



Brocade Fabric Manager 4.1.1

Release Notes

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TABLE OF CONTENTS

Overview.....	4
Information About New Features	4
Information About Key Features	5
System Requirements	7
Host Support.....	7
Installation	7
Documentation Updates	9
Important Notes	10
OS Requirements.....	12
Open Defects for Fabric Manager 4.1.1	13

Overview

Brocade® Fabric Manager is a powerful application that manages multiple Brocade SilkWorm® switches and fabrics in real time. In particular, Fabric Manager provides the essential functions for efficiently configuring, monitoring, dynamically provisioning, and managing Brocade SAN fabrics on a daily basis.

Through its single-point SAN management platform, Fabric Manager facilitates the global integration and execution of management tasks across multiple fabrics—thereby lowering the overall cost of SAN ownership. As a result, it provides a flexible and powerful tool, optimized to provide organizations with rapid access to critical SAN information.

In addition, Fabric Manager is tightly integrated with other Brocade SAN management products, such as Advanced Web Tools and Fabric Watch. Organizations can also use Fabric Manager in conjunction with other leading SAN and storage resource management applications as the drill-down element manager for a single or multiple Brocade fabrics.

Highlights

- Provision, monitor, and administer large numbers of switches and multiple Brocade SAN fabrics with greater efficiency
- Perform management tasks across multiple devices and fabrics as a single management operation
- Intelligently group multiple Brocade switches or ports to facilitate aggregated management
- Visualize and track changes to SAN configuration and state information through multiple views at multiple levels of detail
- Launch Fabric Manager from other enterprise management applications as the “element manager” for the fabric or multiple fabrics
- Track SAN assets by using detailed table views that can be exported to a spreadsheet
- Discover details about devices logged in to the fabric, including HBA asset information
- View the SAN layout through a topology map that specifies ISL, switch, and device details
- Identify, isolate, and manage SAN events across large numbers of switches and fabrics

Information About New Features

- **New Operating System Support**
 - **Solaris 2.9 Client and Server**
 - **Windows 2003 Client and Server**
- **New Hardware Platform Support**
 - **SilkWorm 24000**
 - **SilkWorm 3250**
 - **SilkWorm 3850**

Information About Key Features

➤ Discovery

- Discover all switches.
- Discovery of switches and fabrics through subnet scanning.
- Device information, including FDMI data, if available.
- Allows user to select if SAN elements will be displayed by WWN, domain/port ID, IP address, or element name.
- Tree view of elements organized by fabrics, switch/port groups.
- Users can easily choose from one of nine different predefined views.
- Drill-down ability allows detailed element information to be displayed.
- Actions on elements can be launched directly by right-clicking the mouse.
- Intelligent handling of fabric segmentation and merging.

➤ Fabric/Switch/Port Administration

- Advanced Web Tools can be invoked for a specific switch to perform element management (such as switch administration, Fabric Watch, and performance monitoring).
- Fabrics, switches, and ports can be named.
- Switches and ports can be enabled/disabled.
- Switch login credentials are saved for a specific session so that users must authenticate themselves only once for a switch. The same credentials can be used across multiple switches.
- Maintain sessions once authentication with a switch has succeeded, including managing session expiration.
- Time synchronization across fabrics.

➤ SAN Element Grouping

- SAN elements such as switches and ports can be aggregated into groups. Administration of these groups (such as enable/disable) can be done en-masse. Elements can be in multiple groups.
- Groups can be nested to arbitrary depths.
- Groups can be exported and imported, thus allowing them to be shared across multiple Fabric Manager client instances.

➤ Firmware/Configuration Download

- Allows firmware download across fabrics to all Brocade switch types/firmware versions.
- Allows In-band firmware download to HBAs (Emulex).
- Allows configuration upload/download across fabrics to all Brocade switch types/firmware versions.

➤ Sequenced Reboot

- Enables creating and saving of a sequence of rebooting groups of switches in a fabric in a pre-determined order.
- Sequences can be executed with different intersequence delays and with checks for fabric stability after a reboot.

➤ Fabric Checking

- Ability to retrieve and save the current state of a fabric with respect to switch membership (as a baseline, for example).
- Ability to retrieve and save complete ISL information on the fabric (including trunking information).
- Ability to detect and display differences between the current and the saved states according to status levels set by the user.

- Fabric merge checking looks for merge (in)compatibility across zoning, security, and similar potentially conflicting areas.
- **Topology**
 - Use ISL and fabric information (as populated in the object model) to graphically render various SAN elements and their relationships/links.
- **Events and Status**
 - Display a list of events for each switch.
 - Propagate the events of an element (such as switch) up to the fabric or user-defined switch group to allow aggregation of event data.
 - Using sources such as ISL checking, fabric checking, switch status, and connectivity, provide reasons for various statuses.
 - The reason field in conjunction with the event information is displayed together to make it easier to troubleshoot problems in the fabric.
 - Monitor and display related events.
 - Propagate status upwards within groups (such as fabrics or user defined element groups). The status of a fabric can be seen even when the Fabric Manager application is iconified.
- **At-a-Glance and Tabular Views**
 - There are 13 levels of at-a-glance hierarchical views, from a device level up to a SAN level, displaying aggregated data in user-selectable/re-orderable/expandable items.
 - These are dynamic, easily extendable views that can be configured to display different data from the fabric data model.
 - They allow filtering based on element type and can cascade starting from any point in the fabric element tree.
 - Portgrid is a specific table view that enables a user to quickly see all the F_Ports in the fabric and the devices that are attached to them.
- **Data Polling**
 - Fabric Manager is a multithreaded application that polls for information about various elements in the SAN at predetermined intervals.
- **License Management and e-Licensing**
 - Automate distribution of license keys to multiple switches in a SAN.
 - The E-Licensing feature allows a customer to create a license key request using transaction key files and to submit the request to the Brocade license key generation Website. The request is processed and the licenses are returned to Fabric Manager, which then deploys them to the appropriate switches.
- **Persistence**
 - Fabric Manager will persist some application-specific data (such as fabric/switch/port/group names, fabric/group memberships, reboot sequences, and existing license keys) across sessions.
- **Call-Home Support**
 - Client-side GUI that allows a user to configure the conditions that will trigger a call-home action.
 - Server monitors a user-configurable set of switches for changes/events in order to send a request for action based on configured parameters.
- **Context-Sensitive Help Pages**

System Requirements

San Setup	System Requirements
Up to 500 ports and 30 switches	256 MB memory 800 mhz CPU
500 or more ports and 30 or more switches ¹	512 MB memory 1.5 GHz CPU

¹When monitoring more than 30 switches while using the Call Home feature, you might consider using a separate machine to run the Fabric Manager server.

Host Support

- **Windows 2003 Client and Server**
- **Windows XP Client and Server**
- **Windows 2000 Client and Server**
- **Windows NT Client (no Server)**
- **Solaris 2.9 Client and Server**
- **Solaris 2.8 Client and Server**
- **Solaris 2.7 Client (no Server)**

Installation

Windows (FM Client and/or FM Server):

1. Insert Fabric Manager CD into the CD-Rom Drive.
2. The CD will auto-launch the Fabric Manager Installation Wizard.
3. Follow the instructions to complete the installation.

Solaris (FM Client and/or FM Server):

1. Insert CD.
2. Navigate to Solaris folder.
3. Execute Install.bin.

To Run:

- FM server runs as a service on windows and is started automatically after installation.
- (Windows FM Client) Select Start > Fabric Manager > Fabric Manager.
- (Solaris FM Client) Navigate to FM install folder and execute `./startFabricManager`.
- Enter the IP address of the FM server, providing login authentication.
- Enter the IP address or name of a Brocade switch in the address field to start managing your fabric.

Installation Notes:

- Installing Fabric Manager Client: If you are installing Fabric Manager Client over an existing installation of the Fabric Manager Client (without uninstalling the old version first), the installation wizard does not check to see if there is an existing path specified for the Fabric Manager Client during the installation. It just appends to the system path file, resulting in multiple paths.

Although multiple paths do not affect functionality, they could result in other applications being unable to add additional path names since the length of the Fabric Manager Client paths is too lengthy. If you see this problem, then please manually edit the system path to include only one Fabric Manager Client directory.

- If the Setup/Install GUI never comes up during install, run the DOS command “dxdiag” and make sure that the graphics tests run without error. If any DirectX files are missing or any diags fail, go to Microsoft’s web site and upgrade to the latest version of DirectX.
- To find the domain name to use as the windows authentication domain that must be specified during installation, open a DOS window and type "set". The alias "USERDOMAIN" will indicate the active domain. If the client and server will reside on different Microsoft domains, both domains MUST have trusts established between them, or Fabric Manager will not be able to authenticate the client. The user should know which domain their systems are in, or they should check with their IT departments. Also note that this domain is NOT the “internet” domain (as in corp.mycompany.com); it is the domain name Microsoft uses for authentication.
- The client software will poll the fabric information directly, so the client must be able to access each switch via an IP connection. Make sure the network environment does not have any proxy server or firewall between the client and the server and the switches. If one exists, ensure that proper rules are set up to allow access. In order to monitor switches for ‘Call Home’ events, only the server needs IP connectivity to the switches.
- If you have problems installing on a Solaris system, you might be able to resolve them by making sure the recommended J2SE patches for Solaris java applications is installed. These patches can be found at <http://sunsolve.sun.com/pub-cgi/show.pl?target=patches/patch-access>.

Use the appropriate patch for your version of Solaris. Issues might also be encountered when using XWindows emulators from Windows to access the SUN host.

- Java is keyed to whatever version your browser and/or switch needs for Advanced Web Tools. Java JRE, however, is now embedded into Fabric Manager install and might be separate from another version of java already installed on the system. Use the following procedure to determine the java version in use for Fabric Manager:
 1. Change directory to C:\Program Files\Fabric Manager\jre\bin.
 2. Run the DOS command “java -version” to determine the version of java in use. Current version of JRE for Fabric Manager 4.1.1 RC1 is 1.4.1_02.
- Before installing, check to make sure the system has the latest video drivers installed (to be safe, the user might also wish to upgrade to the latest DirectX drivers as well). Certain systems might crash with a “Blue-Screen” or the setup GUI might not startup - caused by an interaction between java, Microsoft DirectX drivers, and the Video driver. The crash/GUI issues have been resolved by upgrading the mentioned drivers and DirectX to the latest versions. The following link takes you to the page from SUN that mentions the issue (search on “blue screen”):

<http://java.sun.com/j2se/1.4.1/relnotes.html>

Uninstall/Reinstall Notes:

- To go from Fabric Manager v3.0 to Fabric Manager v4.1.1, you can just run install and overwrite the older version.
- To go from a version of Fabric Manager previous to v4.x to Fabric Manager v4.1.1 (same or newer version and Client/Server on same system), you can just run install and overwrite the older version.
- After the Evaluation version is installed, users must upgrade to a licensed version within 60 days. Once the timeout occurs, users will be presented with a dialog that allows them to license the product.

Changing User Settings After Installation:

- On Windows: For Domain: Edit ...\\FMServer\\server\\FabricManagerServer\\conf\\login-config.xml and change the following to match the new domain name:

```
<application-policy name="Win32Procurator">
    <authentication>
        <login-module
            code="com.brocade.procurator.mbeans.clientmanagement.WinNTLoginModule"
            flag="required">
            <module-option name = "domain">brocade</module-option>
```

- For Mail Server settings: Edit ...\\FMServer\\server\\FabricManagerServer\\deploy\\mail-service.xml and change the following three lines:

```
<!-- Change to the mail server -->
    <property name="mail.pop3.host" value="mail.brocade.com" />

    <!-- Change to the SMTP gateway server -->
    <property name="mail.smtp.host" value="mail.brocade.com" />

    <!-- Change to the address mail will be from -->
    <property name="mail.from" value="markpc1@brocade.com" />
```

- On Solaris: For Domain: Edit .../FMServer/server/FabricManager/Server/conf/login-config.xml and change the following to match the new domain name.

```
<application-policy name="NISProcurator">
    <authentication>
        <login-module
            code="com.brocade.procurator.mbeans.clientmanagement.NISLoginModule"
            flag="required">
            <module-option name = "nis-domain">fmgr138/fmgr</module-option>
        </login-module>
        <login-module
            code="com.brocade.procurator.mbeans.clientmanagement.ClientsLoginModule"
            flag="required">
        </login-module>
    </authentication>
</application-policy>
```

The Fabric Manager server must be restarted for the changes to take effect.

Documentation Updates

There are no documentation addendum notes. Refer to the *Fabric Manager User's Guide, v4.1.1* (publication number 53-0000823-05) for detailed information.

Important Notes

Refer to the *Fabric Manager User's Guide, v4.1.1* (publication number 53-0000823-05) for full details on these features.

License Agreement: For licensing terms, consult the End User License Agreement (EULA) distributed with the product.

Important Notes	
Problem Area	Description
Solaris Browser Compatibility	Problem: If you are operating in a Solaris environment monitoring a switch with Fabric OS v2.6.2, using the Mozilla browser, the Switch Admin page does not work correctly. Workaround: You must use Netscape to launch the Switch Admin in the environment described above.
Installation	When installing the Fabric Manager Client on Solaris with a BASH as the default shell, you must run the following command at the command line before launching the Fabric Manager Client: bash --login If you do not run this command prior to launching the Client, the Security Admin, Set Time, and FDMI features might not work properly in Fabric Manager.
E-licensing	To test the E-licensing feature, contact your Brocade Account Manager in order to obtain sample transaction keys.
FDMI	FDMI issues: <ul style="list-style-type: none">• FDMI-capable HBAs must be connected to an FDMI-capable switch in order to get the FDMI functionality.• Currently, Emulex is the only vendor supporting FDMI for their HBA. The only platform they support is Windows 2000. Other platform support will be phased in over time.• Emulex currently does not have a Solaris driver that supports the FDMI protocol. Only Windows 2000 drivers support FDMI at this time.• FDMI is disabled by default on the Emulex HBA. You must enable FDMI by using either the "elxcfg" or "lputil" tool.
HBAnyware	HBAnyware does not support more than 8 HBAs in the same host. More than 8 HBAs in the same host causes intermittent firmwaredownload failures, and can also cause the host to crash.
HBA firmware download	Emulex HBAnyware code does not run in a multi-threaded environment and is non-reentrant; therefore, simultaneous firmwaredownloads to multiple HBAs will corrupt the firmware.
HBA firmware download	When using Brocade API inside Fabric Manager to download firmware to the HBA, in some cases invalid firmware files are downloaded to the HBA. This causes the operation to report that it has finished successfully; however, the firmware is corrupted when rebooted. This is not a Brocade issue. The HBA does not discriminate and will load any files even if they are not to be loaded.
HBA firmware download	Firmware download does not work for certain earlier and unsupported versions of HBA firmware, driver, and HBAnyware versions. Workaround: Use the latest versions of each (together) to correct this issue. The current version of Driver tested is V5-5.00a10-1 for Windows 2000 with firmware version 3.90a7. The current version of HBAnyware is included with this driver package.

Important Notes	
Problem Area	Description
ISL Threshold Overflow	ISL Threshold Overflow set for entire Fabric Manager application – cannot set for individual switch links.
Polling intervals	<ul style="list-style-type: none"> Fabric Manager periodically polls the switches in the fabrics it is monitoring to get updated information. The polling interval varies between 45 seconds and 2 minutes depending on the function. The event log is polled every 30 minutes, however the user can manually refresh it anytime.
Security policy	The maximum number of members that can be added at one time to a single DCC policy is 125.
Upgrading Fabric Manager	<p>Problem: If you try to install the Fabric Manager server immediately after you close the Fabric Manager client, the installer indicates that the port is in use. This happens because when you close a Fabric Manager client program, the Fabric Manager server takes about 4 minutes to free the connection port.</p> <p>Workaround: Wait about 4–5 minutes after closing all clients before you install the Fabric Manager server.</p>
Upgrading Fabric Manager	<p>Problem: If you are upgrading from Fabric Manager 4.0.x Server only install to Fabric Manager 4.1.x, you will be asked to re-enter your Fabric Manager serial number and license key in order to complete the install (see Workaround). However, if you are upgrading from Fabric Manager 4.1.0 Server only install to Fabric Manager 4.1.1 or later, you will not be asked to re-enter your Fabric Manager serial number and license key again.</p> <p>Workaround: Prior to attempting this install, open the currently installed Fabric Manager and click Help > Register to display the current serial number and license key. Note this information for use during the upgrade process.</p>
User Permissions	<p>In Windows Environments:</p> <p>If the server workstation is not a member of the specified domain, Fabric Manager authentication will succeed for any user credentials (if the Guest account on the workstation is not disabled).</p> <p>To ensure that the security of your Fabric Manager server is not compromised, verify that your Windows Guest user permissions are disabled, and that your Fabric Manager server workstation is a member of the domain you specify during the Fabric Manager server installation. For instructions on disabling Windows Guest user permissions, refer to your Windows documentation.</p>
SilkWorm 2xxx Scalability Limits	Exhaustive testing has demonstrated that SilkWorm 2000-family switches should not be deployed in fabrics whose size exceeds 500 user ports (device ports). Such switches will not be supported in fabrics that exceed this size, regardless of Fabric OS version.
Fabric Checking	If a user powers down a switch that is part of a fabric that has the Fabric Checking feature enabled, the switch is not displayed as a "ghost switch" in the fabric tree, or in any of the Fabric Manager views. In addition, an event will not be generated indicating that the switch was removed from the fabric. The switch will appear as unreachable, and an event indicating the switch status as unreachable displays in the event table. The switch status is displayed as red.

OS Requirements

Fabric Manager v4.x is recommended for all environments. The following table summarizes the versions of Brocade firmware and software that are supported in conjunction with this release:

	SW 2xxx	SW 3200 & 3800	SW 3900 & 12000	SW 3250, 3850, 24000
General compatibility	Fabric OS v2.6.0c or later up to v2.6.1	Fabric OS v3.0.2c or later up to v3.1.2	Fabric OS v4.0.2c or later up to v4.2.0	Fabric OS v4.2.0
With Secure Fabric OS enabled	Fabric OS v2.6.1	Fabric OS v3.1.0 or later up to v3.1.2	Fabric OS v4.1.0 or later up to v4.2.0	Fabric OS v4.2.0
Recommended adjacent to SW 3900s running 4.1.0 or later	Fabric OS v2.6.1	Fabric OS v3.1.0	Fabric OS v4.1.0 or later up to v4.2.0	Fabric OS v4.2.0
Fabric Manager Compatibility (<i>FM 4.x or later recommended</i>)	FM 3.0.2c or later	FM 3.0.2c or later	FM 3.0.2c or later	FM 4.1.1

Open Defects for Fabric Manager 4.1.1

This table of open defects lists those defects that, while still formally “open”, are unlikely to impede Brocade’s customers in their deployment of Fabric Manager 4.1.1. The presence of a defect in this list may be prompted by several different circumstances. Several of the defects were not detected in the months of testing on Fabric Manager 4.1.0, but were initially reported against an earlier Fabric Manager version in the field. Brocade’s standard process in such cases is to open defects against the current release which *might* experience the same issues, and close them only when a fix is implemented, or if it is determined that the problem does not exist with the current release. In other cases, a fix has been developed, but has not been implemented in this release because it requires particularly extensive code changes or regression testing to ensure that the fix does not create new problems. Such fixes will appear in future releases. None of them have the requisite combination of probability and severity to cause significant concern to Brocade’s customers.

This table contains defects opened against the current Fabric Manager release, v4.1.1., which are being deferred to a future release.

Open Defects		
Defect ID	Severity	Description
DEFECT000025866	High	<p>Summary: Add Qloop zoning warning message in Fabric Manager</p> <p>Symptom: The Problem is that one Qloop port, to which an HBA is attached, can talk to another QL port that is not in its own zone if that zone exists under a non-pure Qloop zone environment. A simple explanation is that this is due to an user error, as it is documented in the Brocade manuals that the accessibility exists from other non-zone member to the Qloop-zoned members if there is no pure Qloop zone.</p> <p>However this user error ends in an unexpected zoning behavior which could result in a security issue.</p> <p>Brocade will implement the series team's recommendation to inform the user with error messages in both GUI and CLI prompt whenever there is a change in the pure Qloop zone status.</p> <p>Workaround: The only workaround that I know is to run the CMD under root: zonealpamap. If it returns -1, that is a indication there is a pure Qloop zone existing.</p> <p>Service Request# SR#22595</p>
DEFECT000020178	Medium	<p>Summary: FM: 463: 'GEN: Devices' table showing entries after the switch, with devices connected, is disabled</p> <p>Symptom: User will see this problem in FM when a switch that has devices is disabled. When this occurs, ports table in FM will show all ports to be 'U' ports, but 'Devices' table continues to show all devices.</p> <p>Workaround: No workaround exists.</p> <p>Comment: The fix for this defect is currently under test.</p>
DEFECT000024701	Medium	<p>Summary: FM: 674: STRESS: Ports Switches and Devices Tables are blank</p> <p>Symptom: A customer could encounter this issue if they are viewing the</p>

Open Defects		
Defect ID	Severity	Description
		<p>switches table while a large fabric is going through constant reconfigurations for a prolonged period of time.</p> <p>Workaround: If a customer encounters this problem, close and restart the application.</p> <p>Probability: Low</p> <p>Comment: The fix for this defect is currently under test.</p>
DEFECT000025114	Medium	<p>Summary: SCAL FM: 2+2+24 & 2+10 SEC: Cannot bring up Security Admin in a 2+10 Security Enabled Fabric</p> <p>Symptom: Error code -221 is returned if fabric has recovered from an unstable(reconfiguring) state upon bringing up Security Admin. If however, the fabric is in a usable non-reconfiguring state, the SecAdmin should be able to come up without any errors. Would recommend changing the Security Admin UI response on this from printing out -221 to the user- rather fabric is busy or fabric is unstable when it encounters the Unknown error.</p> <p>Workaround: Run Security Admin after fabric is in completely stable state and has not reconfigured for over 10 mins. due to a CP Failover or switchDisable/switchEnable event.</p> <p>Customer Impact: This occurs mainly in large, unstable fabrics using security and should not be seen in most customer configurations.</p> <p>Probability: Low</p>
DEFECT000025472	Medium	<p>Summary: FM:671: STRESS: TOPO: FM unusable after running switch segment/merge script overnight</p> <p>Symptom: Running a script that segments then merges a core switch from a multi-core fabric, multiple times overnight, sometimes the Fabric Manager application will hang. Also the screen will be blank. This has happened in Topology view when ISL Checking and Fabric Checking were enabled.</p> <p>Workaround: No Workaround.</p> <p>Customer Impact: This is an overnight stress test and not likely to occur in a customer SAN.</p> <p>Probability: Low</p>
DEFECT000025769	Medium	<p>Summary: FM:STRESS: FM fails to timeout when it fails to receive a response to its http request sent to the switch</p> <p>Symptom: User will encounter this problem only if the switch reboots or the webserver restarts on the switch during the time when Fabric Manager is waiting for a response to its' http request</p> <p>Workaround: The cursor changes to an hour glass but Fabric Manager is</p>

Open Defects		
Defect ID	Severity	Description
		<p>still responsive. User can close and restart Fabric Manager to reset the cursor.</p> <p>Customer Impact: This is a stress test that is not likely to occur in a user SAN. There is a workaround and the application doesn't freeze. It can be fixed in a patch release.</p> <p>Probability: Low</p>
DEFECT000036834	Medium	<p>Summary: FM:STRESS:2352: Segment/merging a core switch with FabChecking 'ON' cause client to freeze</p> <p>Symptom: This test is not typical in a customer environment. Running overnight stress test where one core switch is being segmeneted and merged back into the fabric with 'Fabric Checking' 'ON' in FM, causes FM Client to freeze and go into 'Non Responding' state</p> <p>Workaround: Shutdown or kill FM if this problem occurs and restart.</p>
DEFECT000037001	Medium	<p>Summary: FM:STRESS:2353: FM Client appeared to have stopped polling all switches during overnight test</p> <p>Symptom: Customer is highly unlikely to run into this issue since the test involved disabling/enabling 10 switches in a 22 switch fabric every 10 mins in parallel, with Fabric Checking 'ON' in FM. FM client only on Solaris appeared to have stopped polling all the switches in the fabric.</p> <p>Workaround: Restart FM client and it reflects the correct fabric state.</p>
DEFECT000037006	Medium	<p>Summary: Fabric Manager on Solaris cannot launch Webtools SwitchAdmin page on FOS 2.6.2</p> <p>Symptom: Cannot launch Webtools Switchadmin page from FM for a FOS 2.6.2 switch. User will have to manually load netscape instead of mozilla to view the page.</p>
DEFECT000037049	Medium	<p>Summary: SCAL FM 1280 Port Fabric: FM experiences repainting problem on Manual Refresh</p> <p>Symptom: This Defect occurs mainly in events view after socket requests from client application to switches have timed out. After the series of switch trunk disable/enable commands are performed and client left running and monitoring for an extended period as in an overnight monitoring session, the FM client will have GUI repainting issues. This is most observable after selecting manual refresh to poll for new switch events in the Events view.</p> <p>Workaround: Close/Shut down FM Client while running maintenance on fabric to trunkdisable/enable core switches.</p>
DEFECT000037892	Medium	<p>Summary: In Fabric Event View, refreshing events does not update refresh time</p> <p>Symptom: When a discovered fabric node is selected in FM and events</p>

Open Defects		
Defect ID	Severity	Description
		<p>are manually refreshed, events are refreshed correctly but the 'Last time refreshed' time stamp does not update. This 'Last time refreshed' time refreshes correctly for individual switches but NOT for discovered fabrics.</p> <p>Workaround: Select the switches on the tree and event view tab. The displayed refresh time is the time when the switch events were refreshed.</p> <p>Comment: The fix for this defect is currently under test.</p>
DEFECT000037969	Medium	<p>Summary: SCAL MultiSAN 1280 Ports: FM generates Security Admin Error with code -3604 when security policies set is re-activated without any changes</p> <p>Symptom: FM will prompt an Error window with error code -3604. Error code -3604 means activating the switches FCS policies through any non-primary FCS (e.g. BACKUP/NonFCS) switch.</p> <p>Workaround: No need to do the second click on "Activate" button as the policy set has already been activated.</p>
DEFECT000038006	Medium	<p>Summary: SCAL MultiSAN 1280 Ports: FM generates Security Admin Error message after security policy modification and activation; thereafter Security Admin is unusable.</p> <p>Symptom: A window will pop up saying "Fabric Access Failure: Policy Activation was successful, but unable to read information back from the Fabric. Please close the Administration window and reopen it again."</p> <p>Workaround: Close Security Admin and then open Security Admin again.</p>
DEFECT000038146	Medium	<p>Summary: Web browser supported with FM 4.1</p> <p>Symptom: When installing Fabric Manager 411_rc1 on a Sun host, the installation text from Zero-G GUI states Netscape 4.77 or higher is supported. Based on Winter Release TOI, only Mozilla 1.4 or higher is supported. Which is it really?</p> <p>Service Request# RQST00000027342</p>
DEFECT000038223	Medium	<p>Summary: FM:2191: SCSI Device names are missing from Devices and Device Ports View when devices are connected to non-launch switch</p> <p>Symptom: Used a core switch with no devices, as the launch switch in FM. After the upgrade of the launch switch from FOS v4.1 to v4.2, the SCSI device names disappeared.</p> <p>Workaround: To view all of the device SCSI names in FM, use a non-v4.2 switch as the launch switch in FM.</p>

Open Defects		
Defect ID	Severity	Description
DEFECT000039235	Medium	<p>Summary: Fabric Manager "Switches" Tab, MODEL reported is the FICON switch model attribute and may not match the model number on the physical switch.</p> <p>Symptom: Fabric Manager "Switches" Tab, MODEL reported is the FICON switch model attribute and may not match the model number on the physical switch.</p> <p>Solution: This is not a problem as such, user just needs to keep in mind that this is the FICON switch model attribute and may be different from the real switch model.</p> <p>Workaround: Ignore this value, it represents the FICON switch model and may not match the real switch model.</p> <p>Service Request# RQST00000027781</p>
DEFECT000039732	Medium	<p>Summary: Fabric Manager v4.1.1_rc1 exhibits wrong version of firmware during "done with errors"</p> <p>Symptom: When firmware download fails to a switch, the error message includes the version of firmware running on the switch and not the f/w version that is being downloaded. This can be confusing.</p> <p>Workaround: Be aware that the firmware version being included in the error message is the f/w version running on the switch on which download was attempted and not the version that is being downloaded.</p> <p>Service Request# RQST00000028040</p>
DEFECT000025115	Low	<p>Summary: HBAFirmwareDownload returns 0(SUCCESS) even if the file sent is an invalid firmware or invalid file.</p> <p>Symptom: A customer could encounter this issue if they attempt to download a hba firmware version that is incompatible with the card they are using.</p> <p>Workaround: Ensure that the firmware that you are going to download to your hba is compatible with the card you are using.</p>