

Intel[®] Omni-Path Fabric Externally-Managed Switches

Version 10.2.0.0.152 Release Notes

September 2016



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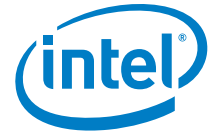
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1.0 Overview of the Release

1.1 Introduction

These Release Notes provide a brief overview of the changes introduced into the Intel® Omni-Path Fabric Externally-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 Externally-Managed Switches, contact your Intel representative.

1.4 Supported in this Release

The following items are supported for this release:

- Externally-managed 24-port Intel® Omni-Path Edge Switch 100
- Externally-managed 48-port Intel® Omni-Path Edge Switch 100

1.5 Product Constraints

- None

1.6 Installation Requirements

- The Intel® Omni-Path Fabric Suite FastFabric toolset needs to be installed to manage the externally-managed edge switch.



1.6.1 Changes to Firmware Components

The following firmware is supported in this release:

- Externally-managed edge:
Intel_PRREdge_V1_firmware.10.2.0.0.152.emfw

1.7 Miscellaneous

- Additional internal tracing has been added to the firmware to improve link error-related diagnostic capabilities.

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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
www.intel.com/omnipath/SwitchPublications
- Intel® Omni-Path Fabric Software Installation, User, and Reference Guides
www.intel.com/omnipath/FabricSoftwarePublications
- Drivers and Software (including Release Notes)
www.intel.com/omnipath/downloads

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> |
| <i>Intel® Omni-Path Host Fabric Interface Platform Configuration Reference Guide</i> |
| <i>Intel® Omni-Path Fabric Software Release Notes</i> |



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

| Document Title |
|---|
| <i>Intel® Omni-Path Fabric Manager GUI Release Notes</i> |
| <i>Intel® Omni-Path Storage Router Design Guide</i> |
| <i>Intel® Omni-Path Fabric Staging 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 Externally-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 |
|--------|--|---------------------|
| 134700 | Incorporate v0.47 of DC firmware into the Intel® Omni-Path Switch firmware build. | 10.2 |
| 134175 | Performance manager agent (PMA) port counters do not clear from the opapmaquery command. | 10.2 |
| 134176 | The PMA appears to be adding together transmit and receive replay counts when reporting local link integrity errors. | 10.2 |

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 |
|-----------|-------------------|---|--|
| 134000 | Switch Software | When AOCs are connected to externally-managed switches, links may come up at widths less than 4x. | Use the CLI command opaswitchadmin configure and set the LinkWidth.Enabled to 4x only. |

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