

Intel[®] Omni-Path Fabric Managed Switches

Version 10.0.1 Release Notes

April 2016



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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:

- 48-port Intel® Omni-Path Edge Switch 100, internally managed
- 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.

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.q7.10.0.1.0.21.spkg

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

- Externally-managed edge: Intel_PRREdge_V1_firmware.10.0.1.0.21.emfw

1.7 Miscellaneous

None.

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>
<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>



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

Document Title
<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

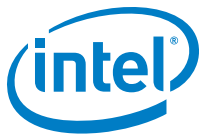
This section lists the resolved and known issues for the Intel® Omni-Path Fabric Managed Switches.

2.1 Resolved Issues

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

Table 2-1. Resolved Issues

ID	Description	Resolved in Release
132525	If you are running in a host subnet manager-embedded subnet manager configuration, a Virtual Fabric cannot run with a MaxMTU value of either 8192 or 10240. This causes checksum errors and forces one of the subnet mangages into an inactive state, even though the XML configurations appear to be valid.	10.0.1
132701	Director switches with redundant management may hang during firmware upgrade to release 10.0.0.0.686.	10.0.1
132707	dhcpcdisable no longer generates a pagefault	10.0.1
132711	Link Down and Error Recovery are now cleared correctly.	10.0.1
132800	In Chassis Viewer, the FRU information window does not display correct Manufacturer Date and Time information.	10.0.1
132838	Pre-production STF Fan Tray hardware may intermittently report I2C path errors to fan modules in the diagnostic logs. Such log entries should not be a cause for significant concern. Firmware handles these path errors gracefully without disruption to system functionality, and fan performance is not impaired.	10.0.1
133265	All links meeting Intel® Omni-Path bit error ratio (BER) performance requirements will now report a link quality of 5.	10.0.1



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
132617	Switch Fabric Management/ SM	Fabric Manager SwitchCascadeActivateEnable configuration setting can leave IPoB in a non-working state for HFIs. This problem occurs when the Sm.SwitchCascadeActivateEnable setting in opafm.xml is enabled for all devices, and the FM is restarted. The restarted SM never issues a client reregistration of SA subscriptions request to endnodes.	Change the default Sm.SwitchCascadeActivateEnable setting in opafm.xml 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.

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