Quick Start Details

Thank you for your purchase of Intel® Omni-Path products. This Quick Start Guide is your roadmap to Intel's comprehensive library of publications describing all aspects of the product family.

This guide outlines the most basic steps for getting your Intel® Omni-Path Architecture (Intel® OPA) cluster installed and operational. For complete descriptions of all scenarios and configuration options, refer to the Intel® Omni-Path Documentation Library. Note that document references apply to Release 10.9 or later.

**BEST PRACTICESS**

- Intel recommends that users update to the latest versions of Intel® Omni-Path firmware and software to obtain the most recent functional and security updates.
- To improve security, the administrator should log out users and disable multi-user logins prior to performing provisioning and similar tasks.

1. Review all release notes related to your version of Intel® OPA.
2. Install host fabric interfaces HFI's in servers; install externally-managed and managed switches in racks; and, connect cabling.
   
   Details: Intel® Omni-Path Fabric Switches Hardware Installation Guide and Intel® Omni-Path Host Fabric Interface Installation Guide.

3. Power up all fabric hardware and verify LEDs operate as expected.
   
   Details: Intel® Omni-Path Fabric Switches Hardware Installation Guide and Intel® Omni-Path Host Fabric Interface Installation Guide.

   
   b. Fabric Host Software: Basic package for compute nodes.
   d. Switch Firmware *.spkg: for managed switches.
   e. Intel® Omni-Path Fabric Suite Fabric Manager GUI software.
   f. Open Fabrics Interfaces (OFI) Software for Intel® Omni-Path.

5. Install software and drivers using INSTALL script.
   
   Details: Intel® Omni-Path Fabric Software Installation Guide (for first time installers) or Intel® Omni-Path Fabric Setup Guide (for experienced installers).

6. Confirm firmware version (and optionally, update firmware) on the switches.
   

7. Configure the software by editing files for hosts, externally-managed switches (switches), and managed switches (chassis).

8. Reboot all servers after the software installation and configuration is complete.

9. Start Fabric Manager on the designated management node.


10. Use FastFabric commands to verify the fabric configuration.


11. You may need to update switch firmware, if the links are not active or the version is earlier than the current release. Reboot the switches after updating firmware.


12. Use the FastFabric tools to configure your system and monitor performance.


13. To optimize system performance, refer to the *Intel® Omni-Path Fabric Performance Tuning User Guide*.

**Intel® Omni-Path Documentation Library**

Intel® Omni-Path publications are available at the following URLs:

- Intel® Omni-Path Switches Installation, User, and Reference Guides
- Intel® Omni-Path Software Installation, User, and Reference Guides (includes HFI documents)
- Drivers and Software (including Release Notes)

Use the tasks listed in this table to find the corresponding Intel® Omni-Path document.

<table>
<thead>
<tr>
<th>Task</th>
<th>Document Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Setting up an Intel® OPA cluster</td>
<td><em>Intel® Omni-Path Fabric Setup Guide</em></td>
<td>Provides a high level overview of the steps required to stage a customer-based installation of the Intel® Omni-Path Fabric. Procedures and key reference documents, such as Intel® Omni-Path user guides and installation guides, are provided</td>
</tr>
</tbody>
</table>

**Key:**
Shading indicates the URL to use for accessing the particular document.

<table>
<thead>
<tr>
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<th>Document Title</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<td><strong>Document Title</strong></td>
</tr>
<tr>
<td></td>
<td>Installing hardware</td>
<td><strong>Intel® Omni-Path Fabric Switches Hardware Installation Guide</strong></td>
</tr>
<tr>
<td></td>
<td><strong>Intel® Omni-Path Host Fabric Interface Installation Guide</strong></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Installing host software</td>
<td><strong>Intel® Omni-Path Fabric Software Installation Guide</strong></td>
</tr>
<tr>
<td></td>
<td>Installing HFI firmware</td>
<td><strong>Intel® Omni-Path Fabric Switches GUI User Guide</strong></td>
</tr>
<tr>
<td></td>
<td>Installing switch firmware (externally-managed switches)</td>
<td><strong>Intel® Omni-Path Fabric Switches Command Line Interface Reference Guide</strong></td>
</tr>
<tr>
<td></td>
<td>Managing a switch using FastFabric</td>
<td><strong>Intel® Omni-Path Fabric Suite FastFabric User Guide</strong></td>
</tr>
<tr>
<td></td>
<td>Managing a switch using the CLI</td>
<td><strong>Intel® Omni-Path Fabric Suite Fabric Manager User Guide</strong></td>
</tr>
<tr>
<td></td>
<td>Configuring and administering Intel® HFI and IPoIB driver applications on Intel® OPA</td>
<td><strong>Intel® Omni-Path Fabric Host Software User Guide</strong></td>
</tr>
<tr>
<td></td>
<td>Writing and running middleware that uses Intel® OPA</td>
<td><strong>Intel® Performance Scaled Messaging 2 (PSM2) Programmer’s Guide</strong></td>
</tr>
</tbody>
</table>

continued...
## How to Search the Intel® Omni-Path Documentation Set

Many PDF readers, such as Adobe* Reader and Foxit* Reader, allow you to search across multiple PDFs in a folder.

Follow these steps:
1. Download and unzip all the Intel® Omni-Path PDFs into a single folder.
2. Open your PDF reader and use **CTRL-SHIFT-F** to open the Advanced Search window.
3. Select **All PDF documents in...**
4. Select **Browse for Location** in the dropdown menu and navigate to the folder containing the PDFs.
5. Enter the string you are looking for and click **Search**.

Use advanced features to further refine your search criteria. Refer to your PDF reader Help for details.

## Training and Support

Intel offers training and support for Intel® Omni-Path products. For details, go to:
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