



Brocade Fabric Manager 3.0.2c

Release Notes

May 2, 2003

Copyright © 2003, Brocade Communications Systems, Incorporated.

ALL RIGHTS RESERVED.

BROCADE, the Brocade B weave logo, Brocade: the Intelligent Platform for Networking Storage, SilkWorm, and SilkWorm Express, are trademarks or registered trademarks of Brocade Communications Systems, Inc. or its subsidiaries in the United States and/or in other countries. All other brands, products, or service names are or may be trademarks or service marks of, and are used to identify, products or services of their respective owners.

FICON® is a registered trademark of IBM Corporation in the US and other countries.

Notice: The information in this document is provided “AS IS,” without warranty of any kind, including, without limitation, any implied warranty of merchantability, noninfringement or fitness for a particular purpose. Disclosure of information in this material in no way grants a recipient any rights under Brocade's patents, copyrights, trade secrets or other intellectual property rights. Brocade reserves the right to make changes to this document at any time, without notice, and assumes no responsibility for its use.

The authors and Brocade Communications Systems, Inc. shall have no liability or responsibility to any person or entity with respect to any loss, cost, liability, or damages arising from the information contained in this book or the computer programs that accompany it.

Notice: The product described by this document may contain “open source” software covered by the GNU General Public License or other open source license agreements. To find-out which open source software is included in Brocade products, view the licensing terms applicable to the open source software, and obtain a copy of the programming source code, please visit <http://www.brocade.com/support/oscd>.

Export of technical data contained in this document may require an export license from the United States Government.

TABLE OF CONTENTS

General Information	4
Overview	4
About This Release	4
Installing/Upgrading	4
Technical Support	4
New Features and Enhancements	5
V3.0.2	5
V3.0.1	5
V3.0	6
Requirements and Compatibility	6
Switch Requirements	7
Workstation Requirements	7
Integrating Fabric Manager with VERITAS SANPoint Control 2.1	8
Limitations	8
V3.0.2	8
V3.0	9
Implemented RFEs	9
Open Defects	10
Defects Closed in Fabric Manager v3.0.2c	13
Cumulative Defects Closed Since Fabric Manager v3.0.2	14

General Information

Overview

Brocade Fabric Manager is an optionally licensed product, and requires a valid license key to function. It is supported for the SilkWorm 2000 series of switches, the SilkWorm 3200, the SilkWorm 3800, SilkWorm 3900, SilkWorm 6400, and SilkWorm 12000 switches using Fabric OS v2.2 or later.

Fabric Manager provides a graphical interface that allows an administrator to monitor and manage an entire fabric from a standard workstation. Fabric Manager can be used to manage fabrics containing integrated fabrics, in addition to individual SilkWorm switches.

Fabric Manager 3.0.2c is installed on the workstation, and can be used to manage any SilkWorm switches that have Fabric OS v2.6.1/3.1/4.1 (or later) installed. All switches in the fabric are represented in the main window of Fabric Manager, but only those with a Web Tools license can be managed through Fabric Manager.

Note: This release note includes a brief description of the new features and enhancements made in Fabric Manager v3.0.2 and subsequent patch releases. For detailed information on the items included in this release note, refer to the *Fabric Manager User's Guide*. The information in this release note supersedes any information found in other Fabric Manager documentation.

About This Release

Fabric Manager v3.0.2c is a patch release that addresses issues found during compatibility testing with Fabric OS v2.6.1/3.1/4.1. This release contains no added features or functionality.

This patch is required if you want to use Fabric Manager to manage a Fabric OS v2.6.1/3.1/4.1 environment.

Installing/Upgrading

Before you install or upgrade Fabric Manager, you must first perform the following steps:

1. Install one of the supported web browsers on the workstation, if it is not already installed.
2. Configure the web browser for use with Fabric Manager.
3. Install the required Java Plug-in on the workstation, if it is not already installed.
4. Install a Web Tools license on each switch to be managed from Fabric Manager.
5. Install Fabric Manager on the computer to be used as a workstation.

Specific instructions for these installation and configuration steps are provided in the *Fabric Manager User's Guide*.

For specific switch and workstation requirements, refer to Switch Requirements on page 7 or Workstation Requirements on page 7.

Note: If you must reinstall Fabric Manager, installing to the same location is recommended. If Fabric Manager is installed to more than one location on the same computer, the uninstaller can locate and uninstall only the most recent installation.

Technical Support

Contact your switch supplier for technical support. This includes software support, hardware support, product repairs, and ordering spare components. Be prepared to provide the following information to support personnel:

- Switch serial number
- Switch worldwide name (use the **switchShow** telnet command)

- Topology configuration (use the **topologyShow** telnet command)
- Output from the **supportShow** telnet command
- Detailed description of the problem
- Fabric OS and Java versions installed on the workstation
- Fabric Manager logs
- Troubleshooting steps already performed

Note: For detailed information on telnet commands, refer to the *Brocade Fabric OS Reference*.

New Features and Enhancements

V3.0.2

The following new feature is in the Fabric Manager v3.0.2 release:

Renaming Fabrics and Logical Groups

You can rename a fabric or logical group by any of the following methods:

- Triple click on the fabric or logical group name in the tree node.
- Select a fabric or logical group name in the tree by clicking on it once. Then click again and hover the mouse over the fabric or logical group name for 2 seconds.
- Right-click on the fabric or logical group name in the tree node to bring up the pop-up menu. Then select Rename from the pop-up menu.

Note: The renaming methods only work if the tree node display selector is set to display Name.

V3.0.1

The following enhancements are included in the Fabric Manager v3.0.1 release:

Trunking with ISL Checking

Interpreting Event Messages With Trunks

The following event type is displayed when the master link (whole trunk) and all of the member links have gone down.

Example:

```
ISL Removed: Trunk - Domain 1 Port 2 <-> Domain 2 Port 5
```

The following event type is seen when an individual link in the trunk has dropped, and the trunk is now smaller. In the following example, port 6 has dropped and the entire trunk is smaller.

Example:

```
ISL Removed: Trunk capacity has changed for link
```

```
Trunk- Domain 1 Port 2 <-> Domain 2 Port 5 : Port 6 was lost
```

The following event type is seen when an individual link in the trunk is added, and the trunk is now larger. In the following example, port 6 has been added and the entire trunk is larger.

Example:

```
ISL Removed: Trunk capacity has changed for link
```

```
Trunk- Domain 1 Port 2 <-> Domain 2 Port 5 : Port 6 was added
```

Note: You will only see the above example for an added port if the “Incorporate Adds” feature is disabled.

V3.0

The new features and enhancements for the Fabric Manager v3.0 release are listed below. For detailed information, refer to the *Brocade Fabric Manager User’s Guide*.

Improved Scalability

Fabric Manager is highly scalable and can manage up to eight fabrics and 200 switches in real-time.

A Single Console Global SAN Management Platform

Fabric Manager dynamically collects (in real-time) all Brocade SAN fabric elements and portrays them within a single console, allowing intuitive iconic and explorer tree operations.

Fully Controllable Sequenced and Timed Reboot

Fabric Manager provides a flexible environment for controlling the availability of fabric switches. The ability to control switch availability is tightly controlled using logical groupings and global password control.

Firmware Download to Multiple Switches

The Firmware Download feature is dynamically configurable and scalable across logical groups, password controls, multiple fabrics, and multi-personality security SAN infrastructures. When used with the Sequenced Reboot functionality, it provides a fully configurable environment to SAN administrators for controlling the Brocade Fabric OS firmware download process.

Advanced License Key Management

Fabric Manager provides a powerful environment to manage Brocade license keys across all SAN fabrics under its control. Fabric Manager can receive licenses from Brocade support (via e-mail), enabling the user to perform pre and post installation cross-checking of License keys. License management is fully integrated to all advanced features, particularly Security, Groups, and Password Control.

Configuration Control Through Intelligent Baseline Profiling

This function allows SAN managers to capture a detailed, customizable profile of a switch within any fabric. Once the snapshot has been acquired, it can be stored in any user definable location, external Configuration Control Database, or Management Framework. At any point in time, a static profile can be reviewed and analyzed against an active fabric or switch within a SAN.

Enhanced Merge Control

The Enhanced Merge Control feature is used by storage area network administrators to control the merging details of SAN management through the Fabric Manager multi-fabric platform. When merging fabrics and zones within fabrics, Fabric Manager delivers a detailed transaction report of the proposed zone merge operation that identifies any inconsistencies or underlying issues that may exist within the topology or operation.

ISL Monitoring

The ISL Monitoring feature is used to record and monitor the ISL configuration for a fabric.

Requirements and Compatibility

The switches and the computer workstation used to manage the switches must both meet specific requirements for the correct installation and operation of Fabric Manager, as follows.

Switch Requirements

Fabric Manager can be used to manage SilkWorm switches that meet the following requirements:

- In the SilkWorm 2xxx family: SilkWorm 2010, 2040, 2050, 2100, 2210, 2240, 2250, 2400, 2800
- In the SilkWorm 3xxx family: SilkWorm 3200, 3800, 3900
- SilkWorm 6400
- SilkWorm 12000
- Web Tools license installed
- Fabric OS v2.2 or later

Note: Fabric Manager can be used to manage switches with earlier versions of Fabric OS, but status and event information will not be available.

Workstation Requirements

The following items are required to install and operate Fabric Manager on a computer workstation:

Operating System

One of the following operating systems:

- Windows 2000
- Windows NT 4.0
- Solaris v2.7 and later

Note: For instructions on installing and configuring the Solaris system, refer to the Fabric Manager User's Guide.

Memory

- 128 MB of RAM for fabrics of 21 switches or less
- 256 MB of RAM for fabric containing more than 21 switches

Disk Space

- 30 MB minimum free disk space

Web Browser

One of the following web browsers:

- Netscape Communicator 4.51 or later
- Internet Explorer 4.01 or later

Note: The browser must be specifically configured to work with Fabric Manager. For more information, refer to the *Fabric Manager User's Guide*.

Windows Plug-ins

- Java™ Plug-in v1.2.2-007

Solaris Plug-ins

- Solaris Plug-in is v1.2.2_02

For instructions on installing the Java™ plug-in on the workstation, refer to the *Fabric Manager User's Guide*.

Integrating Fabric Manager with VERITAS SANPoint Control 2.1

Fabric Manager can be launched from SANPoint Control 2.1 by performing the following steps:

1. Locate the **icontext.xml** file from the following folder:

Program Files\VERITAS\SANPoint Control\console

Add the following text to the **icontext.xml** file.

```
<Launch app="Brocade Fabric Manager"
      menu="Brocade Fabric Manager"
      accel="B"
      enabled="true"
      nthome="C:\Program Files\Fabric Manager"
      solhome=" "
      phome=" ">

  <LaunchObject type="BROCADE_SWITCH"
    ntcmd="%nthome\Fabric Manager.exe -url $HTTP IP Address$"
    solcmd=" "
    hpcmd=" ">

  </LaunchObject>

  <LaunchObject type="BROCADE_PORT"
    ntcmd="FabricManager.exe http://$PARENT HTTP IP
Address$/port#$PortNumber$"
    solcmd=" "
    hpcmd=" ">

  </LaunchObject>

</Launch>
```

2. Save the **icontext.xml** file and restart the SANPoint Control server to incorporate the change.
3. Once the server is restarted, right-click on a Brocade switch in VERITAS SANPoint Control to launch Brocade Fabric Manager v3.0.2 and load the fabric associated with that switch.

Limitations

V3.0.2

The limitations for Fabric Manager v3.0.2 are the same as listed below for Fabric Manager v3.0, in addition to the following:

Trunking with ISL Checking

ISL Checking has the following limitations when used with Trunking:

- ISL Checking monitors when an ISL is in a trunk or not, but does not detect when an ISL in a trunk moves ports.
- ISL Checking does not monitor Fabric OS versions for trunk polling. Therefore, if a Fabric OS version does not need to be polled when the fabric is initially discovered, then it is not polled even when the Fabric OS version has been changed. Once you quit the Fabric Manager session, and launch a new Fabric Manager session, the new Fabric OS version will be polled.
- When Fabric Manager is first launched, allow a few minutes before Trunking information reports in before ISL stamping the fabric.

- Since Trunking information is synchronized, a checker may get trunk updates from one switch at a different time from another connected switch, and the checker may show different Trunking states for a poll.
- Brocade recommends disabling ISL Trunking while performing extensive re-configuring of the trunks.

V3.0

ISL Checking

ISL Checking requires Fabric OS v2.6 or higher to be running on the launch switch. This feature will be grayed out if the launch switch is running a version of Fabric OS prior to v2.6 (even if switches under the launch switch are running a new version of Fabric OS).

Switch Status Reason Field

The Switch Status Reason field in Fabric or Switch Events window requires Fabric OS v2.5 to function.

Security Admin

Security Admin feature requires Secure Fabric OS and Fabric OS v2.6.

Set Time

Set Time feature requires Fabric OS v2.3 or greater.

Configuration Control

Configuration control feature does not support RSH protocol, only FTP protocol.

Implemented RFEs

The following table contains a list of Requests For Enhancements (RFEs) that were implemented in Fabric Manager v3.0.2c.

Implemented RFEs					
RFE ID	Priority	Problem Area	Found in Release	Fixed in Release	Description of RFE
RFE000000001977	Medium	Web Management	v2.4.0	fm3.0_rc3	The GUI should have the ability to group switches.
RFE000000001936	Medium	Fabric Manager	fm1.0_beta3	fm3.0_rc3	Fabric Manager should handle multiple fabrics.
RFE000000001935	Low	Fabric Manager	fm1.0_beta2	fm3.0_rc3	Add a "connect" message to the Fabric Log when a new connection is made.
RFE000000001660	Medium	Web Management	v2.1.7	v2.2.2_rc1	Perform an initial improvement to be able to display groups of switches as a single entity in the Fabric View page, then be able to click on it to get another Fabric View page with those grouped switches. The desire is to have a group of backbone switches acting as a single switch, and still be able to have edge switches displayed in the fabric.

Implemented RFEs					
RFE ID	Priority	Problem Area	Found in Release	Fixed in Release	Description of RFE
RFE000000001625	Low	Firmware Download	v2.1.4a	fm3.0_rc3	Would like a way to do fabric wide firmware upgrades to all switches in a fabric for enhanced management of a meshed fabric.

Open Defects

The following table lists the defects that are open in Fabric Manager v3.0.2c.

Open Defects			
Defect ID	Priority	Found in Release	Description
DEFECT11272	Medium	fm3.0.1_rc7	Cannot activate security policy changes using the baseline feature. Workaround: When using the baseline feature to apply security policy changes, you must make a change to the defined policy set through the Security Admin window before the defined policy set may be activated.
DEFECT11296	Medium	fm3.0.1_rc7	Intermittently, Fabric Manager may stop polling a switch if the switch is rebooted.
DEFECT11796	Medium	fm3.0.1_rc10	Certain 4.0 Ulysses versions cause errors from CP or blower removal. The error takes minutes to update, even after the problem has been fixed.
DEFECT11976	Medium	fm3.0.1_rc10	Fabric Merge Check feature doesn't flag a segmentation problem that would be due to mismatched virtual channel parameters.
DEFECT11977	Medium	fm3.0.1_rc10	Fabric Merge Check feature doesn't flag a segmentation problem that would be due to versions of firmware that have stored sequenced level switching values by different names.
DEFECT12006	Medium	fm3.0.1_rc10	Rename Fabric/Create Group with certain characters causes Fabric Manager to freeze when Importing persisted data. Characters that cause this problem are: & , ' , and "
DEFECT12056	Medium	fm3.0.1_rc10	If not all switches are logged into when merge check runs, merge check doesn't prompt user to login to them and gives a merge check failed error instead of indicating a login problem.
DEFECT12061	Medium	fm3.0.1_rc10	Fabric Merge Check feature doesn't flag a segmentation problem that would be due to mismatched port speeds between 2G and 1G switches.
DEFECT12137	Medium	fm3.0.2_rc1	Intermittently, Set Time will not work. Delays of up to a minute may occur when setting the time on a fabric that has a mixture of switches running a mixture fabOS 4.0 and other versions.

Open Defects			
Defect ID	Priority	Found in Release	Description
DEFECT12219	Medium	fm3.0.1_rc10	Fabric Checking on SilkWorm 12000 is not removing the error messages from event logs.
DEFECT12238	Medium	fm3.0.1_rc10	If switch is HA enabled, the appropriate firmwaredownload options are not selected automatically by Fabric Manager. Workaround: Select these options manually.
DEFECT12565	Medium	fm3.0.1_rc10	When only Fibre Channel IP address is used on a Ulysses switch, the ISL checking option is not selectable. Workaround: use Ethernet IP addressing to get ISL Checking feature.
DEFECT12585	Medium	fm3.0.1_rc10	When a segmented fabric rejoins while Fabric Manager is not running, and then Fabric Manager is brought back up, some fabrics without switches will remain in the SAN Element Tree.
DEFECT12609	Medium	fm3.0.1_rc10	Trunked ISLs are handled differently than untrunked ISLs. Untrunked ISLs can be flagged when moved. Trunked ISLs are only flagged when removed or added, but not in combination.
DEFECT12680	Medium	fm3.0.1_rc5	Fabric Merge Check feature doesn't flag a segmentation problem that would be due to mismatched security version stamp.
DEFECT000002307	Low	fm1.0_beta1	It takes 40 seconds to see a scroll bar appear or to move switches to fit into a new window.
DEFECT000002358	Low	fm1.0_beta1	Two separate installations of Fabric Manager write to the same Properties file.
DEFECT000002419	Low	fm1.0_beta1	If an event occurs immediately after another event of the same type, Fabric Manager only accumulates one message for that type of event. Events of that type are not accumulated again until an event of a different type is generated or Fabric Manager is restarted.
DEFECT000002424	Low	fm1.0_beta1	It would be easier to deal with the KnownFabricURLs field if it could be submitted multiple times. Right now, only the last occurrence in the Properties file will be read and it will overwrite any previously read values.
DEFECT000002524	Low	v2.2.2_rc7	Metal LAF used instead of standard LAF for switch management application, in Switch Events windows.
DEFECT000002533	Low	fm1.0_beta2	If Fabric Manager is accessed through Netscape, and the Switch Admin window is launched without moving the cursor to a different tab, the cursor continues to show as an hour glass, even though the system is no longer busy.
DEFECT000002654	Low	fm1.0_beta4	When accessing a switch that does not have a Web Tools license, Fabric Manager should permit the user to enter the Switch Admin window and add a license.
DEFECT10799	Low	fm3.0.1_rc4	The Uninstall program does provide a warning to say Fabric Manager is already running on host.
DEFECT10911	Low	fm3.0.1_rc5	Changing the Fabric Manager log path should not require restart.

Open Defects			
Defect ID	Priority	Found in Release	Description
DEFECT11137	Low	fm3.0.1_rc6	Bad import group file is not flagged with an error; nothing happens when this event occurs.
DEFECT11302	Low	fm3.0.1_rc10	The baseline templates are difficult to edit. Workaround: When customizing baseline templates, Windows users must start with one of the supplied baseline files and copy file lines and edit them to ensure that the proper end of line character is used.
DEFECT11759	Low	fm3.0.1_rc10	When doing a firmwaredownload on a Ulysses non-HA-configured system but choosing HA options, Fabric Manager responds with a cryptic error instead of preventing that particular combination of options to be chosen.
DEFECT11761	Low	fm3.0.1_rc10	When a firmware download is run on a Ulysses switch and the firmware version to be written is the same as the version that already exists on the switch, then Fabric Manager responds quickly with "Done". This implies that the download was completed, when in fact the download was not done because the versions were the same.
DEFECT11937	Low	fm3.0.1_rc10	Null error occurs in Fabric Merge Check against PID Test when PIDs mismatch.
DEFECT11951	Low	fm3.0.1_rc10	Fabrics are not listed when in table view.
DEFECT11954	Low	fm3.0.1_rc10	Fabric Manager will not discover a previously loaded switch if its IP Address is changed. If this occurs, delete and re-add the fabric to which the switch is a member.
DEFECT12567	Low	fm3.0.1_rc10	When doing a firmware download to one Ulysses switch, the user is required to do the commit manually afterwards. If the commit is not performed and another firmware download is done, this second download will fail with a cryptic message. WORKAROUND: do the commit, then try the second firmwaredownload again.
DEFECT6755	Low	fm3.0_beta2	Copy and paste keys are not supported in Solaris. Workaround: Use Ctrl-Insert for copy and Shift-Insert for paste.
DEFECT12135		fm3.0.1_rc10	New firmwareshow command is needed. Backup CP failed to load firmware (v4.0.0-rc5)until the previous version(v4.0.0_rc1) was committed. v4.0.0b).

Defects Closed in Fabric Manager v3.0.2c

The following table lists the defects that are closed in Fabric Manager v3.0.2c.

Defects Closed in Fabric Manager 3.0.2c		
Defect ID	Priority	Description
DEFECT000021359		<p>Summary: HTTP post from FM to switches running FabOS 4.1 is not working</p> <p>Symptom: Fabric Manager is unable to post commands to v4.1 FabOS switches. This happens when FM is sending data to the switch, ie: Fabric Login, FirmwareDownload, Save Baseline, Retrieving Licensing info, etc.</p>
DEFECT000021478		<p>Summary: FM:144: SEC: Activating Policy to a mixed fabric gives RCS error only on v3.1 switches</p> <p>Symptom: Activating security policy from Security Admin fails to completely propagate policy database to the entire fabric. The security database will not be propagated to v3.1 FabOS switches, when the primary FCS is running v4.1 FabOS code and the Activation was being done from Security Admin</p>
DEFECT000021570		<p>Summary: SEC: Policy fails to activate when previously saved from telnet side</p> <p>Symptom: Activating security policies from Security Admin, that were created and saved from a telnet session fails.</p>
DEFECT000021721		<p>Summary: FM:144: SEC: Unable to save or activate policy to fabric with v4.1_alpha12 as primary</p> <p>Symptom: Unable to save or activate security policies through Security Admin when Primary FCS switch is running v4.1 alpha code.</p>
DEFECT000022006		<p>Summary: FM:144: SEC: Saving then Activating policies causes error message and unable to activate</p> <p>Symptom: Saving then immediately Activating security policy through Security Admin, to a mixed fabric that is running v4.1 & v3.1 an error will occur. The security policies are saved to the fabric but not activated.</p>

Cumulative Defects Closed Since Fabric Manager v3.0.2

The following table lists the defects that have been closed since the Fabric Manager v3.0.2 release.

Cumulative Defects Closed Since Fabric Manager v3.0.2				
Defect ID	Priority	Found in Release	Fixed in Release	Description
DEFECT000011383	Medium	fm3.0.1_rc8	fm3.0.1_rc1	Fabric Merge Checking reports "Not Applicable under the FCS Test" when run against two secure fabrics, regardless of whether or not the fabrics will actually merge.
DEFECT000011139	Medium	fm3.0.1_rc6	fm3.0.1_rc5	Set time appears to fail for a secure fabric, but is actually successful.
DEFECT000010244	Medium	fm3.0.1_rc3	fm3.0.1_rc5	Fabric Merge Check reporting false info about Zoning Test on 2.6 fabric.
DEFECT000009541	Medium	fm3.0	fm3.0.1_rc2	SW3200 icon is not displayed
DEFECT000008236	Medium	fm3.0_rc3	fm3.0.1	Fabric Status does not get reset when Fabric Checking is on and switch is unplugged and plugged back in.
DEFECT000008180	Medium	fm3.0_rc3	fm3.0.1	If DNS has not been set up properly, the user will encounter delays when discovering switches/fabrics. The delays can be over two minutes long.
DEFECT000008153	Low	fm3.0_rc2	fm3.0.1_rc2	Status Reason does not update error after ISL is back with Trunking.
DEFECT000007992	Medium	fm3.0_rc1	fm3.0.1	In rare circumstances, if a large fabric is loaded in Fabric Manager and the core switches of the large fabric are disabled in such a way that the large fabric segments into many fabrics (twenty or more), once the switches are re-enabled, the re-formed fabric will not be always displayed as a single fabric in Fabric Manager.
DEFECT000006960	Medium	fm3.0_beta2	fm3.0.1	If an ordered group (SGroup) is renamed using telnet, Fabric Manager displays two SGroups: one with the old name and one with the new name. The old SGroup will be displayed as an empty group, and the new one will be populated with the switches.
DEFECT000002968	High	fm1.0	fm1.0a_rc1	In-band management does not work with Fabric Manager.
DEFECT000002893	Low	fm1.0_rc1	fm3.0_rc3	Individual switch icon displayed when in two physical groups and one group is deleted.
DEFECT000002655	Low	fm1.0_rc1	fm3.0_rc2	Date swaps between 4 digit year and 2 digit year.
DEFECT000002629	Low	fm1.0_beta4	fm3.0.1	In Group View, the bottom edges of the switch names are cut off.
DEFECT000002568	Low	fm1.0_beta3	fm3.0_rc3	If the user types in a URL that is already in that list, without entering an ending slash, and then presses Enter, the slash is not automatically provided, as it is if the URL is not in the list.
DEFECT000002546	Low	fm1.0_beta2	fm3.0_rc3	When accessing a switch that has no Web Tools license, Fabric Manager should permit the user to enter the Switch Admin window and add a license.

Cumulative Defects Closed Since Fabric Manager v3.0.2				
Defect ID	Priority	Found in Release	Fixed in Release	Description
DEFECT000002517	Low	fm1.0_beta2	fm3.0.1	When an icon for a switch group is selected, the dotted line that shows the icon is selected becomes misplaced to the right.
DEFECT000002243	Low	fm1.0_alpha 2	fm3.0_alpha5	In Fabric View of Web Tools, clicking on the Name Server or Zone Admin icons displays the following message: "The Web page you are viewing is trying to close the window. Do you want to close this window?"