



Cisco MDS 9000 Family Release Notes for Cisco MDS NX-OS Release 6.2(3n)

Release Date: May 20, 2014

Part Number: OL-29201-05

This document describes the caveats for switches in the Cisco MDS 9000 Family. Use this document in conjunction with documents listed in the [“Obtaining Documentation and Submitting a Service Request” section on page 4](#).

Release notes are sometimes updated with new information on restrictions and caveats. Refer to the following website for the most recent version of the *Cisco MDS 9000 Family Release Notes*:
http://www.cisco.com/en/US/products/ps5989/prod_release_notes_list.html

[Table 1](#) shows the on-line change history for this document.

Table 1 Online History Change

Revision	Date	Description
A0	May 20, 2014	Created the release notes.

Contents

This document includes the following:

- [Introduction](#)
- [Caveats](#)

Introduction

Only Cisco MDS 9700 No payload encryption (NPE) images are available with Cisco MDS NX-OS Release 6.2(3n). Cisco engineering has resolved the software issue as documented in the [“Caveats” section on page 2](#). For more comprehensive information about what is included in Cisco MDS NX-OS Release 6.2(3n), see *Cisco MDS 9000 Family Release Notes for Cisco MDS NX-OS Release 6.2(3)*.



Americas Headquarters:
Cisco Systems, Inc., 170 West Tasman Drive, San Jose, CA 95134-1706 USA

Caveats

This section lists the open and resolved caveats for this release. Use [Table 2](#) to determine the status of a particular caveat. In the table, “O” indicates an open caveat and “R” indicates a resolved caveat.

Table 2 *Open Caveats and Resolved Caveats Reference*

DDTS Number	NX-OS Software Release (Open or Resolved)	NX-OS Software Release (Open or Resolved)
	6.2(3)	6.2(3n)
Severity 2		
CSCum30306	O	O
CSCuq98083	O	O
CSCuw82693	O	O
CSCuu76450	O	O
Severity 3		
CSCum51935	O	R
CSCuw06365	O	O
CSCuv42986	O	O
Severity 4		
CSCva31989	O	O

Resolved Caveats

- [CSCum51935](#)

Symptom: When a user attempts to install No payload encryption (NPE) images, the following error message is displayed:

```
Return code 0x40930077 (Install is not supported between NPE and non-NPE system image) .
Pre-upgrade check failed. Return code 0x40930011 (Image verification failed) .
```

Condition: This situation occurs when a user attempts to install an NPE image by using the **install** command.

Workaround: This issue is resolved.

Open Caveats

- [CSCum30306](#)

Symptom: The security service crashes when configuring an SSH authentication key.

Configuring SSH keys multiple times within 10 minutes results in a HAP reset that resets the active supervisor.

Condition: This issue intermittently occurs when configuring an SSH authentication key.

Workaround: To avoid the supervisor reset, do not configure more than 2 SSH keys per 10 minutes.

- CSCuq98083

Symptom: An FCSP-ESP enabled (encrypted) port that was working fails to come up after ISSU/ISSD followed by link flap.

Condition: This issue only affects FCSP encrypted ports on MDS 9700 DS-X9448-768K9 and MDS 9500 DS-X9248-256K9 and DS-X9232-256K9 switching modules after an ISSU or ISSD to an affected version of NX-OS.

Workaround: Only a switch reload will recover from this situation. The switch must be running a fixed release of NX-OS (NX-OS 6.2(11) or above) before the reload to prevent the issue from recurring after recovery.

None of the following steps alone will not recover the port functionality:

- Shut/no-shut the affected port.
- Reloading the affected linecard.
- Removing the FCSP configuration and re-configuring FCSP.
- Upgrading to NX-OS 6.2(11) or above.

- CSCUw82693

Symptom: An ISL connected over a DWDM path does not reach link up state.

Condition: This issue only applies to MDS 9700 DS-X9448-768K9 modules used with some DWDM vendors.

Workaround: None.

Further Problem Description: **show interface** shows the link in "Link failure or not-connected" with OLS/LRR and NOS increasing in both directions.

- CSCUw06365

Symptom: An ISL does not initialize quickly across a DWDM connection. The link can take minutes, hours or even days to connect. Once connected, it is stable.

Condition: This issue only applies to DS-X9248-256K9 and DS-X9232-256K9 modules when connecting an ISL over a Tellabs 7100 DWDM path.

Workaround: None.

Further Problem Description: **show interface** shows the link in "Link failure or not-connected" with OLS/LRR and NOS increasing in both directions.

- CSCUv42986

Symptom: Callhome stops working and callhome tests fail.

Condition: Only destination profiles of full_txt are configured.

Workaround: To prevent from hitting this defect, configure an additional destination profile that is either short_txt or XML.

To recover from this defect after it has already been hit, perform a system switchover or reload the switch.

- CSCUu76450

Symptom: MDS fabric switch running in NPV mode fails to generate port-monitor alerts.

Condition: Applies to all MDS fabric switches running in NPV mode using port-monitor.

Applies to all versions prior to NX-OS 6.2(13).

Will occur only in the following conditions:

- After one or more upstream NP or TNP ports goes down and then back up.
- For each (T)NP port that flaps, one F port at the end of the range of ports will no longer be scanned for port-monitor counter events. For example, if the (T)NP port fc1/1 flaps then the last F port being used(ex. fc1/48) will no longer be scanned for port-monitor counter events.

Workaround: There are two workarounds, one temporary and one permanent:

1 - Contact the TAC and they can assist with killing the port-monitor process. Once the port-monitor process restarts, all ports will be once again scanned.

This is only temporary in the sense that if an upstream (T)NP port flaps again the problem will recur.

2 - Move the (T)NP ports to the end of the ports on the switch. For example, if there are four (T)NP uplinks on a MDS 9148 or MDS 9148S, then move them to fc1/45-fc1/48. Once this has been done the problem will not recur.

Further Problem Description: The fix is integrated into NX-OS 6.2(13) and later versions.

Obtaining Documentation and Submitting a Service Request

For information on obtaining documentation, submitting a service request, and gathering additional information, see the monthly *What's New in Cisco Product Documentation*, which also lists all new and revised Cisco technical documentation, at:

<http://www.cisco.com/en/US/docs/general/whatsnew/whatsnew.html>

Subscribe to the *What's New in Cisco Product Documentation* as a Really Simple Syndication (RSS) feed and set content to be delivered directly to your desktop using a reader application. The RSS feeds are a free service and Cisco currently supports RSS version 2.0.

This document is to be used in conjunction with the documents listed in the "Obtaining Documentation and Submitting a Service Request" section.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: www.cisco.com/go/trademarks. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)

© 2014 Cisco Systems, Inc. All rights reserved.