

Intel® True Scale Fabric Suite Fabric Viewer

Release Notes

January 2015



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

Intel disclaims all express and implied warranties, including without limitation, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement, as well as any warranty arising from course of performance, course of dealing, or usage in trade.

This document contains information on products, services and/or processes in development. All information provided here is subject to change without notice. Contact your Intel representative to obtain the latest forecast, schedule, specifications and roadmaps.

The products and services described may contain defects or errors which may cause deviations from published specifications.

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.

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

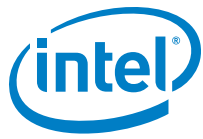
*Other names and brands may be claimed as the property of others.

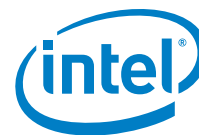
Copyright © 2015, Intel Corporation. All rights reserved.



Contents

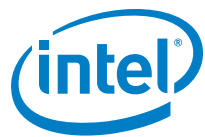
1.0 Overview of the Release	7
1.1 Introduction	7
1.2 Audience.....	7
1.3 If You Need Help	7
1.4 New Features and Enhancements	7
1.4.1 Release 7.3.1 Features.....	7
1.4.2 Release 7.2 Features	7
1.4.3 Release 7.1 Features	8
1.5 Operating Environments Supported	8
1.6 Web Browsers Supported	9
1.7 Hardware Supported.....	9
1.8 Installation Requirements.....	9
1.9 Changes for this Release	9
1.9.1 Changes to Hardware Support.....	10
1.9.2 Changes to Software Components	10
1.9.3 Changes to Industry Standards Compliance	10
1.10 Product Constraints	10
1.11 Product Limitations.....	10
1.12 Other Information	10
1.13 Documentation	10
2.0 System Issues for Release 7.3.1	13
2.1 Introduction	13
2.2 Resolved Issues in this Release	13
2.3 Known Issues	14
2.3.1 Open Issues Table.....	14

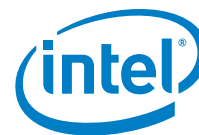




Tables

1-1 Operating Environments Supported	8
1-2 CPU Model of Linux Kernel.....	8
1-3 Hardware Supported	9
1-4 Changes to Hardware Support	10
1-5 Changes to Software Component Support	10
1-6 Related Documentation for this Release	11
2-1 Resolved Issues.....	13
2-2 Open Issues	14





1.0 Overview of the Release

1.1 Introduction

These Release Notes provide a brief overview of the changes introduced into the Intel® True Scale Fabric Suite Fabric Viewer by this release. 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 of the release, as well as the system issues that were closed in the development of Release 7.3.1.0.3.

1.2 Audience

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

1.3 If You Need Help

If you need assistance while working with Fabric Viewer, contact your Intel® approved reseller or Intel® True Scale Technical Support:

- By E-mail:
ibsupport@intel.com
- On the Support tab at web site:
<http://www.intel.com/truescale>

For OEM-specific server platforms supported by this release, contact your OEM.

1.4 New Features and Enhancements

The new features and enhancements added since Release 7.3 and the two previous releases are listed below.

1.4.1 Release 7.3.1 Features

- Added support for Windows* 8.1
- Updated browser support. Refer to [Section 1.6, "Web Browsers Supported" on page 9](#).

1.4.2 Release 7.2 Features

- Support for Windows 8.
- Branding for Intel has been incorporated in this release.



1.4.3 Release 7.1 Features

- Mozilla Firefox* 3.5.9 (for SLES* 11 SP1)
- Mozilla Firefox 3.6 and 8 are supported for all supported Linux* distributions.
- Mozilla Firefox 9 is supported for all supported Linux distributions except SLES 10 SP4.
- Mozilla Firefox 10 is supported for SLES 11 SP2.

1.5 Operating Environments Supported

The Release 7.3.1 version of Fabric Viewer supports the Operating Systems listed in [Table 1-1](#).

Table 1-1. Operating Environments Supported

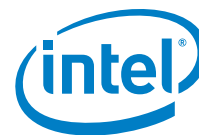
Operating System	Update/ SP	Version
RHEL 6 X86_64 (AMD Opteron and Intel EM64T)	Update 4	2.6.32-358.el6.x86_64
	Update 5	2.6.32-431.el6.x86_64
	Update 6	2.6.32-504.el6.x86_64
RHEL 7 X86_64 (AMD Opteron and Intel EM64T)		3.10.0-123.el7.x86_64
SLES 11 X86_64 (AMD Opteron and Intel EM64T)	SP2	3.0.13-0.27-default
	SP3	3.0.76-0.11-default
Community Enterprise Operating System (CentOS) X86_64 (AMD Opteron and Intel EM64T) (6.x)	Update 6.4	2.6.32-358.el6.x86_64
	Update 6.5	2.6.32-431.el6.x86_64
	Update 6.6	2.6.32-504.el6.x86_64
Community Enterprise Operating System (CentOS) X86_64 (AMD Opteron and Intel EM64T) (7.x)		3.10.0-123.el7.x86_64
Scientific Linux X86_64 (6.x)	Update 6.4	2.6.32-358.el6.x86_64
	Update 6.5	2.6.32-431.el6.x86_64
	Update 6.6	2.6.32-504.el6.x86_64
Scientific Linux X86_64 (7.x)		3.10.0-123.el7.x86_64
StackIQ Cluster Manager (Rocks+) HPC 3.1	RHEL 6.4	2.6.32-358.el6.x86_64
	CentOS 6.4	2.6.32-358.el6.x86_64
StackIQ Cluster Manager (Rocks+) HPC 3.2.1	RHEL 6.5	2.6.32-431.el6.x86_64
	CentOS 6.5	2.6.32-431.el6.x86_64
Platform HPC-4.1.1.1	RHEL 6.4	2.6.32-358.el6.x86_64
	RHEL 6.5	2.6.32-431.el6.x86_64

CPU model of Linux kernel can be identified by `uname -m` and `/proc/cpuinfo` shown in [Table 1-2](#)

Table 1-2. CPU Model of Linux Kernel

Model	uname	/proc/cpuinfo
EM64T	x86_64	Intel CPUs
Opteron*	x86_64	AMD CPUs

Note: Other combinations (such as i586 uname) are not currently supported.



1.6 Web Browsers Supported

The following supported web browsers can be used to access the Fabric Viewer applet in this release:

- Windows Internet Explorer version 9.0 (for Windows 7)
- Windows Internet Explorer version 10.0 (for Windows 8)
- Windows Internet Explorer version 11.0.9 (for Windows 8.1)
- Mozilla Firefox latest version (for Windows XP and Windows 7)
- Mozilla Firefox version 10 (for RHEL 6.4, and SLES11 SP2)
- Mozilla Firefox version 17.0.10 (RHEL 6.5)
- Mozilla Firefox version 17 (for SLES11 SP3, CentOS* 6.4 and 6.5, Scientific Linux 6.4 and 6.5)
- Mozilla Firefox version 24.5.0 (for RHEL 7)
- Mozilla Firefox version 31 (for RHEL 6.6)

1.7 Hardware Supported

Table 1-3 list the hardware supported in this release.

Table 1-3. Hardware Supported

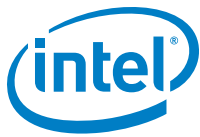
HCA's
QLE7340
QLE7342
QME7342
QME7362
MHQH29-*
MHQH19-*
MHQH19B-XTR
MHQH29B-XTR
MHQH29B-XSR
MCX354A-QCAT
MCX353A-QCAT
NC543i (HP SL390 G7 in-built InfiniBand Host Channel Adapter)
CX-3 LOM down QDR
46M2199
46M2203

1.8 Installation Requirements

There are not any special or release-specific installation requirements for this release.

1.9 Changes for this Release

The following sections describe the changes that have been made to the Intel® True Scale Fabric Suite Fabric Viewer between versions 7.3.0.0.5 and 7.3.1.0.3.



For detailed information about any of the previous releases listed, refer to the Release Notes from that specific version.

1.9.1 Changes to Hardware Support

Table 1-4 shows the new hardware supported for the releases listed.

Table 1-4. Changes to Hardware Support

Release	Supported Hardware Added
7.3.1.0.3	None
7.3.0.0.5	None
7.2.2.0.2	None

1.9.2 Changes to Software Components

Table 1-5 shows the new software components supported for the releases listed.

Table 1-5. Changes to Software Component Support

Release	Supported Software Added or Changed
7.3.1.0.3	Intel® True Scale Fabric Suite Fabric Viewer Software Intel® True Scale Fabric Suite Fabric Viewer Applet Software
7.3.0.0.5	Intel® True Scale Fabric Suite Fabric Viewer Software Intel® True Scale Fabric Suite Fabric Viewer Applet Software
7.2.2.0.2	Intel® True Scale Fabric Suite Fabric Viewer Software Intel® True Scale Fabric Suite Fabric Viewer Applet Software

1.9.3 Changes to Industry Standards Compliance

None.

1.10 Product Constraints

The following is a list of product constraints for this release:

- None

1.11 Product Limitations

There are no product limitations for this release.

1.12 Other Information

There is no “need to know” information for this release.

1.13 Documentation

Table 1-6 lists the end-user documentation for the current release. All related documentation is available on the Intel® download site.

Documentation for Intel® Partners is available at the vendors web site.

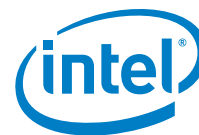


Table 1-6. Related Documentation for this Release

Document Title
Intel® Hardware Documents
<i>Intel® True Scale Fabric Switches 12000 Series Hardware Installation Guide</i>
<i>Intel® True Scale Fabric Switches 12000 Series Users Guide</i>
<i>Intel® True Scale Fabric Switches 12000 Series CLI Reference Guide</i>
<i>Intel® True Scale Fabric Adapter Hardware Installation Guide</i>
Intel® OFED+ Documents
<i>Intel® True Scale Fabric Software Installation Guide</i>
<i>Intel® True Scale Fabric OFED+ Host Software User Guide</i>
<i>Intel® True Scale Fabric OFED+ Host Software Release Notes</i>
Intel® IFS Documents
<i>Intel® True Scale Fabric Suite FastFabric User Guide</i>
<i>Intel® True Scale Fabric Suite Fabric Manager User Guide</i>
<i>Intel® True Scale Fabric Suite FastFabric Command Line Interface Reference Guide</i>
<i>Intel® True Scale Fabric Suite Software Release Notes</i>
Intel® Fabric Viewer Documents
<i>Intel® True Scale Fabric Suite Fabric Viewer Online Help</i>
<i>Intel® True Scale Fabric Suite Fabric Viewer Release Notes</i>





2.0 System Issues for Release 7.3.1

2.1 Introduction

This section provides a list of the resolved Issues in the Intel® True Scale Fabric Suite Fabric Viewer that were verified by this release. It also lists the open Issues with a description and workaround for each.

2.2 Resolved Issues in this Release

Table 2-1 is a list of issues that are resolved in this and the previous two releases.

Table 2-1. Resolved Issues

Product	Release	Description
IFS/ Fabric Viewer	7.2.1.1.31	A Digital Signature error no longer appears when launching the Fabric Viewer applet through the Platform HPC GUI.



2.3 Known Issues

The subsections below describe the known open issues for this release, including a description and workaround.

2.3.1 Open Issues Table

Table 2-2 is the list of open issues for Release 7.3.1.

Table 2-2. Open Issues

Product/ Component	Description	Workaround
IFS/ Fabric Viewer	Cannot edit multiple Intel® True Scale Fabric Suite Fabric Manager configurations from one Edit Virtual Fabric window.	1) Add a subnet in Fabric Viewer for each Fabric Manager whose configuration they need to edit. 2) Connect to each subnet, open the Edit Virtual Fabric dialog and make the changes to each Fabric Manager configuration.
IFS/ Fabric Viewer	When a Fabric Manager failover occurs, the Fabric Viewer does not connect to the slave Fabric Manager. A popup message stating "Connection to FE lost" appears and the subnet is disconnected.	Make sure the Intel® True Scale Fabric Suite Fabric Manager is running and reconnect it to the subnet.
IFS/ Fabric Viewer	When the Fabric Viewer is connected to a slave Fabric Manager on the fabric the following error message appears The host being connected to is NOT the master SM in the fabric When the Fabric Viewer is not connected to the master Fabric Manager, changes made by the Fabric Viewer in the slave Fabric Manager will not take affect fabric-wide.	Reconnect the Fabric Viewer to the Master Fabric Manager.
IFS/ Fabric Viewer	With the 7.0 release, when using the Fabric Viewer applet on a client machine, the user can store configuration information, user preferences and event rules information in the user home directory on the client machine that is being used at that time instead of on the Platform HPC node. This information can not shared with other workstations and therefore the user has to add everything again if the are using a different workstation	To use another workstation, copy all of the configuration related files stored in the user home directory from the client machine that was being used, and paste it on the workstation that will be used.
IB Fabric Manager/ Embedded SM	Fabric Viewer does not recognize when an InfiniBand single link becomes a dual link, or when dual link becomes a single link.	Refresh Fabric Viewer to get the current topology information.

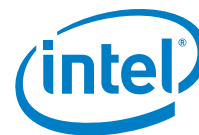


Table 2-2. Open Issues (Continued)

Product/ Component	Description	Workaround
IFS/ Fabric Viewer	In the View Performance window, the transmit and receive packet numbers do not match the transmit and receive packet numbers in the FastFabric iba_top application.	The Fabric Manager's PM sweep rate must be adjusted to match the internal graphing rate of the Fabric Viewer. To accomplish this set the ifs_fm.xml file's Pm.SweepInterval parameter to 3 seconds.
IFS/ Fabric Viewer	When performing a Virtual Fabric operation and saving the changes, a java error may occur when using the Fabric Viewer applet in a FireFox 5.0 web browser.	Use FireFox 3.6.
IFS/ Fabric Viewer	Fabric Viewer shows Link Speed Supported as 0 on the QMH7342 switch.	To see the correct link speed supported, right click the node and select Manage Chassis , select Port Stats , then select IB Port Stats from the Chassis context menu.
IFS/ Fabric Viewer	If Mozilla Firefox is not set as your default browser on Linux machines, the manage chassis option will not work from Fabric Viewer.	Right click the switch that you want to manage and select View Properties . The General tab will have an IP address for that switch. Copy and paste the address into your web browser.
IFS/Fabric Viewer	Internet Explorer 10 on Windows 8 is unable to launch Fabric Viewer	Steps: 1. Login to PCM 4.1.1.1 2. Launch Fabric Viewer
IFS/Fabric Viewer	Fabric Viewer with JRE 7 update greater 50 will not launch due to tight security changes in Java version starting from update 50.	Use jre 1.7.0 update 45 and below.
IFS/Fabric Viewer	Manage Chassis is not able to launch the web browser from fabric Viewer.	Using Firefox in the Configure/User Preferences/Web Command launches the browser successfully.
IFS/Fabric Viewer	Close ("X") option is missing.	Use the applet-supported Cancel/OK .
IFS/Fabric Viewer	The Baseboard tab for a Director class spine/leaf is grayed out in View Properties .	Use Chassis Viewer or the switch CLI to display the required information.
IFS/Fabric Viewer	Manage Chassis for a Director class spine/leaf is grayed out.	Use Chassis Viewer or the switch CLI to manage the chassis.

