Dell Storage PowerTools Cluster Services Manager Release Notes

Dell Engineering
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Revisions

Date	Description
December 2015, A01	Revised for EVO:RAIL v1.2.1 Performance release
September 2015, A00	Initial release

Contents

1 What's new

This release of Dell Storage PowerTools Cluster Services Manager coincides with EVO:RAIL v1.2.1 Performance.

Component Versions:

- Cluster Services Manager (CSM): 1.0.0
- Compatibility Manager (CM): 2.01.06-317
- Update Manager (UM): 2.01.06-317
- Update Bundle (a.k.a. Payload): 1.0.24

2 Internationalization

Graphical User Interface (GUI): English

3 Compatibility

This release of Dell Storage PowerTools – Cluster Services Manager is for use only on a Dell-deployed EVO:RAIL v1.2.1 integrated hardware, software, and hyper-converged infrastructure appliance on C6320 and C6220 II servers.

4 Installation

CSM 1.0.0 comes preinstalled on Dell EVO:RAIL v1.2.1 appliance as a "Link and Launch" software bundle. Pre-existing installations can upgrade by downloading and applying the latest CSM Update Bundle v1.0.24 from **Dell.com/support/home**.

5 Upgrades for this release

The CSM Updated Bundle has been upgraded to v1.0.24 and now includes support for Intel X540 PCIe 10 GbE Base-T NICs.

6 Product support notices

This software is supported by Dell. Contact Dell at **Dell.com/support/home**.

7 Resolved issues

Added support for Intel X540 PCIe 10 GbE Base-T NICs.

8 Known issues and limitations

a. **There is no option to cancel an inventory or update within PowerTools CSM.**
Update cycles can last for as much as 30 minutes per ESXi host or more, if there are any external issues causing additional delays.
Workaround: Wait until the cycle completes. However, if this is not possible, it may be necessary to restart CSM. The easiest way to do this is to restart the CSM VM.

b. **PowerTools CSM for EVO:RAIL leaves SSH disabled upon exit regardless of initial state.**
Workaround: None at this time.

c. **CSM may display some inventory items as critically out of compliance but not be able to update them.**
On the C6220 platform, CSM is not able to update BIOS or NIC firmware. On the C6320 platform, CSM is not able to update NIC firmware.
Workaround: These items must be flashed by using a manual offline update process. For more information, contact Dell at **Dell.com/support/home**.

d. **There is no password change option in the PowerTools CSM web GUI.**
Workaround: Change the CSM password from a console session to the CentOS Linux VM and use the standard "`passwd`" at the Linux command interface. For more information, see the *PowerTools CSM User's Guide* at **Dell.com/support/home**.

e. **vCenter displays yellow warning badges on all ESXi hosts managed by CSM during a refresh or update cycle.**
While PowerTools CSM is running an inventory or performing updates, it enables and disable SSH services intermittently on each host as needed. This currently has the side effect of causing yellow warning badges to appear intermittently on the hosts managed by CSM.
Workaround: None at this time.

f. **There is no timeout in CSM for a host entering maintenance mode.**
While PowerTools CSM is performing updates on the ESXi hosts it manages, it automatically sets the current target host in the maintenance mode. If there are issues outside of CSM causing delays in that process (for example, delays to vMotion migrations), CSM waits indefinitely for the host to enter maintenance mode.
Workaround: Wait until the host is able to enter the maintenance mode, at which time, CSM continues normally. However, if this is not possible, it may be necessary to restart CSM. The easiest way to do this is to reboot the CSM VM.

g. **CSM shows NIC firmware critically out of compliance if version 17.0.12 Intel NIC firmware is installed on any enabled LOMs or PCIe NICs.**

A new version 17.0.12 firmware for the Intel 10 GbE NIC family is being released near the same time as EVO:RAIL v1.2.1 Performance. CSM is configured to expect the current certified firmware version 16.5.20 to be in place, so this line item is listed with a red warning in CSM if v17.0.12 is detected on any NICs in the cluster. As has been discussed in item "c" above, CSM for EVO:RAIL is not able to update or downgrade NIC firmware. Thus, CSM always show this component as non-compliant, even after executing an update cycle.

Workaround: These items must be flashed by using a manual offline update process. For more information, contact Dell at **Dell.com/support/home**.