



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

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**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](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)*.



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# 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)
<b>Severity 2</b>		
<a href="#">CSCum30306</a>	O	O
<a href="#">CSCuq98083</a>	O	O
<a href="#">CSCuw82693</a>	O	O
<a href="#">CSCuu76450</a>	O	O
<b>Severity 3</b>		
<a href="#">CSCum51935</a>	O	R
<a href="#">CSCuw06365</a>	O	O
<a href="#">CSCuv42986</a>	O	O
<b>Severity 4</b>		
<a href="#">CSCva31989</a>	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>

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