

# True Scale Fabric Suite Fabric Viewer

## Release Notes

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*July 2014*



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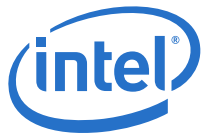




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## 1.0 Overview of the Release

### 1.1 Introduction

These Release Notes provide a brief overview of the changes introduced into the Intel® 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 7.3.0.0.5.

### 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](mailto: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 7.2 and the two previous releases are listed below.

#### 1.4.1 Release 7.3 Features

- 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.



#### **1.4.4 Release 7.0.1 Features**

- 64-bit counter support has been added to the Fabric Viewer.

#### **1.4.5 Release 7.0 Features**

- The new Dashboard view is added for this release. The Dashboard view is the default view on the right-hand side of the window when a Subnet is connected in Fabric Viewer. The Dashboard view is available for each subnet that is connected. The Dashboard view is integrated into the existing Fabric Viewer environment, and presents the following in real time:
  - Fabric wide low, average, and high bandwidth between links
  - Fabric wide low, average, and high packet rate between links
  - Fabric wide congestion, routing, signal integrity, sma congestion, and security errors on worst ports
  - Statistics Summary panel is a list of statistics retrieved from the image summary information
- The Fabric Viewer applet is the Web browser based Fabric Viewer. The Fabric Viewer applet is only available when choosing to install the Intel® True Scale Fabric Suite Software (IFS) kit into a cluster being provisioned by Platform Cluster Manager (PCM), the cluster management product from Platform Computing. When the IFS kit is installed into the cluster, the applet is integrated with the PCM's GUI. To launch the Fabric Viewer applet, the PCM GUI must be launched in a browser. Once the PCM GUI is loaded, the user can click on the Common Tasks button and select the Fabric Viewer option from the drop down menu. The Fabric Viewer is launched in a new browser window or tab. The Fabric Viewer applet is used exactly the same as the Fabric Viewer stand-alone application.



## 1.5 Operating Environments Supported

The Release 7.3 version of Fabric Viewer supports the Operating Systems listed in [Table 1](#).

**Table 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
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)	Update 6.4	2.6.32-358.el6.x86_64
	Update 6.5	2.6.32-431.el6.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
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 2](#)

**Table 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)
- 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)



## 1.7 Hardware Supported

Table 3 list the hardware supported in this release.

**Table 3. Hardware Supported**

HCA's
QLE7340
QLE7342
QME7342
QME7362
MHQB29-*
MHQB19-*
MHQB19B-XTR
MHQB29B-XTR
MHQB29B-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 7.2.2.0.2 and 7.3.0.0.5.

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

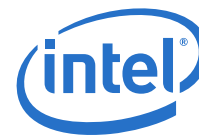
Table 4 shows the new hardware supported for the releases listed.

**Table 4. Changes to Hardware Support**

Release	Supported Hardware Added
7.3.0.0.5	None
7.2.2.0.2	None

### 1.9.2 Changes to Software Components

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

**Table 5. Changes to Software Component Support**

Release	Supported Software Added or Changed
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 lists the Release 7.3 related documentation. All related documentation is available on the Intel® download site.

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

**Table 6. Related Documentation for this Release**

Document Title
<b>Intel® Hardware Documents</b>
<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>
<b>Intel® OFED+ Documents</b>
<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>
<b>Intel® IFS Documents</b>
<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>



**Table 6. Related Documentation for this Release (Continued)**

Document Title
<b>Intel® Fabric Viewer Documents</b>
Intel® True Scale Fabric Suite Fabric Viewer Online Help
Intel® True Scale Fabric Suite Fabric Viewer Release Notes



## 2.0 System Issues for Release 7.3

### 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 7 is a list of issues that are resolved in this and the previous two releases.

**Table 7. 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 8 is the list of open issues for Release 7.3.

**Table 8. 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 <b>Edit Virtual Fabric</b> 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 be shared with other workstations and therefore the user has to add everything again if they 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.
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.



Table 8. Open Issues (Continued)

Product/ Component	Description	Workaround
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 <b>Manage Chassis</b> , select <b>Port Stats</b> , then select <b>IB Port Stats</b> 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 <b>View Properties</b> . The <b>General</b> 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	<b>Manage Chassis</b> is not able to launch the web browser from fabric Viewer.	Using <b>Firefox</b> in the <b>Configure/User Preferences/Web Command</b> launches the browser successfully.
IFS/Fabric Viewer	Close ("X") option is missing.	Use the applet-supported <b>Cancel/OK</b> .
IFS/Fabric Viewer	The <b>Baseboard</b> tab for a Director class spine/leaf is grayed out in <b>View Properties</b> .	Use Chassis Viewer or the switch CLI to display the required information.
IFS/Fabric Viewer	<b>Manage Chassis</b> for a Director class spine/leaf is grayed out.	Use Chassis Viewer or the switch CLI to manage the chassis.

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