

Intel[®] Omni-Path Fabric Managed Switches

Version 10.1.0.0.133 Release Notes

June 2016



You may not use or facilitate the use of this document in connection with any infringement or other legal analysis concerning Intel products described herein. You agree to grant Intel a non-exclusive, royalty-free license to any patent claim thereafter drafted which includes subject matter disclosed herein.

No license (express or implied, by estoppel or otherwise) to any intellectual property rights is granted by this document.

All information provided here is subject to change without notice. Contact your Intel representative to obtain the latest Intel product specifications and roadmaps.

The products described may contain design defects or errors known as errata which may cause the product to deviate from published specifications. Current characterized errata are available on request.

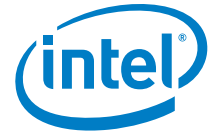
Copies of documents which have an order number and are referenced in this document, or other Intel literature, may be obtained by calling 1-800-548-4725, or by visiting: <http://www.intel.com/design/literature.htm>

Intel technologies' features and benefits depend on system configuration and may require enabled hardware, software or service activation. Learn more at <http://www.intel.com/> or from the OEM or retailer.

Intel and the Intel logo are trademarks of Intel Corporation in the U.S. and/or other countries.

*Other names and brands may be claimed as the property of others.

Copyright © 2015-2016, Intel Corporation. All rights reserved.



Contents

1.0 Overview of the Release	1
1.1 Introduction.....	1
1.2 Audience	1
1.3 If You Need Help	1
1.4 Supported in this Release	1
1.5 Product Constraints	1
1.6 Installation Requirements.....	1
1.6.1 Changes to Firmware Components	2
1.7 Miscellaneous.....	2
1.8 Documentation.....	2
2.0 System Issues	4
2.1 Resolved Issues	4
2.2 Open Issues	5

Tables

1-1 Related Documentation for this Release	2
2-1 Resolved Issues.....	4
2-2 Open Issues.....	5

S



1.0 Overview of the Release

1.1 Introduction

These Release Notes provide a brief overview of the changes introduced into the Intel® Omni-Path Fabric Managed Switches. References to more detailed information are provided where necessary. The information contained in this document is intended for supplemental use only; it should be used in conjunction with the documentation provided for each component.

These Release Notes list the new features, system issues closed since the previous release, as well as any known issues.

1.2 Audience

The information provided in this document is intended for installers, software support engineers, hardware engineers, and service personnel.

1.3 If You Need Help

If you need assistance while working with the Intel® Omni-Path Fabric Managed Switches, contact your Intel representative.

1.4 Supported in this Release

The following items are supported for this release:

- 24-port Intel® Omni-Path Edge Switch 100
- 48-port Intel® Omni-Path Edge Switch 100
- 6-slot Intel® Omni-Path Director Class Switch 100 Series
- 24-slot Intel® Omni-Path Director Class Switch 100 Series

1.5 Product Constraints

- The embedded version of the Intel® Fabric Manager supports up to a maximum of 100 nodes within a fabric. This is due to the limited memory and processing resources available in the embedded environment.
- To configure IPv6, it is recommended to use the switch command line interface (CLI).

1.6 Installation Requirements

This release has no special or release-specific installation requirements.



1.6.1 Changes to Firmware Components

The following firmware is supported in this release:

- Internally-managed edge:
STL1.07.10.1.0.0.133.spkg

and has been tested with the following externally-managed switch firmware:

- Externally-managed edge:
Intel_PRREdge_V1_firmware.10.1.0.0.133.emfw

1.7 Miscellaneous

- Additional internal tracing has been added to the firmware to improve link error-related diagnostic capabilities.
- Intel recommends that all fabrics contain at least one managed switch.

1.8 Documentation

Table 1-1 lists the end user documentation for the current release.

Documents are available at the following URLs:

- Intel® Omni-Path Switches Installation, User, and Reference Guides
<http://www.intel.com/SUPPORT/NETWORK/OMNI-SWTCH100/SB/CS-035856.HTM>
- Intel® Omni-Path Host Fabric Interface Installation, User, and Reference Guides (includes software documents)
<http://www.intel.com/support/network/omni-adptr/sb/CS-035857.htm>
- Drivers and Software (including Release Notes)
<https://downloadcenter.intel.com/>

Table 1-1. Related Documentation for this Release (Sheet 1 of 2)

Document Title
Hardware Documents
<i>Intel® Omni-Path Fabric Switches Hardware Installation Guide</i>
<i>Intel® Omni-Path Fabric Switches GUI User Guide</i>
<i>Intel® Omni-Path Fabric Switches Command Line Interface Reference Guide</i>
<i>Intel® Omni-Path Edge Switch Platform Configuration Reference Guide</i>
<i>Intel® Omni-Path Fabric Managed Switches Release Notes</i>
<i>Intel® Omni-Path Fabric Externally-Managed Switches Release Notes</i>
<i>Intel® Omni-Path Host Fabric Interface Installation Guide</i>
Fabric Software Documents
<i>Intel® Omni-Path Fabric Software Installation Guide</i>
<i>Intel® Omni-Path Fabric Suite Fabric Manager User Guide</i>
<i>Intel® Omni-Path Fabric Suite FastFabric User Guide</i>
<i>Intel® Omni-Path Fabric Host Software User Guide</i>
<i>Intel® Omni-Path Fabric Suite Fabric Manager GUI Online Help</i>
<i>Intel® Omni-Path Fabric Suite Fabric Manager GUI User Guide</i>



Table 1-1. Related Documentation for this Release (Sheet 2 of 2)

Document Title
<i>Intel® Omni-Path Fabric Suite FastFabric Command Line Interface Reference Guide</i>
<i>Intel® Performance Scaled Messaging 2 (PSM2) Programmer's Guide</i>
<i>Intel® Omni-Path Fabric Performance Tuning User Guide</i>
<i>Intel® Omni-Path Host Fabric Interface Platform Configuration Reference Guide</i>
<i>Intel® Omni-Path Fabric Software Release Notes</i>
<i>Intel® Omni-Path Fabric Manager GUI Release Notes</i>
<i>Intel® Omni-Path Storage Router Design Guide</i>
<i>Building Lustre* Servers with Intel® Omni-Path Architecture Application Note</i>



2.0 System Issues

This section lists the resolved and known issues for the Intel® Omni-Path Fabric Managed Switches.

2.1 Resolved Issues

Table 2-1 lists the resolved issues for this release.

Table 2-1. Resolved Issues

ID	Description	Resolved in Release
131736	LDAP authentication can now be carried over an encrypted SSL channel	10.1
131934	Redundant FMs may fail to synchronize and may log <code>async</code> errors related to PM history redundancy.	10.1
132080	Added support for LDAPv3.	10.1
132486	The switch <code>killCliSession</code> of a console session no longer hangs	10.1
132520	Removing the user who is currently logged in locks up the switch.	10.1
132578	When multiple ports have Port Beaconsing turned on, LEDs synchronize flashing.	10.1
132778	The port values for SNMP Target Addresses no longer change after an Management Module failover.	10.1
132829	Director switch <code>fwupdatechassis</code> command results in image file with bad mode	10.1
132831	Director switch <code>fwupdatechassis</code> command does not update percent complete for management module(s).	10.1
132941	Added the following CLI commands for setting DNS parameters: <ul style="list-style-type: none"> <code>dnsParamsShow</code> <code>dnsParamsSet</code> 	10.1
133382	Entering <code>reboot all now</code> command from the master MM starts the reboot process, but the reboot sequence does not complete.	10.1
133424	Short Term History (STH) files created while running IFS 10.0.1 (PM History v5) can be read using IFS 10.1 (v6) and do not have to be deleted before running IFS 10.1. STH files from IFS 10.0.1 will remain in their old format and will be aged out like any normal STH file.	10.1
133425	Included an Image Interval counter in the PA <code>ImageInfo</code> query.	10.1
133578	SSH to the Edge switch should terminate (not hang) with the <code>CTRL+D</code> .	10.1
133801	<code>ismPortQsfpInfo</code> port names are missing the last character in the string.	10.1



2.2 Open Issues

Table 2-2 lists the known open issues for this release by component, including the description and workaround.

Table 2-2. Open Issues

ID/Status	Product/Component	Description	Workaround
130404	Switch Software/Chassis GUI	Edge switch does not provide a means to update the SSL/TLS certificate	None.
132341	Switch Hardware/Director Chassis	Spurious switch fan module I2C path error messages may be reported in the Command Line Interface (CLI) and diagnostic logs. These errors are caused by intermittent noise on the I2C signals going to fan modules.	Install firmware version 10.0.1 or later. Ignore spurious fan module I2C path error messages.
132617	Switch Fabric Management/Subnet Manager (SM)	The Fabric Manager <code>SwitchCascadeActivateEnable</code> configuration setting can leave IPoFabric in a non-working state for HFIs. This problem occurs when the <code>Sm.SwitchCascadeActivateEnable</code> setting in <code>opafm.xml</code> is enabled for all devices, and the Fabric Manager is restarted. The restarted SM never issues a client reregistration of SA subscriptions request to end nodes.	Change the default <code>Sm.SwitchCascadeActivateEnable</code> setting in <code>opafm.xml</code> to a value of 0.
132786	Switch Software/Chassis Management	Downgrading from the production validated (PV) release to release 10.0.0.0.625 (or earlier) fails.	Do not downgrade the firmware from the PV release.
133572	Switch Software/Embedded Subnet Manager (ESM)	The ESM has a memory leak.	Use the host-based subnet manager (HSM).
133933	Switch Software/Chassis GUI	Cannot enable individual port beacons	Use the CLI command <code>ismPortSetBeacon</code> to set the beacon for a port.

