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 two seconds before submitting the second job.

Versions Affected
Remote services 1.5

Issue 8

Description
The Import operation is attempted on SAS controller and an error is reported if the import is not possible due to the reasons like 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
Remote services 1.5

Issue 9

Description
If you are using a R210 II system, the current hardware inventory displays incorrect information.

Resolution
N/A

Versions Affected
Remote services 1.5

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.

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March 2011