BROCADE

Brocade Fabric OS v6.1.0
Release Notes v1.0

March 12, 2008

Document History

Document Title	Summary of Changes	Publication Date
Brocade Fabric OS v6.1.0 Release Notes v1.0	Initial release	March 12, 2008

Contents

Overview

Brocade Fabric OS v6.1.0 supports the following new hardware platforms:

- **Brocade 5300: 48 – 80 port 2U switch**
  - 8 Gbit/sec technology
  - Ports On Demand scaling from 48 to 64 or 80 ports
  - Supports Integrated Routing and Adaptive Networking with QoS
  - Two hot-swappable, redundant power supply FRUs
  - Three hot-swappable, redundant fan FRUs
  - EZSwitchSetup support
  - USB Port
  - FICON, FICON Cascading and FICON Control Unit Port ready

- **Brocade 5100: 24 – 40 1U port switch**
  - 8 Gbit/sec technology
  - Ports On Demand scaling from 24 to 32 or 40 ports
  - Supports Integrated Routing and Adaptive Networking with QoS
  - Two hot-swappable, redundant integrated power supply/fan FRUs
  - EZSwitchSetup support
  - USB Port
  - FICON, FICON Cascading and FICON Control Unit Port ready

- **Brocade 300: 8 – 24 port 1U switch**
  - 8 Gbit/sec technology
  - Ports On Demand scaling from 8 to 16 or 24 ports
  - Supports Access Gateway
  - Adaptive Networking with QoS
  - EZSwitchSetup support
  - USB Port

- **Brocade 7500E: 4G Distance Extension product with 2FC and 2GigE ports**

- **Fabric OS v6.1 adds support on the 48000 platform for the following blades:**

  • FC8-32 32-port 8Gbit/sec FC blade
  • FC8-48 48-port 8Gbit/sec FC blade

In addition to support for the new hardware platforms and blades, there are numerous new features in Fabric OS v6.1, including:

- Enhanced connectivity with M-Series products
  - Support for native connectivity modes on all 8G blades and platforms
  - Traffic Isolation Zones in native connectivity modes
  - Frame Redirection support in native connectivity modes
  - FICON CUP Cascading
  - E-port Authentication
  - Enhanced scalability for Interopmode 3 (Open Fabric Mode)– support for 31 domains and 2048 devices
  - SANtegrity Fabric Binding in both Ineropmode 2 and Interopmode 3 including FCR support
- Access Gateway enhancements

    - Support on Brocade 300
    - AG Trunking
    - Advanced Device Security Policy
    - 16-bit routing
- Integrated Routing, providing FCR support on 8G ports and blades
- Traffic Isolation Zones over FCR
- Port mirroring on 8Gbit platforms
- Temporary licenses for optional features
- Buffer credit recovery on all 8G platforms
- FCIP Performance enhancements
- Port Fencing support in Fabric Watch

New Feature Descriptions

Enhanced Connectivity with McDATA Products

- **M-EOS Native Fabric Mode support –** Fabric OS v6.1 supports "interopmode 2" on nearly all 4G and 8G FOS platforms, which allows a FOS-based switch to participate directly in M-EOS fabrics running in **McDATA Fabric Mode**. M-EOS products in the fabric must be operating with M-EOS v9.6.2 or later.

- **M-EOS Open Fabric Mode support –** Fabric OS v6.1 supports "interopmode 3" on nearly all 4G and 8G FOS platforms, which allows a FOS-based switch to participate directly in M-EOS fabrics running in **Open Fabric Mode**. Interopmode 3 replaces the interopmode 1 capability provided in earlier versions of Fabric OS. M-EOS products in the fabric must be operating with M-EOS v9.6.2 or later. Interopmode 3 scalability limits have also been increased to match those of interopmode 2.

- **Traffic Isolation Zones supported in mixed fabrics in Interopmode 2–** Fabric OS v6.1 allows the Traffic Isolation Zones capability to be used in fabrics with M-Type products. The M-EOS based products can also provide analogous capability through the use of Preferred Path configurations.

- **Frame Redirection --** Fabric OS v6.1 allows Frame Redirection to be used on FOS products that are operating in either of the native connectivity modes (interopmode 2 or 3). This provides even greater flexibility and support for environments that are interested in using the powerful Frame Redirection capability.

Access Gateway Enhancements

- Access Gateway support is enabled on the **Brocade 300**.

- **Trunking with Access Gateway** enables frame distribution across a set of available paths linking Access Gateway to an adjacent Switch. The adjacent switch to the Access Gateway has to be a Brocade switch running FOS v6.1 or above version of the firmware. This feature also enhances availability by enabling seamless fail-over of traffic from a failed N-port to other ports within a trunk group. Trunking is an optionally licensed feature.

- **Advanced Device Security Policy (ADS)** extends the DCC policy to a switch module in Access Gateway mode. DCC policy support enables a user to restrict N_port logins through an F_port of an Access Gateway. User must provide a list of device Port WWNs for an F_Port in order to enable those devices to login through that F_port. This policy is also supported for NPIV connections on F_ports.

- **16 bit routing** enhances interoperability of Access Gateway with Cisco fabrics. Note that this capability is only applicable to 8G platforms..

Integrated Routing
This new licensed capability allows ports in a DCX, 5300, or 5100 to be configured as EX_ports supporting Fibre Channel Routing. This eliminates the need to add an FR4-18i blade or use the 7500 for FCR purposes, and also provides double the bandwidth for each FCR connection (when connected to another 8G-capable port).

Traffic Isolation Zones over FCR
This enhancement enables traffic isolation across EX ports and VEX ports. This benefits applications like Tape Pipelining and Fast Write that traverse VE ports where customers wish to control the exact path and ports that are used.

Port Mirroring
Fabric OS v6.1 adds support for Port Mirroring to 8Gbit ports. The port mirroring feature mirrors traffic in both directions between a source and destination ID pair to a single mirror port. The user may connect a FC analyzer to this mirror port to capture all the mirrored traffic and perform troubleshooting or other analysis.

Temporary Licenses

Fabric OS v6.1 introduces support for temporary licensing of select features. These licenses are intended primarily to allow a customer to activate a feature quickly, in a situation where going through the "regular" license ordering and procurement process may take too much time. These temporary licenses may also facilitate customers who wish to evaluate a feature prior to making a decision to purchase the license. Each temporary license is issued for a 45-day period, beginning when the temp license is issued. A maximum of two 45-day licenses can be generated for a particular feature on a particular product.

In Fabric OS v6.1, the following features will support temporary licenses:

- Fabric (E_port) license
- Extended Fabric license
- Trunking license
- FCIP license
- Performance Monitoring license

Temporary licenses will be available for other optional features in later releases.

Please contact your switch vendor to obtain Temporary Licenses. Temporary licenses will be issued by Brocade.

Buffer Credit Recovery
FOS v6.1 implements credit recovery protocol as described in FC-FS standards. This feature is supported only on E-ports and allows switches to automatically recover buffer credits that were accidentally "lost" over time. Buffer credit recovery prevents link performance degradation that may otherwise occur due to loss of credits over time.

FCIP Performance Enhancements
FOS v6.1 increases committed rate tunnel performance (utilization) when compressibility exceeds 2:1. Previous FOS releases capped FC data rates to 2 times the committed rate of the FCIP tunnel. As a result, as compression ratio increases beyond 2:1, FC throughput remains constant at 2 times the committed rate and the link utilization decreases. FOS v6.1 now monitors compressibility, adjusts to more compressible data, and works to fill the FCIP tunnel to the committed rate.

Port Fencing
FOS v6.1 includes new Port Fencing capabilities that can automatically isolate a port that is behaving outside the bounds of a normal, expected operation. This enhances overall stability of the fabric in the event of an isolated event that could otherwise cause a major disruption if left unattended. The Port Fencing capability is included as part of the optionally licensed Fabric Watch feature.

Other

- FOS v6.1 includes enhancements to LDAP allowing Active Directory server roles to be mapped to the various switch roles.
- Optional –m parameter for slotshow command to display Model Names for each blade installed in a DCX or 48k chassis.
- Many automatic page breaks in CLI output for commands have been removed to better facilitate scripting.
- RASLOG entry when a switch detects a duplicate WWN has logged in.

Optionally Licensed Software

Optionally licensed features include:

- Brocade Ports on Demand — Allows customers to instantly scale the fabric by provisioning additional ports via license key upgrade (applies to select models of switches).
- Brocade Extended Fabrics — Provides up to 500km of switches fabric connectivity over long distances.
- Brocade ISL Trunking — Provides the ability to aggregate multiple physical links into one logical link for enhanced network performance and fault tolerance. Also includes Access Gateway ISL Trunking on those products that support Access Gateway deployment.
- Brocade Fabric Manager — Enables administration, configuration, and maintenance of fabric switches and SANs with host-based software.
- Brocade Advanced Performance Monitoring — Enables performance monitoring of networked storage resources. This license includes the TopTalkers feature.
- High Performance Extension over FCIP/FC (formerly known as "FC-IP Services") (For the FR4-18i blade and Brocade 7500) — This license key also includes the FC-Fastwrite feature and IPsec capabilities.
- Brocade Fabric Watch — Monitors mission-critical switch operations. Fabric Watch now includes new Port Fencing capabilities.

- FICON Management Server — Also known as “CUP” (Control Unit Port), enables host-control of switches in Mainframe environments.
- ICLs, or Inter Chassis Links — Provide dedicated high-bandwidth links between two Brocade DCX chassis, without consuming valuable front-end 8G ports. Each DCX must have the ICL license installed in order to enable the ICL connections. (Available on the DCX only)
- Enhanced Group Management — This license, available only on the DCX and new 8G platforms, enables full management of the device in a datacenter fabric with deeper element management functionality and greater management task aggregation throughout the environment.
- Adaptive Networking — Adaptive Networking provides a rich framework of capability allowing a user to ensure high priority connections obtain the bandwidth necessary for optimum performance, even in congested environments. The QoS SID/DID Prioritization and Ingress rate limiting features are the first components of this license option, and are fully available on all 8G platforms.
- Integrated Routing — This new licensed capability, introduced in Fabric OS v6.1, allows ports in a DCX, 5300, or 5100 to be configured as EX_ports supporting Fibre Channel Routing. This eliminates the need to add an FR4-18i blade or use the 7500 for FCR purposes, and also provides double the bandwidth for each FCR connection (when connected to another 8G-capable port).
- 7500E Upgrade (For the Brocade 7500E only) — This license allows customers to upgrade a 4-port (2 FC ports and 2 GE ports) 7500E base to a full 18-port (16 FC ports and 2 GE ports) 7500 configuration and feature capability. The upgraded 7500E includes the complete High Performance Extension license feature set.

Some models offer bundles that include 2 or more optionally licensed features. These bundles are defined for each unique product, and are outside the scope of this release note document.

Previously Licensed Software Now Part of Base FOS

The following capabilities are included as part of the base FOS capability and no additional purchase or licensing is necessary:

- Advanced Zoning and WebTools licenses are no longer necessary beginning with FOS v6.1. These features are automatically enabled on all products running FOS v6.1 or later.

Supported Switches

Fabric OS v6.1 supports the Brocade 200E, 300, 4012/4016/4018/4020/4024/4424, 4100, 4900, 5000, 5100, 5300, 7500, 7600, 48000, and DCX. All supported products are qualified for Native Connectivity in interopmodes 2 and 3 for deployment in M-EOS fabrics with the exception of the Brocade 4100.

Access Gateway is also supported by Fabric OS v6.1.0, and is supported on the following switches: the Brocade 200E, 300, 4012, 4016, 4018, 4020, 4024 and 4424.

Standards Compliance

This software conforms to the Fibre Channel Standards in a manner consistent with accepted engineering practices and procedures. In certain cases, Brocade might add proprietary supplemental functions to those specified in the standards. For a list of standards conformance, visit the following Brocade Web site: *http://www.brocade.com/sanstandards*

Technical Support

Contact your switch supplier for hardware, firmware, and software support, including product repairs and part ordering. To expedite your call, have the following information immediately available:

1. **General Information**

- Technical Support contract number, if applicable
- Switch model
- Switch operating system version
- Error numbers and messages received
- **supportSave** command output
- Detailed description of the problem, including the switch or fabric behavior immediately following the problem, and specific questions
- Description of any troubleshooting steps already performed and the results
- Serial console and Telnet session logs
- Syslog message logs

2. **Switch Serial Number**

The switch serial number is provided on the serial number label, as shown here.

The serial number label is located as follows:

- Brocade 200E—On the nonport side of the chassis
- Brocade 4100, 4900, and 7500/7500E—On the switch ID pull-out tab located inside the chassis on the port side on the left
- Brocade 300, 5000, 5100, and 5300—On the switch ID pull-out tab located on the bottom of the port side of the switch
- Brocade 7600—On the bottom of the chassis
- Brocade 48000 —Inside the chassis next to the power supply bays
- Brocade DCX—Bottom right of the port side.

3. **World Wide Name (WWN)**

Use the **wwn** command to display the switch WWN.

If you cannot use the **wwn** command because the switch is inoperable, you can get the WWN from the same place as the serial number, except for the Brocade DCX. For the Brocade DCX, access the numbers on the WWN cards by removing the Brocade logo plate at the top of the non-port side. The WWN is printed on the LED side of both cards.

Important Notes

This section contains information that you should consider before you use this firmware release.

Fabric OS Compatibility

The following table lists the earliest versions of Brocade software supported in this release, that is, the *earliest* supported software versions that interoperate. Brocade recommends using the *latest* software versions to get the greatest benefit from the SAN.

For a list of the effective end-of-life dates for all versions of Fabric OS, visit the following Brocade Web site:

http://www.brocade.com/support/end_of_life.jsp

Supported Products and FOS Interoperability	
Brocade 2000-series switches	Not supported, end of support (December 2007)
Brocade 3000, 3200, 3800	v3.2.1c
Silkworm 3014, 3016, 3250, 3850 and Brocade 3900, 4100, 24000, 7500, 4012, 200E, 48000	v5.1 and higher
Silkworm 12000	v5.0.x
Brocade 4900	v5.2.0 and higher
Brocade 4012, 4016, 4018, 4020, 4024	v5.2.1 and higher
Brocade 5000	v5.2.1 and higher
Brocade 4424	v5.3.0_emb and higher
Brocade 7600	v5.3.0 and higher
Brocade DCX	v6.0.0 and higher
Secure Fabric OS (on any model)	Not Supported
Mi10k, M6140, ED-6064, ES-3232, ES-4300, ES-4400, ES-4500, ES-4700 (McDATA Fabric Mode and Open Fabric Mode) [1]	M-EOS v9.6.2 [2]

McDATA ED-5000 32-port FC director	Not Supported
Multi-Protocol Router interop	
Brocade 7420	XPath v7.4.1
Brocade 7500 and FR4-18i blade	v5.1.0 and higher
McDATA SANRouters 1620 and 2640	Not Supported

Notes:

[1]Other M-EOS models may participate in a fabric with FOS v6.0.0, but may not be directly attached via E_port to any products running FOS v6.0.0. The McDATA ED-5000 director may not participate in a mixed M-EOS/FOS fabric.

[2]It is highly recommended that M-EOS products operate with the most recent version of M-EOS released and supported for interoperability. M-EOS 9.6.2 is the minimum version of firmware that can be used to interoperate with FOS 6.0.0 or later. M-EOS 9.7 or later is recommended for optimum fabric performance in a mixed FOS and M-EOS fabric.

Fabric OS v6.1.0 software is fully qualified and supports the blades for the 48000 platform noted in the table below.

48000 Blade Support Matrix	
Port blade 16, 32 and 48-port 4Gbit blades (FC4-16, FC4-32, FC4-48), 16, 32 and 48-port 8Gbit blade (FC8-16, FC8-32, FC8-48), and the 6-port 10G FC blade (FC10-6)	Supported with any mix and up to 8 of each. No restrictions around intermix. The 48000 must run Fabric OS v6.0 or later to support the FC8-16 port blade and Fabric OS v6.1 or later to support the FC8-32 and FC8-48 port blades.
Intelligent blade	Up to a total of 4 Intelligent blades (includes iSCSI, FCIP/FCR and Application blade), FC4-16IP, FR4-18i, and FA4-18 respectively. See below for intermix limitations, exceptions, and a max of each blade.
iSCSI blade (FC4-16IP)	Up to a maximum of 4 blades of this type
FC-IP/FC Router blade (FR4-18i)	Up to a maximum of 2 blades of this type. This can be extended under special circumstances but must be approved by Brocade's Product Team. Up to 8 FR4-18i blades can be installed if they are used only for FC Fastwrite or FCIP without routing.
Virtualization/Application Blade (FA4-18)	Up to a maximum of 2 blades of this type.

Fabric OS v6.1.0 software is fully qualified and supports the blades for the DCX noted in the table below.

DCX Blade Support Matrix	
16-, 32- and 48-port 8Gbit port blades (FC8-16, FC8-32, FC8-48) and the 6-port 10G FC blade (FC10-6)	Supported with FOS v6.0 and above with any mix and up to 8 of each. No restrictions around intermix.
Intelligent blade	Up to a total of 8 Intelligent blades. See below for maximum supported limits of each blade.
FC-IP/FC Router blade (FR4-18i)	Up to a maximum of 4 blades of this type. This can be extended under special circumstances, but must be approved by Brocade's Product Team. Up to 8 FR4-18i blades can be installed if they are used only for FC Fastwrite or FCIP without routing.
Virtualization/Application Blade (FA4-18)	Up to a maximum of 4 blades of this type.

Note: the iSCSI FC4-16IP blade is not qualified for the DCX.

Power Supply Requirements for Blades in 48k and DCX Chassis				
Blades	**Type of blade**	**48K**	**DCX**	**Comments**
FC 4-16, FC 4-32, FC 4-48, FC 8-16, FC 8-32	Port Blade	2 Power Supplies	2 Power Supplies	• Distribute the Power Supplies evenly to 2 different AC connections for redundancy • Power Supplies must be 220V • Blades must meet minimum FOS levels to operate in 48K/DCX chassis (e.g. FC8-32 is not supported in 48K with FOS 6.0.x)
FC10-6, FC 8-48	Port Blade	4 Power Supplies	2 Power Supplies	
FR4-18i, FC4-16IP, FA4-18	Intelligent Blade	4 Power Supplies	2 Power Supplies	

Note: the iSCSI FC4-16IP blade is not qualified for the DCX.

Secure Fabric OS

Secure Fabric OS (SFOS) is not compatible with FOS v6.1. Customers that wish to use the security features available in SFOS should upgrade to FOS v5.3 or later version, which includes all SFOS features

as part of the base FOS. For environments with SFOS installed on switches that cannot be upgraded to FOS v5.3 or later version, FC routing can be used to interoperate with FOS v6.1.

FOS Feature Compatibility in Native Connectivity Modes

Some FOS features are not fully supported when operating in the native connectivity modes for deployment with M-EOS based products. All Brocade models that are supported by Fabric OS v6.1.0 support both intermode 2 and 3 with the exception of the Brocade 4100.

The following table specifies the support of various FOS features when operating in either interopmode 2 (McDATA Fabric Mode) or interopmode 3 (Open Fabric Mode) with Fabric OS v6.1.

FOS Features (supported in interopmode 0)	**FOS v6.1**	
IM = Interopmode	**IM 2**	**IM 3**
L2 FOS Hot Code Load	Yes	Yes
FOS Hot Code Load with FCR	Yes	Yes
Zone Activation Support	Yes	No
Traffic Isolation Zones[1]	Yes	No
Frame Redirection (devices attached to FOS)[1]	Yes	No
Frame Redirection (devices attached to M-EOS)	No	No
FCR Fabric Binding (route to M-EOS fabric with Fabric binding)	Yes	Yes
L2 Fabric Binding	Yes	No*
DCC policies	No	No
SCC policies	Yes[4]	No*
E/Ex_Port Authentication	Yes	Yes
ISL Trunking (frame-level)	Yes[2]	Yes[2]
Dynamic Path Selection (DPS, exchange based routing)	Yes[3]	Yes[3]
Dynamic Load Sharing (DLS, port based routing)	Yes	Yes
Virtual Channels (VC RDY)	Yes[2]	Yes[2]
FICON Management Server (Cascading)	Yes	No*
FICON MIHPTO	Yes	No*
Full Scalability (to maximum M-EOS fabric limits)	Yes	Yes
Adaptive Networking: QoS	No	No
Adaptive Networking: Ingress Rate Limiting	No*	No*
Advanced Performance Monitoring (APM)	No*	No*
APM: TopTalkers	No*	No*
Admin Domains/Virtual Fabrics	No	No
Secure Fabric OS[6]	N/A	N/A
Fabric Watch	Yes	Yes
Ports on Demand (POD)	Yes	Yes
NPIV	Yes	Yes
Timer Server function (NTP)	No	No
Open E_Port[7]	N/A	N/A
Broadcast Zoning	No	No
FDMI	No	No
Remote Switch	No	No
Port Mirroring (8G port mirroring supported in FOS v6.1+)	Yes	Yes
Extended Fabrics	Yes	Yes[8]

Alias Server	No	No
Platform Service	No	No
FCIP (VE_Ports)	Yes	Yes
IPFC (IP over FC)	Yes[9]	Yes[9]
M-EOS ALPA 0x13 configuration	Yes	Yes
VE to VEX Port	Yes	Yes
Integrated Routing	Yes	Yes
Domain Offset Support	No	No
Masterless F_PORT Trunking (AG connect to FOS switches only)	Yes	Yes
FC10-6-to-FC10-6 ISL	Yes	Yes
RASLOG Events on duplicate WWNs	Yes	Yes

* indicates the feature is available but not officially tested or supported

1. Feature requires M-EOS 9.7 or later.
2. Only allowed between FOS-based switches
3. DPS is supported outbound from FOS-based switches. (M-EOS can provide reciprocal load balancing using OpenTrunking).
4. SCC policies only supported in conjunction with L2 Fabric Binding support
5. Fabric restriction (refer to FOS v5.2.1_NI release notes)
6. Not supported in FOS 6.0 or later
7. Mode 3 only qualified with M-EOS switches
8. Not on FCR
9. Only supported locally within the FOS switch

Note: FICON Cascaded CUP qualified only on select platforms.

Firmware Upgrades and Downgrades

Upgrading to Fabric OS v6.1.0 is only allowed from Fabric OS v6.0.0 or later. This policy to support only one-level migration, which began with FOS v6.0.0, provides more reliable and robust migrations for customers. By having fewer major changes in internal databases, configurations, and subsystems, the system is able to perform the upgrade more efficiently, taking less time and ensuring a truly seamless and non-disruptive process for the fabric. The new one-release migration policy also reduces the large number of upgrade/downgrade permutations that must be tested, allowing Brocade to spend more effort ensuring the supported migration paths are thoroughly and completely verified.

Only products based on 4G and 8G capable ASICs are supported by Fabric OS v6.1. Older products utilizing previous generation 2G ASICs will remain on the FOS v5.x code stream. FOS v5.x is fully compatible in fabrics with FOS v6.1, as well as for routing. The Brocade 12000 is not supported with FOS v5.3.0; it remains supported only on FOS v5.0.x releases.

All products supported by Fabric OS v6.0 can be upgraded to Fabric OS v6.1.

Products that can be upgraded to Fabric OS v6.1:

- 4012/4016/4018/4020/4024/4424, 4100, 4900, 5000, 7500, 7600, 200E, 48000, and DCX.

Scalability

All scalability limits are subject to change. Limits may be increased once further testing has been completed, even after the release of Fabric OS. For the most current scalability limits for Fabric OS,

refer to the *FOS Scalability Matrix* document.

Scalability limits for Fabric OS v6.1.0 are essentially the same as those limits supported by FOS v6.0. Fabrics of up to 6000 virtual or physical connections (WWNs logged into a single fabric) and 56 domains (domain support is the same as on previous FOS releases) can be supported on DCX and 5300. Other products running FOS v6.1 will retain the same fabric limits as FOS 5.3.x for non-routed fabrics (i.e., L2 only, 56 domains and 2560-ports).

When operating in Native Connectivity modes (interopmode 2 or 3), different scalability limits are supported. For both interopmode 2 and 3, fabrics of up to 2048 virtual or physical connections (WWNs logged into a single fabric) and 31 domains are supported. This is an increase from FOS 6.0 for intermode 3, which only supported up to 800 connections and 15 domains in a fabric.

Supported FCR scalability limits have increased in a few areas, and some new limits are included to reflect the new Integrated Routing support. Supported limits are noted in the following table (new additions and changes are noted in **bold**).

Routed scalability limits are noted in the table below.

Fibre Channel Routing Scalability (Tested/Supported Limits)	
Max # edge fabrics per metaSAN	**48/**48
Max # edge fabrics per chassis	16/**16 (7500 & FR4-18i in 48k or DCX)** **24/32 (5100 & 5300)** **24/48 (DCX)**
Max # switches per edge fabric (FOS)	26/26
Max # switches per edge fabric (M-EOS fabric) [1]	16/ 16
Max # WWNs per edge fabric (M-EOS fabric) [1]	800/1500
Max # imported devices per fabric (M-EOS fabric) [1]	300/1000
Max # L2 switches per backbone fabric	12/12
Max # FCR's per backbone fabric	12/12
Max # WWNs per edge fabric (FOS)	1200/1500
Max # WWNs per backbone fabric	512/1024
Max # imported devices per fabric	1000/1000
Max # LSAN device per metaSAN	10000/10000
Max # LSAN zones per metaSAN	3000/3000[2]
Max # devices per LSAN zone	64/64

Fibre Channel Routing Scalability (Tested/Supported Limits)	
Max # hops between edge switches	12/12
EX_Ports per FCR (48K/DCX with FR4-18i)	32/**32**
EX_Ports per FCR (DCX with Integrated Routing)	64/64
EX_Ports per chassis with Integrated Routing (DCX/5300/5100)	**128/80/40 / 128/80/40**

Table Notes:

[1]M-EOS fabrics must be running M-EOS 9.6.2 firmware or later.

[2]All BB FCRs with Fabric OS v6.0.0 and above. For M-EOS edge fabrics prior to v9.6 the limit is 1024 zones. For M-EOS edge fabrics operating with 9.6.x or later, the limit is 2048 zones.

Other Notes:

1) IPFC over FCR is only supported for edge to edge.

2) FC Fast Write is only supported for edge to edge.

3) The backbone cannot run in interopmode 2 (McDATA Native Interop) or 3 (Open mode). It must be in FOS native mode.

4) All limits apply to Integrated Routing as well as FCR on 7500/FR4-18i unless otherwise noted.

FICON Support

FOS v6.1.0 provides full FICON CUP support in FOS/MEOS mixed fabrics operating in Interop Mode 2. This support is available in fabrics with DCX, 5300, 5100, 6140 and Mi10k.

FOS v6.1.0 also adds support for configuring the MIHPTO (Missing Interrupt Handler Primary Timeout) value.

FOS v6.1.0 includes enhanced CUP statistics counters comparable to those supported in M-EOS.

The FC4-48 and FC8-48 Fibre Channel port blades are not supported to connect to System z environments via FICON channels or via FCP zLinux on System z. To attach the Brocade 48000 or DCX to the System z environment, use an FC4-16, FC4-32, FC8-16 or FC8-32 Fibre Channel port blade**.**

Other Important Notes and Recommendations

Adaptive Networking/Flow-Based QoS Prioritization:

- When using QoS in a fabric with 4G ports or switches, FOS v6.0 or later must be installed on all products in order to pass QoS info. E_Ports from the DCX to other switches must come up AFTER 6.0 is running on those switches.

- Flow based QoS is NOT supported on 8G blades in 48k
- Any products that are not capable of operating with FOS 6.0 may NOT exist in a fabric with Flow based QoS. Major problems will occur if previous generation 2G products exist in the fabric.

FCR Backbone Fabric ID change:

- With FC8 blades, the switch must be disabled to change the backbone fabric ID
- With routing and dual backbone fabrics, the backbone fabric ID must be changed to keep the IDs unique.

Integrated Routing

- Ports 16-47 on the FC8-48 blade may not be used as Ex_Ports. Only ports 0-15 should be used for FCR on the 48-port blade.

FCS Automatic Distribution

- When using the FCS Automatic Distribution feature in Fabric OS v6.0 or later, all switches in the fabric must be running FOS v6.0 or later. If any switches are running FOS v5.x or earlier, only manual distribution can be used.
- FOS v6.0 or later will only allow FCS automatic distribution when in strict mode, requiring only switches with FOS v6.0 or later.

Access Gateway

- When in Access Gateway mode, the Automatic Port Configuration policy may not work when attached to M-EOS switches. M-EOS ports should be set to G_port to prevent problems with port type discovery.
- Ports 16-47 on the FC8-48 blade may not be used for AG F_Port Trunking connections.

10G Interoperability

- 10G interop between FC10-6 and McDATA blades is not supported due to a HW limitation, however the FC10-6 is supported in a chassis running in Interopmode 2 or 3 (FC10-6 to FC10-6 connections only). An FC10-6 blade will not synchronize with a McDATA 10G blade but will not negatively impact the system.

Traffic Isolation over FCR

- All switches and Fibre Channel Routers both in edge and backbone fabrics must be running FOS v6.1.0 in order to support this feature.
- It is essential to have “fail-over” policy ENABLED in all edge fabrics that are part of the traffic isolation zones, in order for the proper functioning of Traffic Isolation over FCR.

FICON CUP Cascading

- All switches must be running FOS v6.1.0 in order to support this feature

Port Fencing

- The default settings for port fencing have very low thresholds, and may fence ports that experience a small number of errors. **It is recommended that these threshold values be increased for use in production environments.** Different platforms may require different

threshold settings for optimum behavior. Port Fencing is only available with the optional Fabric Watch license.

Port Mirroring

- Proper behavior of Port Mirroring functionality requires that the entire frame path must contain either only 8G ASICs or only 4G ASICs. If a frame path contains a mix of 8G and 4G ASICs then this functionality will not work as intended.

Documentation Updates

This section provides information on last-minute additions and corrections to the documentation. The most recent Fabric OS v6.1.0 documentation manuals are available on the Brocade Partner Network: *http://partner.brocade.com/*

Brocade Fabric OS Administrator's Guide (Publication Number 53-1000598-03)

On page 349, replace the NOTE in the middle of the page with the following:

> **NOTE:** For TI over FCR, all switches in the backbone fabric and in the edge fabrics must be running Fabric OS v6.1.0 or later.

On page 351, in the section "Limitations of TI zones over FC routers," add the following bulleted item:

- For TI over FCR, failover must be enabled in the TI zones in the edge fabrics. The failover mode for TI zones in the backbone fabric can be enabled or disabled.

On page 359, in step 2b, replace the sample commands with the following:

```
E1switch:admin> zone --create -t ti TI_Zone1 -p "4,8; 4,5, 1,-1; 6,-1"
E1switch:admin> zone --show
Defined TI zone configuration:
TI Zone Name:   TI_Zone1
Port List:      4,8; 4,5; 1,-1; 6,-1
Status: Activated      Failover: Enabled
```

On page 360, in step 3b, replace the sample commands with the following:

```
E2switch:admin> zone --create -t ti TI_Zone1 -p "9,2; 9,3; 9,6; 1,-1;
4,-1"
E2switch:admin> zone --show
Defined TI zone configuration:
TI Zone Name:   TI_Zone1
Port List:      9,2; 9,3; 9,6; 1,-1; 4,-1
Status: Activated      Failover: Enabled
```

On page 361, in step 4a, replace the sample commands with the following:

```
BB_DCX_1:admin> zone --create -t ti TI_Zone1 -p "1,9; 1,1; 2,4; 2,7;
10:00:00:00:00:08:00:00; 10:00:00:00:00:02:00:00;
10:00:00:00:00:03:00:00"
BB_DCX_1:admin> zone --show
Defined TI zone configuration:
TI Zone Name:   TI_Zone1
```

```
Port List:      1,9; 1,1; 2,4; 2,7; 10:00:00:00:00:08:00:00;
10:00:00:00:00:02:00:00; 10:00:00:00:00:03:00:00
Status: Activated      Failover: Enabled
```

On page 365, in the section "Supported configurations for traffic prioritization," change the bulleted item "To be assigned high or low priority…" to the following:

- To be assigned high or low priority, hosts and targets must be connected to one of the following:
    - Brocade 300
    - Brocade 5100
    - Brocade 5300
    - FC8-16, FC8-32, or FC8-48 port blade in the Brocade DCX platform.

Defects

Open Defects in Fabric OS v6.1.0

This section lists defects with Critical, High and Medium Technical Severity open in Fabric OS v6.1.0 as of Thursday, March 6, at 12:41 pm. While these defects are still formally "open," they are unlikely to impede Brocade customers in their deployment of Fabric OS v6.1.0 and have been deferred to a later release.

None of these defects have the requisite combination of probability and severity to cause significant concern to Brocade customers.

Note that when a workaround to an issue is available, it is provided; otherwise, no recommended workaround is available at this time.

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Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000208573	High	Summary: Under rare conditions, Fabric mode TopTalker monitor does not display correct flow values. Symptom: Fabric mode TT monitor counters show 0 when traffic is running thru the switch. Probability: Medium Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000208578	High	Summary: Attempting to configure port mirroring on a director with both 4G and 8G blades, may result in a software Verify error Symptom: When configuring a port mirror, a software verify error may be seen. Probability: Low Feature: Platform Services Function: C2 ASIC driver Reported in Release: FOS6.1.0
DEFECT000209343	High	Summary: After running bladedisable/enable on one FC8-48 blade for 6 hours, DCX panics Symptom: May see DCX panic with "ASSERT - Failed expression: vfid <= ((0x709000-0x708000)/4), file = /../asic/condor2/c2_vf.c, line = 193, ... Workaround: switch reboot; after panic switch comes back up. Probability: Low Feature: DCX Platform Services Function: ASIC Driver Reported in Release: FOS6.1.0
DEFECT000210703	High	Summary: fcr matrix settings may not persist after hafailover on 48k Symptom: Some settings of fcr matrix are missing after hafailover. Probability: Low Feature: FCR Function: FCR HA Reported in Release: FOS6.1.0
DEFECT000211420	High	Summary: Even after removing port mirroring configuration, the traffic is mirrored. Symptom: Even if no SID/DID pairs are configured for port mirroring, traffic still flows on the mirror port. Workaround: Disable the sid/did pair or disable the mirror port Probability: High Feature: Brocade 300 Platform Services Function: ASIC Port Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211609	High	Summary: When disabling/enabling a port, port fencing disables the port because invalid transmission words is exceeded Symptom: Customer's port is disabled because of invalid transmission words that occurred when the port is offline. Probability: High Feature: Fabric Infrastructure Function: Fabric Watch Reported in Release: FOS6.1.0
DEFECT000211697	High	Summary: ag --show on AG-300 shows incorrect edge switch IP addr after a Slave Port is swapped with an Nport outside of the trunk group. Symptom: "ag --show" on AG-300 shows incorrect edge switch IP addr Workaround: reboot the switch in order for ag --show cli to show correct output Probability: High Feature: Access Gateway Services Function: CLI Reported in Release: FOS6.1.0
DEFECT000212267	High	Summary: Under rare conditions, DCX Panic during SAK IRNDUP due to software watchdog detected unexpected termination ficud Symptom: Interface Control Checks Probability: Medium Feature: RAS Function: RAS Trace Reported in Release: FOS6.1.0
DEFECT000204929	High	Summary: With some specific HBAs, proxy devices disappear after running IP over FC traffic across single FCR Symptom: Customer may see IP over FC traffic disruption with specific HBAs Probability: Low Feature: FCR Function: FCR Daemon Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000205757	High	Summary: IP over FC communication across FCR stops after changing a domain ID of the edge switch Symptom: IP over FC traffic might stop after changing domain ID of edge switches Probability: Low Feature: FCR Function: FCR Daemon Reported in Release: FOS6.0.0
DEFECT000205772	High	Summary: Proxy devices go offline / online in a dual BB, IP over FC configuration without running any ping or I/O Symptom: Customer may see proxy devices go offline / online after configuring IPFC in a dual BB fabric Probability: Medium Feature: FCR Function: FCR Daemon Reported in Release: FOS6.0.0
DEFECT000209907	High	Summary: IP over FC Hosts may not be able to ping each other after the host reboots. Symptom: PCs were not able to ping each other using IP over FC after a host reboot. Workaround: Disable and enable the port to which the rebooted host is connected Probability: Low Feature: Platform Services Function: C2 ASIC driver Reported in Release: FOS6.1.0
DEFECT000210625	High	Summary: Repeated switchdisable/switchenable on core switches in edge fabric, caused FC8-48 blade with EX_Ports in backbone DCX to fault. Symptom: FC8-48 blade (with EX_Ports) in backbone DCX faulty. Workaround: slotpoweroff/slotpoweron the faulted blade Probability: Low Feature: DCX Platform Services Function: FOS Kernel Driver Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211529	High	Summary: Internal server ports on embedded platform: traffic stops due to loss of buffer. credit. Symptom: May see traffic stop on embedded platform when running in AG mode. Workaround: Reset the ports Probability: Low Feature: Embedded Platform Services Function: ASIC Driver Reported in Release: FOS6.1.0
DEFECT000211888	High	Summary: Under some rare conditions, user may observe Intermittant Channel Timeouts running SAK to CUP Port Symptom: Interface control checks Probability: High Feature: FC Services Function: FICON Reported in Release: FOS6.1.0
DEFECT000212287	High	Summary: Missing some routing frames between members of a large default zone Symptom: Unreliable connectivity - timeouts and aborts due to frame drops between initiators and targets. Probability: High Feature: Native Interop Function: NS Reported in Release: FOS6.1.0
DEFECT000212310	High	Summary: Ports are left disabled on Power-up after port with large virtual-node count comes online Symptom: Ports remain disabled following switch power-up, after a port with a large virtual node count comes online. Workaround: enable ports that are left disabled from CLI Probability: Low Feature: Brocade 5100 Platform Servies Function: Blade Driver Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000212379	High	Summary: Configuration Download fails for Fabric Watch parameters from DCFM Symptom: FW parameter changes in NI mode requires switchdisable. Workaround: Switchdisable, configure the FW parameters. Probability: High Feature: Fabric Infrastructure Function: Fabric Watch Reported in Release: FOS6.1.0
DEFECT000212415	High	Summary: User may need to change TI zone member in order to modify TI Zone property (failover setting) Symptom: Unable to modify TI zone property alone. Workaround: Use configupload/download to change the TI zone. Or modify the member and the property (failover disable/enable) together. Probability: Low Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0
DEFECT000212419	High	Summary: WT: TI failover policy reverts back to disabled from enabled after enabling the config Symptom: TI failover policy is reverted back to disabled. Workaround: Use cli to enable config or reenable the config after it is disabled Probability: Low Feature: Mgmt Embedded - HTTP Function: Zone Admin Reported in Release: FOS6.1.0
DEFECT000202155	High	Summary: GigE port reports CRC Errors when Compression/ IPSec turned on with FICON Traffic Symptom: CRC Errors indicated but no channels errors recorded Workaround: The work around is to disable IP Sec operations on the tunnel. It also appears that reducing the committed bandwidth rate also reduces the occurrences of reported CRC errors. Probability: High Feature: FCIP Function: FCIP I/O Reported in Release: FOS5.3.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000203433	High	Summary: Long delays on Modify Block State command causes missing interrupts with FICON devices Symptom: Customer might see an MVS error message on the console. Probability: Medium Feature: FC Services Function: FICON Reported in Release: FOS6.0.0
DEFECT000203562	High	Summary: Under stress testing, cfgsave takes a long time and fails to propagate on 64 VE-VE FCIP tunnel 33 switch core-edge topology running I/O Symptom: Zone transactions might take longer time to complete. Workaround: Wait until FC traffic consuming the FCIP Tunnels is low and then start the configuration push through the fabric (retry until it works). Probability: Medium Feature: FCIP Function: FCIP Port Reported in Release: FOS6.0.0
DEFECT000204537	High	Summary: In a 12 switch BB fabric with a 1MB zone db, some frame loss seen when doing HCL from 6.0 to 5.3 with LSAN traffic from Brocade 7500 FCR backbone to the edge fabric Symptom: During a downgrade from FOS v6.0 to v5.3 on Brocade 7500 platform, customer might see a few dropped frames. Probability: Low Feature: Infrastructure Function: High Availability Reported in Release: FOS6.0.0
DEFECT000205147	High	Summary: During stress testing, rejecting an MS request causes a specific storage device to panic. Symptom: Inconsistent translate domain might cause some specific edge devices to panic. Workaround: Switchdisable/switchenable on the switch connected to the target controller. Probability: Low Feature: FCR Function: FCR Daemon Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000205304	High	Summary: Some devices stuck in Initializing state from fcrproxydevshow output after disable/enable FCR switch backbone connected to McData Edge (Fabric Mode) Symptom: Some hosts might not see targets due to proxy devices not being imported Workaround: When multiple EX_Ports from the same FCR are connected to multiple McData Edge switches, need to make sure there a least-cost-path between McData switches. Probability: Medium Feature: Native Interop Function: Routing Reported in Release: FOS6.0.0
DEFECT000205893	High	Summary: On a system that has several hundred performance monitors, if all counters are deleted and immediately followed by failover, an oops was seen in some cases Symptom: Customer might see the switch reboot if the specific sequence is followed. Probability: High Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.0.0
DEFECT000206188	High	Summary: During storage failover/failback test with IP over FC, traffic stops and fails to recover in single and dual backbone configurations Symptom: IP over FC traffic across FCR stops and does not recover. Workaround: disable and enable both IP over FC devices Probability: Low Feature: FCR Function: FCR Daemon Reported in Release: FOS6.0.0
DEFECT000206238	High	Summary: CUP Port stuck in Contingent Allegiance State after z9 Host IPL Symptom: CUP Port busy and does not respond to hosts Workaround: Reboot the switch Probability: Medium Feature: FC Services Function: FICON Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000206858	High	Summary: In certain situations, unable to disable a switch which is in interopmode:2(McDATA Fabric mode), with FMS mode enabled. Symptom: Unable to disable a switch which is in interopmode 2 (McDATA Fabric mode), with FMS mode enabled. "switchDisable failed. FICON Management server mode (fmsmode) is enabled, switch could be busy with another command. Please try again later." Workaround: Disable FMS mode and then do switchdisable "ficoncupset fmsmode disable" Probability: Low Feature: FC Services Function: FICON Reported in Release: FOS6.1.0
DEFECT000207948	High	Summary: With a switch in Interop Mode 2 or 3, the Zoning configuration is not being included in configupload Symptom: Zoning configuration is not restored when using configdownload to restore previously backed-up switch configuration. Probability: Low Feature: Native Interop Function: Zoning Reported in Release: FOS6.1.0
DEFECT000208039	High	Summary: In a large fabric (50+ switches), a "switchdisable ; switchenable" action on all switches may result in some switches stuck in F2 (unconfirmed) state. Symptom: after enabling all switches, some switches still have domain unconfirmed and are stuck in "F2" state. Workaround: Disable and enable the switches that are stuck in F2 (domain ID not yet confirmed) state. Probability: Low Feature: FC Services Function: Fabric Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000208808	High	Summary: On highly impaired network, SRDF Link may bounce when a committed rate of zero is used to configure an FCIP link Symptom: Tunnel Failure or very poor performance after link retransmissions when tunnel was configured with a committed rate of 0 (uncommitted). The observation is when latency is > 190ms RTT or, packet loss is >= .1% and latency is >= 50ms RTT. Workaround: Use non zero committed rate for the tunnels. Probability: Low Feature: FCIP Function: FCIP Performance Service Request # : 245313 Reported in Release: FOS6.0.0
DEFECT000209078	High	Summary: When resetting all the hosts on a blade or slotpoweroff/on a blade, 48000 CP reboots due to the Software Watchdog detecting unexpected termination of the Name Server daemon. Symptom: Switch or CP reboots due to software watchdog which detects an unexpected termination of the Name Server daemon. Probability: Low Feature: FC Services Function: Name Server Reported in Release: FOS6.1.0
DEFECT000209397	High	Summary: DHCHAP authentication fails with i10K attached to EX port with valid SCC_POLICY and correct secrets. Symptom: DHCHAP authentication fails on EX port and EX-Port is disabled. Workaround: Disable DHCHAP autentication for i10K to FCR links. Probability: Medium Feature: FCR Function: FCR Security Reported in Release: FOS6.1.0
DEFECT000209825	High	Summary: HCL failure and VERIFY seen when updating firmware on a 5100 switch with EX ports Symptom: May see verify messages when upgrading the FW on 5100. Probability: Low Feature: C2 EX Port Function: FOS Kernel Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000209895	High	Summary: FICON: If the switch name is set using the CLI and then read using the Read Port Address Name x'B2' command to the CUP Port x'FE' it returns the switch name with a x'7F' attach after the last character in the Switch Name. Symptom: If the switch name is set using the CLI and then read using the Read Port Address Name x'B2' command to the CUP Port x'FE' it returns the switch name with a x'7F' attach after the last character in the Switch Name. Probability: High Feature: FC Services Function: FICON Reported in Release: FOS6.1.0
DEFECT000210386	High	Summary: In some instances, HCL on pizza box switches in Interop Mode requires using the -o option. Symptom: Using CLI, cannot perform HCL without using the -o option. User will see the this message during the firmwaredownload process: "Coordinated HotCode Load failure. Firmware partitions are being restored. After restore completes, retry the command or use the -o option to bypass the checking of Coordinated HotCode Load." Workaround: Use the -o option. Probability: Low Feature: Native Interop Function: ESS Reported in Release: FOS6.1.0
DEFECT000210701	High	Summary: NameServer entries on a 4700 may not be accurate in regards to devices on an attached access gateway Symptom: AG ports from the AG are reflected on incorect ports from the 4700's point of view. For example, AG ports are using area 16, but the 4700 shows entries on port 17 as well as entries for other ports that should all be "hidden" behind port/area 16. Probability: Low Feature: Native Interop Function: NS Reported in Release: FOS6.1.0
DEFECT000211065	High	Summary: Remote host RNID request for unavailable port receives F_RJT 0116 from DCX Symptom: May see FRejects with incorrect reason on some error cases. Workaround: none Probability: High Feature: DCX Platform Services Function: ASIC Driver Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211706	High	Summary: IP over FC broadcast frames may not be forwarded across FCR after several cfgenables Symptom: After changing the effective cfg several times on an edge fabric, IPFC host on that edge fabric cannot ping hosts on other edge fabrics. Workaround: Disable and enable IP over FC hosts. Probability: Low Feature: FCR Function: IPFC Reported in Release: FOS6.1.0
DEFECT000211786	High	Summary: iswitchd panic seen on DCX and 5100 while running I/O and switch disable/enable overnight Symptom: switch panic (due to iswitchd) and reboots or fails over to standby Probability: Low Feature: FCR Function: FCR Daemon Reported in Release: FOS6.1.0
DEFECT000211789	High	Summary: Under some rare conditions, DCX switch detects and posts fan fault error messages Symptom: Fan fault error messages Workaround: reseat the blower Probability: Low Feature: DCX Platform Services Function: Sys-Control/EM Reported in Release: FOS6.0.0
DEFECT000211994	High	Summary: AG: "ag --prefshow" shows same fport mapped to multiple preferred N_ports Symptom: may see an fport mapped to multiple preferred N_ports Workaround: ag –prefdel on incorrect N_Ports will clear the wrong mapping Probability: Low Feature: Access Gateway Services Function: CLI Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000212175	High	Summary: Non-TI traffic may be routed to a TI EX-Port and could get dropped at edge when edge TI zone in failover disabled mode Symptom: No-TI traffic may experience frame loss when TI over FCR with failover disabled is active. Workaround: For TI zones that are spanning over the FCR, the TI Failover mode in the edge fabrics should always be set to enable. The TI failover disabled mode in the backbone can be set to enabled or disabled. Probability: High Feature: FCR Function: FCR Daemon Reported in Release: FOS6.1.0
DEFECT000212509	Medium	Summary: After HAReboot, "Probing failed" on F-port messages seen on the Brocade 300, 5100, and 5300. Symptom: Some device ports will not be able to complete login to the switch after a firmware upgrade. The RASLOG will begin accumulating FCPD WARNING messages in the log until the device gives up trying to login to the switch. Workaround: Affected switch needs to be power-cycled or rebooted. Probability: Medium Feature: Brocade 5300 Platform Services Function: ASIC Port Reported in Release: FOS6.1.0
DEFECT000203144	Medium	Summary: F_Port Link initialization failure Symptom: A trace shows the HBA issuing NOS (host is performing a boot loop test) and the switch is not responding to NOS. It should issue OLS in response but continues to send idles (appearing to stay in Active state) for the remainder of the trace. Probability: High Feature: FOS Software Function: ASIC Driver Service Request # : RQST00000064340 Reported in Release: FOS5.2.1

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000206347	Medium	Summary: spinfab and porttest (diagnostics) are not supported on ICL ports Symptom: spinfab and porttest failed on ICL ports with spinfab having error DIAG PORTSTOPPED spinfab:spinfab, 0 nMegs, Pt5/17(113) Ch2/33 No Longer Transmitting, FTX Counter Stuck at 9 Probability: High Feature: Tech Pubs Function: Guides Reported in Release: FOS6.1.0
DEFECT000211194	Medium	Summary: Command fcrproxydevshow has not been modified to refelect TI zones Symptom: May not find that the command fcrproxydevshow is not reflecting the state of their TI zones as expected. Probability: Low Feature: FCR Function: FCR CLI Reported in Release: FOS6.1.0
DEFECT000211929	Medium	Summary: 48000 with 8G blades may see Verify message following POST if Top Talker monitors are installed. Symptom: When TT filters are installed on a 48000 with 8G blades, a VERIFY message "...'psd' Last syscall: 54 VERIFY - Failed expression: dom, file =..." may be observed after the blade completes POST. Workaround: None necessary since the Verify is harmless. Probability: Medium Feature: Platform Services Function: C2 ASIC driver Reported in Release: FOS6.1.0
DEFECT000212014	Medium	Summary: Unexpected F_RJT's to FICON channels attempting connection to DASD on 5100 Symptom: No externally visible symptom unless F_RJT for RNID persists through 5 retries. Probability: High Feature: Platform Services Function: Routing Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000207908	Medium	Summary: Duplicated WWN was detected and message reported on the console of DCX switch with AG connected Symptom: When there is a failover of N_Ports on an AG, a duplicate WWN warning message may be seen. Probability: Low Feature: Tech Pubs Function: Release Notes Reported in Release: FOS6.1.0
DEFECT000209119	Medium	Summary: Power cycling a DCX with unsupported blades will also cause the AP blades to fault. Symptom: After power cycle, all AP blades are faulty along with the unsupported blade. Workaround: Removed the unsupported blades prior ro power cycle. Probability: High Feature: Tech Pubs Function: Release Notes Reported in Release: FOS6.1.0
DEFECT000202706	Medium	Summary: S_ID for virtual nodes not cleared from port CAM upon explicit LOGO Symptom: There might not be any visible symptom to the customer. Workaround: The extraneous CAM entries are cleared following a disable / enable of the target port. Probability: Medium Feature: FC Services Function: Name Server Reported in Release: FOS6.0.0
DEFECT000205596	Medium	Summary: Port Based Routing with DLS ON does not immediately balance load when adding an ISL Symptom: New ISL not being utilized Workaround: Not required: corner case and the routes will get recovered after some CPU cycles without any manual intervention Probability: Low Feature: DCX Platform Services Function: Routing Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000205657	Medium	Summary: USB port LED of DCX CP blade stays ON after HA failover Symptom: USB port LED of DCX CP blade stays ON after HA failover. Probability: High Feature: OS Services Function: Linux Kernal Reported in Release: FOS6.0.0
DEFECT000206045	Medium	Summary: fcrfabricshow does not display IPv6 addresses from native and open interop modes edge fabrics. Symptom: Customer may not be able to see the IPv6 addresses from the edge fabrics configured in native and open interop modes. Workaround: Customer can go to the edge fabric to find the ip address. Probability: High Feature: FCR Function: FCR CLI Reported in Release: FOS6.0.0
DEFECT000206126	Medium	Summary: On 7600 observed the message "EXT3-fs error ..." and switch reboots Symptom: When the error condition "EXT3-fs error (device hda2): ext3_readdir: bad entry in directory" is encountered, the swtich will reboot. Probability: Low Feature: OS Services Function: Linux Kernal Reported in Release: FOS6.0.0
DEFECT000207951	Medium	Summary: Under rare conditions during blade initialization, user may see low SFP input voltage error messages. Symptom: During blade initialization, customer may see harmless warning messages like: "2007/11/16-22:22:29, [FW-1050], 896,, WARNING, DCX_TOP_256, Sfp Supply Voltage for port 3/0, is below low boundary(High=3600, Low=3150). Current value is 0 mV." Probability: Medium Feature: Platform Services Function: FOS Kernel Drivers Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000210234	Medium	Summary: certain "...show" commands not allowed in AD0 when switch is included in user defined AD Symptom: Some show commands will not be allowed in AD0. Workaround: Log into the AD which includes the switch to run the desired show commands. Probability: Low Feature: FC Services Function: Other Reported in Release: FOS6.1.0
DEFECT000211408	Medium	Summary: May observe I/O timeouts if FC fastwrite is enabled on all the four ports in the port group and each port is capable of doing I/O at line rate. Symptom: I/O timeouts in the FC fastwrite enabled ports. Workaround: Not to push the limits. Probability: High Feature: Platform Services Function: FOS Kernel Drivers Reported in Release: FOS6.1.0
DEFECT000211707	Medium	Summary: In McData interop mode, devices may fail to see storage due to not registering FC4 type. Symptom: Host may fails to see storage device in NI mode. Probability: Low Feature: FC Services Function: Name Server Reported in Release: FOS6.1.0
DEFECT000211930	Medium	Summary: RTWR failure seen after HCL if another switch is disabled and enabled during the HCL process. Symptom: May see RTWR after FW upgrade when another switch is disable/enabled. Probability: Low Feature: Routing Function: Brocade 5300 Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000212416	Medium	Summary: SW_RSCN's for RSCN's generated by attached nodes are not being handled in McDATA Mode Symptom: RSCN's are not received for notifications generated by nodes in common zones that are attached to remote domains. Probability: High Feature: FC Services Function: Name Server Reported in Release: FOS6.1.0
DEFECT000212421	Medium	Summary: WebTools-Configdownload fails with modes 2 to 3, 3 to 0, 3 to 2 and doesn't clear zoning database for any configdownloads Symptom: Configdownload from webtools in mode2 or mode3 is not working as expected. Zone database is not cleared. Workaround: Using CLI to perform the configdownload Probability: Low Feature: Mgmt Embedded - HTTP Function: Switch Admin Reported in Release: FOS6.1.0
DEFECT000212560	Medium	Summary: No RSCN sent to QoS zone members if member is also in TI zone with failover disabled Symptom: No RSCN notification to host Workaround: Use D,P zoning for TI devices. Which also implies no QoS support for TI zone. Probability: High Feature: FC Services Function: Name Server Reported in Release: FOS6.1.0
DEFECT000201433	Medium	Summary: Time Server configuration settings might not get updated if downloading through Fabric Manager or WebTools. Symptom: Some time-server configuration might not be updated after config-download Workaround: configdownload through CLI if config file has tsclockserver parameter changes Probability: Medium Feature: Fabric Infrastructure Function: Security Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000201489	Medium	Summary: Not getting SwitchID info in the GSWITCH4 call for phantom domains. Symptom: SMI response to GSWITCH4 call for phantom domains with have incomplete data. Probability: High Feature: FCR Function: FCR Daemon Reported in Release: FOS5.3.0
DEFECT000201534	Medium	Summary: Error thrown on deleting IPv6 address and clearing all the SysLog IP's from WT. Symptom: User will be misled stating that the SysLog IP have not been cleared, but in reality it has been deleted. Workaround: Do not clear off IPv6 and SysLog IP in the same operation. Probability: High Feature: RAS Function: RAS Log Reported in Release: FOS6.0.0
DEFECT000202674	Medium	Summary: Configdownload fails when downloading the configuration having only defined ADs Symptom: Configdownload fails. Probability: High Feature: Embedded Function: FC Service Reported in Release: FOS5.3.0_emb
DEFECT000203047	Medium	Summary: Issuing portcamshow with NPIV (>250 devices) results in some incorrect DID and SID entries Symptom: No visible impact to customer other than incorrect portcamshow output Probability: Low Feature: Platform Services Function: ASIC Driver Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000203286	Medium	Summary: Redundant SW_RSCNs sent from FOS to M-EOS switches in NI Mode when FOS has a large number of logins on a single port. Symptom: No visible symptoms to the customer. Workaround: No real workaround needed because fabric stability is not affected. Probability: Low Feature: Native Interop Function: NS Reported in Release: FOS6.0.0
DEFECT000203446	Medium	Summary: Upon moving EX-Ports from one BB switch to another BB switch (without changing the EX_Port FID), a mismatch of lsanzone database occurred between BB switches Symptom: Upon moving Ex-Port links to different switch in BB, I/O may be lost. Probability: High Feature: FCR Function: FCR Port Reported in Release: FOS6.0.0
DEFECT000203710	Medium	Summary: PG policy (default for 6.x) does not get automatically enabled when upgrading from a v5.3 or prior release. Symptom: Customer might notice incorrect policy settings after upgrade. Workaround: ag --policyenable pg Probability: High Feature: Access Gateway Services Function: CLI Reported in Release: FOS6.0.0
DEFECT000204084	Medium	Summary: WebTools Rename is not working for core blade when FICON CUP is enabled on the switch Symptom: WT Rename not working for core blades Probability: Medium Feature: FC Services Function: FICON Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000204158	Medium	Summary: supportSave does not capture information from Standby CP. Symptom: When capturing support information (supportSave), only the active CP details are captured. To get the details of standby CP, an additional supportSave must be issued directly on the standby CP. Workaround: Open a telnet connection to standby and run supportsave CLI to obtain support information on the standby. Probability: High Feature: RAS Function: FFDC/Supportsave Reported in Release: FOS6.0.0
DEFECT000204400	Medium	Summary: After bladedisable/enable of port blades and HAfailover on DCX, found many WARNING messages Symptom: WARNING ASIC error: slot8 [BL-5215] Nept_200, ASIC error/fault message received for chip = 0, OID:0x43811080, pen_chip.c Probability: High Feature: DCX Platform Services Function: ASIC Other Reported in Release: FOS6.0.0
DEFECT000204514	Medium	Summary: fwshow RX/TX performance displays ZERO on the port receiving & transmitting full speed 8G traffic Symptom: Customer might notice incorrect output from fwshow Workaround: Use fwconfigure instead of fwshow to get this data. Probability: Medium Feature: Fabric Infrastructure Function: Fabric Watch Reported in Release: FOS6.0.0
DEFECT000204836	Medium	Summary: Blade status LED may blink yellow although the blade is Enabled and Online in DCX chassis. Symptom: Customer might notice incorrect LED state on the blade. Workaround: slotpoweroff/slotpoweron of the blade with blinking LED Probability: Low Feature: DCX Platform Services Function: Sys-Control/EM Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000204841	Medium	Summary: In some specific configurations, when devices are re-assigned from one AD to another, D/P zoning is not enforced Symptom: Zoning not enforced, so an invalid configuration would appear to customer to be fine. Probability: Low Feature: FC Services Function: Zoning Reported in Release: FOS6.0.0
DEFECT000204853	Medium	Summary: Traffic Isolation zone CLI does not prevent sharing paths among TI zones, and sharing devices among TI zones Symptom: TI zone activation failures Workaround: Don't configure the same member in multiple TI zones. Probability: Medium Feature: FC Services Function: Zoning Reported in Release: FOS6.0.0
DEFECT000204882	Medium	Summary: RBAC users created under the role "securityadmin" cannot view Access Gateway configuration. Symptom: User will observe that RBAC users created under role "securityadmin" cannot view Access Gateway configuration. Workaround: Use admin role. Probability: High Feature: Access Gateway Services Function: CLI Reported in Release: FOS5.3.0_emb
DEFECT000204959	Medium	Summary: In some scenarios, user defined VI is not getting removed from Name server after un-registering the VI Objects Symptom: Customer might notice stale entries in the name server Probability: Low Feature: FC Services Function: Name Server Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000204966	Medium	Summary: Adding a Brocade switch with conflicting domain ID into an EOS fabric may cause another switch to segment. Symptom: Customer might notice a segmented fabric. Workaround: Configure new switches to a domain ID not already present in the fabric. Probability: Low Feature: Native Interop Function: Fabric Reported in Release: FOS6.0.0
DEFECT000205039	Medium	Summary: Changing Interop mode from mode-0 to mode-2 or 3 and then back to mode-0 leads to I/O failure following a cfgdisable and enable Symptom: May see loss of device connectivity when changing switches interop mode multiple times. Workaround: Toggle the local zoned device on the 5000 Probability: Low Feature: Native Interop Function: Zoning Reported in Release: FOS6.0.0
DEFECT000205113	Medium	Summary: In some scenarios, when LSAN zones (that exceed the supported limit) were propagated to an EOS native edge fabric, the zone set was committed instead of rejecting the invalid zones. Symptom: If propagating invalid zone configuration, customer might see that its committed Workaround: Remove the LSAN zones that FCR accepted which other EOS switches rejected during zone activation. Probability: Low Feature: FCR Function: FCR Daemon Reported in Release: FOS6.0.0
DEFECT000205237	Medium	Summary: Management server command xF03 is rejected with Platform name already exists Symptom: FPorts unable to log in to Access Gateway Probability: Medium Feature: Access Gateway Services Function: Daemon Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000205327	Medium	Summary: With v5.3.0 FOS as proxy,ConfigUpload fails on v5.2.1b FOS switch Symptom: Customer might notice a configUpload failure Workaround: User can directly login to the target switch and perform config upload instead of doing it through proxy. Probability: Medium Feature: Mgmt Embedded - RPCD Function: Other Reported in Release: FOS6.0.0
DEFECT000205461	Medium	Summary: Only medium priority flows are allowed between edge fabrics and the rest are blocked Symptom: QoS priorities are carried only within the edge fabric (and not across the backbone) Probability: Low Feature: FC Services Function: Fabric Reported in Release: FOS6.0.0
DEFECT000205552	Medium	Summary: Config Download doesn't prevent downloading of strict-mode policy in interop mode Symptom: Able to install config file that sets the fabwidecfg SCC policy to Strict after following steps: 1) Upload a config file from a Brocade switch (configupload) 2) Modify and the following parameter in the config file fdd.fabwidecfg:SCC:S 3) Download the modified config file to the switch (configdownload) Workaround: Use EFCM full version for configuring an interop fabric. Customer should not be configuring a B-model switch in interopmode using configdownload. Probability: Medium Feature: Native Interop Function: L2 Security Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000206093	Medium	Summary: ISL between a 7500 in interopmode 3 (Open) and i10K in Open Mode segments due to E-Port unknown Symptom: May not be able to form a link between FOS Open Mode switch and an i10K in Open Mode. Appears to be caused by zone conflict. Workaround: Verfiy compatibility of all switch settings prior to merging switches. Probability: Low Feature: Native Interop Function: Open Mode Reported in Release: FOS6.0.0
DEFECT000206100	Medium	Summary: In a dual BB configuration, host on EOS v9.6.2b4 edge switch may not see devices imported from one BB. Symptom: In dual BB configuration, an edge switch running EOS 9.6.2 build4 does not see all disks that are connected to only 1 BB Workaround: Appears to be an RSCN timing issue. Toggling any of the involved device ports should correct the issue. Probability: Medium Feature: FCR Function: FCR Daemon Reported in Release: FOS6.0.0
DEFECT000206159	Medium	Summary: SNMP-1004 FFDC data get generated after the F/W downgrade from FOS v6.0 to v5.3.0b. Symptom: Customer may see SNMP-1004 FFDC core file get generated after performing the F/W downgrade. Probability: Low Feature: Mgmt Embedded - SNMP Function: Other Reported in Release: FOS6.0.0
DEFECT000206329	Medium	Summary: Error message appears when configuring port speed on internal ports on Brocade 4424 through Webtools even though port speed is set. Symptom: When setting the port speed on an internal port through webtools, the following error message appears: "Error: Failed to configure port 1. Server returned HTTP response code: 500 for URL: http://10.32.181.5/cal.xml". Even though there is an error, the port speed is still configured to the correct speed that was set. Probability: High Feature: Embedded Function: Platform Reported in Release: FOS5.3.0_emb

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000206760	Medium	Summary: If user selects authentication type as "all", in interop modes the default authentication type is still FCAP between FOS switches. Symptom: Authentication will fail between two FOS switches in interop mode if the authentication type is set to "all". FCAP requires PKI certificates and the PKI commands are currently blocked in interop modes. Workaround: Set authentication type to DHCHAP Probability: Low Feature: Native Interop Function: Other Reported in Release: FOS6.1.0
DEFECT000206856	Medium	Summary: Bogus core_file created and transferred after the first reboot after a firmwaredownload Symptom: Creation and transfer of a xxx.core_file.tar file to the FTP server that could not be opened after a reboot operation. Probability: Low Feature: RAS Function: FFDC/Supportsave Reported in Release: FOS6.1.0
DEFECT000207091	Medium	Summary: Configdownload fails on 48K with ficuImport() failed with rc = -18 Symptom: When the switch is in FMS mode, configdownload will return an error. Probability: High Feature: FC Services Function: FICON Reported in Release: FOS6.1.0
DEFECT000207126	Medium	Summary: Invalid IPv6 iproute automatically gets created while creating an IP route Symptom: May see an Invalid IPv6 iproute when routes configured are displayed Workaround: Ignore the route table entry displayed. Probability: Low Feature: FCIP Function: FCIP CLI Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000207213	Medium	Summary: In interop mode 2, with Default Zone enabled, only able to activate 2047 Zones per Zone Set Symptom: Webtools and CLI appears to activate the 2048 zone - zone set, but actually never does. Probability: Low Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0
DEFECT000207322	Medium	Summary: Unable to activate a large Zone Set from Web Tools when Defined and Effective are close to 1Mb. Symptom: Large zone set activations fails from Web Tools, but works in CLI for FOS only Fabric in Interop mode Workaround: Use CLI Probability: Low Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0
DEFECT000207366	Medium	Summary: Inconsistencies seen for topologyshow and islshow bandwidth on 5300 and 300 switches Symptom: ISLSHOW and TOPOLOGYSHOW ouput will be inconsistent Probability: Low Feature: Routing Function: Brocade 300 Reported in Release: FOS6.1.0
DEFECT000207386	Medium	Summary: Via Webtools, It is possible to set the new password same as the last one password. Symptom: User is able to the previous password used via webtools. The correct behavior is he should not be able to change to last 5 previous passwords. Workaround: Use CLI to change the password. Probability: Medium Feature: Mgmt Embedded - CAL Function: Other Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000207431	Medium	Summary: Webtools: zone admin page may not automatically refresh, when a zoning configuration is enabled from McDATA switch. Symptom: Webtools zone admin page may not automatically refresh when there is a change in the zoning database. Workaround: User can manually refresh the page Probability: High Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0
DEFECT000207432	Medium	Summary: FA4-16 and FR4-18i blades in DCX chassiss may fail sysverification tests Symptom: FA4-16 or FR4-18i blade in DCX chassis failing system verification test Workaround: Rerun system verification Probability: Low Feature: Diagnostics Function: Other Reported in Release: FOS6.1.0
DEFECT000207478	Medium	Summary: LIRR database has incorrect NPID / WWN associations for FLOGI port and first NPIV registrant. Symptom: RLIR's for virtual nodes may be directed to the wrong port. LIRR for base port is missing from the database Probability: High Feature: Fabric Infrastructure Function: Mgmt Server Reported in Release: FOS6.1.0
DEFECT000207483	Medium	Summary: Inconsistency seen between portcfgqos and portcfgshow when setratelimit is 4000 or 5000 Symptom: When user sets setratelimit using the portcfgqos command, then checks the rate limit using the portcfgshow command, the values are not the same for rates of 4000 and 5000. Probability: Medium Feature: QOS Function: Platform Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000207551	Medium	Summary: spinfab test fails on random ports Symptom: spinfab failures seen on random ports with ERROR: DIAG PORTSTOPPED spinfab:spinfab, 0 nMegs Workaround: rerun test Probability: Medium Feature: Routing Function: Legacy Platforms Reported in Release: FOS6.1.0
DEFECT000207734	Medium	Summary: Webtools: under some conditions suggested bandwidth for FCIP tunnel may be lower than available Symptom: Suggested bandwidth may be lower than actual via webtools wizard. Workaround: Determine the real amount of bandwidth dedicated for the FCIP connection via some other means (network admin). Probability: Low Feature: FCIP Function: FCIP CLI Reported in Release: FOS6.1.0
DEFECT000207759	Medium	Summary: Certain blade servers may not be able to access targets after an NPIV failover between DCX and 48K if target is accesed across FCR Symptom: hosts not able to access targets after NPIV failover between DCX and 48K with targets accross FCR link if there is more than 1 ex-port attached to the switches where the targets are logged in Workaround: If only 1 ex-port is attached to the switches which contain the targets in FID7 the npiv failover works in this setup Probability: Low Feature: FCR Function: FCR Daemon Reported in Release: FOS6.1.0
DEFECT000207770	Medium	Summary: In a large edge fabric, after repeated switch or trunking disable/enable on the core switch, fabric rebuild may take several minutes to complete. Symptom: RTWR failures may be seen until the fabric rebuild completes. Probability: Low Feature: Routing Function: DCX Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000208189	Medium	Summary: Auditcfg not persistent through hareboot Symptom: Audit log stops after hareboot. Workaround: re-enter auditcfg parameters Probability: Low Feature: RAS Function: RAS Audit Reported in Release: FOS6.1.0
DEFECT000208199	Medium	Summary: FICON Channel loops RRQ link exchange times out then receives BA_ACC Symptom: Channel slows way down Probability: Medium Feature: FC Services Function: FICON Reported in Release: FOS6.1.0
DEFECT000208340	Medium	Summary: A user can still issue certain commands after the current AD has been deleted Symptom: A user can perform unauthorized actions from a deleted AD Probability: High Feature: Fabric Infrastructure Function: RBAC Reported in Release: FOS6.1.0
DEFECT000208466	Medium	Summary: If QoS and Diff Serv are enabled, some FCIP tunnels may not come online in case of 8 to 1 fanin scenario Symptom: Not all VE-ports are online. Not all FCIP tunnels are active. This will happen if 8 tunnels on one end all connect to only one IP address on the other end. Workaround: portdisable/portenable on VE-port that is not active Probability: Low Feature: FCIP Function: FCIP Port Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000208509	Medium	Summary: FPort TopTalker monitor may display flows for NPIV ports with no I/O Symptom: Customer sees counters for ports with no I/O. Workaround: None. Bogus values do get cleaned up after ~20-30 mins. Probability: Low Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0
DEFECT000208513	Medium	Summary: fabric mode TT monitor counters show no flows when there are ingress and egress traffic into the switch Symptom: TT monitor counters show no flows when there are ingress and egress traffic into the switch Probability: Low Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0
DEFECT000208527	Medium	Summary: AG switch may give incorrect warning message about port licensing for an F-port when trying to remap it to a different N-Port Symptom: May see a warning like "Port x is not provisioned... Please run switchshow command and see whether the port is licensed or not", when trying to remap F-port to a different N-Port even though Full port license is installed. Probability: Low Feature: Access Gateway Services Function: CLI Reported in Release: FOS6.1.0
DEFECT000208673	Medium	Summary: User not able to run diagsetburn (burnin test diagnostics) due to "RBAC permission denied" error with admin and switchadmin role. Symptom: "RBAC permission denied" error while trying to execute diagsetburn command for burnin test with admin and switchadmin role. Workaround: User can use other roles to run burnin test Probability: High Feature: Diagnostics Function: Other Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000208863	Medium	Summary: In rare instances the Name Server DB out of sync between FOS and EOS switches in interop mode 3. Symptom: name server total device counts are off by one on some switches. There is no nondisruptive way to get the brocade NS Database to re-sync Workaround: after locating the device ID, disable and then enable that device. Or restart the switch or restart the brocade switches that are out of sync. Probability: Low Feature: Native Interop Function: NS Reported in Release: FOS6.1.0
DEFECT000208875	Medium	Summary: "seccertutil show <filename>" does not display the contents of certificates with .cer extension Symptom: Customer would not able to see the contents of the cert files Workaround: Only LDAP certificates with .cer extension is supported. So use --ldapcert option for importing .cer certificates. Probability: High Feature: Fabric Infrastructure Function: Security Reported in Release: FOS6.1.0
DEFECT000208988	Medium	Summary: Block user from configuring QoS on FC10-6 blade Symptom: portcfgqos sees configuration issue. Probability: Medium Feature: FC10-6 Platform Services Function: ASIC Driver Reported in Release: FOS6.1.0
DEFECT000209031	Medium	Summary: Event generated on successful login to a switch might display wrong DNS name. Symptom: Customer might see the wrong DNS name in the events table for successful logins to the switch. Probability: Medium Feature: Fabric Infrastructure Function: Security Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000209189	Medium	Summary: Webtools: User will see Invalid warning during SAS firmware download on a standalone Brocade 7600 in McData Open Fabric mode Symptom: Customer may see warning message "Some domains might not support Coordinated HCL" when attempted SAS download via webtools on 7600 in McData Open Fabric mode. Workaround: Use CLI Probability: High Feature: Mgmt Embedded - HTTP Function: Firmware Download Reported in Release: FOS6.1.0
DEFECT000209219	Medium	Summary: With a switch in Interop Mode 2 or 3, the iSCSI configuration is not being included in configupload Symptom: The iSCSI port configuration and database information will not be included in the configuration file for a switch in interop mode 2 or 3 Probability: Low Feature: Native Interop Function: Platform Reported in Release: FOS6.1.0
DEFECT000209326	Medium	Summary: Fastboot causes unnecessary FFDC, ERROR, ..., libipadm: em_AdmSwitchNameGet() Symptom: On rare occasions, the fastboot command causes an FFDC message. This is due to the timing of a daemon being stopped and another daemon making a request to the stoped daemon. Probability: High Feature: OS Services Function: IP Admin Reported in Release: FOS6.1.0
DEFECT000209376	Medium	Summary: In some instances of congestion in the Ethernet network , the displayed VE port utilization value is incorrect. Symptom: The VE port utilization value is zero, even though the traffic is running over 218m on a 2G FCIP tunnel. Workaround: use portperfshow command. Probability: Low Feature: Fabric Infrastructure Function: Fabric Watch Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000209617	Medium	Summary: On embedded switch products, sfpshow will display error "Can not read Serial Data" on internal ports that do not have server blades installed Symptom: sfpshow displays "Can not read Serial Data!" on internal ports that do not have server blades installed. Probability: Medium Feature: Embedded Platform Services Function: Sys-Control/EM Reported in Release: FOS6.1.0
DEFECT000209845	Medium	Summary: In rare instances an IPFilter policy is displayed as being in both an active & defined state. Symptom: Normally, the IPFilter policy will only be displayed once with a state of either active or defined. The end user may witness the same IPFilter policy appears twice, once as active and once as defined. Workaround: Clear the policy Probability: Low Feature: Fabric Infrastructure Function: IP Filter Reported in Release: FOS6.1.0
DEFECT000209892	Medium	Summary: In a mixed fabric (FOS and EOS), Hosts might not be able to ping each other. Symptom: Host using IP over FC might not be able to Ping each other. This appears to be limited to broadcast frames and not to other IP traffic. Probability: Medium Feature: Native Interop Function: NS Reported in Release: FOS6.1.0
DEFECT000209893	Medium	Summary: Reject code '0B' response to a QSA frame causes channel definition errors Symptom: Specific mainframe channel logs show a link reject code of hex "0b" in response to a QSA frame. Workaround: The workaround for this issue was to block off a badly misbehaving port that was generating a ton of bad traffic on a switch port which was putting a lot of stress on the embedded port. Once this port was taken care of, this problem was no longer seen. Probability: Low Feature: FC Services Function: FICON Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000209897	Medium	Summary: Able to add a zone alias defined as D,P to a QoS zone Symptom: The zonecreate or zoneadd command is not able to validate the contents of a zone alias. QoS zones do not support D,P members. So if the alias is defined by D,P, then the cfgenable will fail. Workaround: Use WWN for QoS zone, and alias. Probability: Medium Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0
DEFECT000210021	Medium	Summary: In some long distance setups, two adjacent ports set to Auto Negotiate on a DCX fail to form a trunk at 4G. Symptom: Two adjacent ports on a DCX fail to form a trunk at 4G Workaround: Manally set the port speed to 4G on one of the DCX for both the ports Probability: Low Feature: FC Services Function: Fabric Reported in Release: FOS6.1.0
DEFECT000210143	Medium	Summary: Channel definition errors; time out on QSA Response due to excessive link incidents. Symptom: Excessive link incidents caused by bad SFP cable can prevent proper channel response. Workaround: Vary each channel online from the HMC. Disable any misbehaving port. Enable Fabric Watch port fencing to disable misbehaving ports. Probability: Low Feature: Fabric Infrastructure Function: Mgmt Server Reported in Release: FOS6.0.0
DEFECT000210186	Medium	Summary: QoS E_Port on Brocade switch not able to connect to SAN Router (Eclipse 2640) Symptom: The ISL between the FOS switch and the Eclipse Router will fail to initialize. Workaround: Set E_Port non QoS. Probability: Low Feature: Native Interop Function: Fabric Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000210252	Medium	Summary: FSSME failure on Brocade 48000 running FOS v5.3.0c. Symptom: HA is not able to synchronize. Probability: Low Feature: FOS Software Function: High Availability Service Request # : 275955 Reported in Release: FOS5.3.0
DEFECT000210382	Medium	Summary: A failed Pause frame (sent during firmwaredownload process in Interop Modes 2 and 3), will cause a fabric rebuild. Symptom: Traffic is disrupted and fabric rebuilds during a HCL on a Brocade 5100 if a sent Pause frame fails Workaround: Use the -o option to over ride the cooperative HCL feature. Probability: High Feature: Native Interop Function: ESS Reported in Release: FOS6.1.0
DEFECT000210465	Medium	Summary: CP faulty state alert does not have the details about CP/slot number Symptom: The Fabric Watch alert message indicating a CP fault, does not provide the CP or slot number. Probability: Low Feature: Fabric Infrastructure Function: Fabric Watch Reported in Release: FOS6.1.0
DEFECT000210498	Medium	Summary: User may see Cald crash while creating DCC policies on Brocade 4012 via SMIA Symptom: SMIA may loose connection to 4012 due to Cald crash while creating DCC policies on Brocade 4012. Seen only once only on 4012. Workaround: Use CLI to create the DCC policies Probability: Low Feature: Mgmt Embedded - CAL Function: ACL Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000210545	Medium	Summary: A turboramtest failure does not fully disable the port on a 5300. Symptom: Links to faulty switch appear to be up/online. Workaround: need to reboot faulty 5300 Probability: Low Feature: Diagnostics Function: Post Diags Reported in Release: FOS6.1.0
DEFECT000210684	Medium	Summary: WebTools: DCX Blade attention LEDs on the switch view gui window do not turn amber when blade needs attention. Symptom: The WebTools GUI LED for switchview on a DCX may not reflect the correct color state for a failed blade . The attention LED is illuminated appropriately on the blade view but not in the WebTools switchview. Workaround: The attention LED is illuminated appropriately on the blade view gui window. Probability: High Feature: WebMgmt Function: Switch Explorer/Switch View Reported in Release: FOS6.1.0
DEFECT000210769	Medium	Summary: Error response for failure of ACL FabricLockdown is too generic. Symptom: If a FabricLockdown fails, for example due to the resulting DB being too large, the failure error is generic and gives no indication as to the reason for the failure. Probability: Low Feature: Fabric Infrastructure Function: Security Reported in Release: FOS6.1.0
DEFECT000210995	Medium	Summary: N-Port between AG and Edge Switch (300) may stuck at "E-Port Unknown" state Symptom: After disabling and enabling multiple trunked links between an AG and a Fabric switch, some N_Ports may get stuck in an E_Port Unknown state. Workaround: Disabling and enabling the port on the Edge Switch will not bring the port online. Need to disable and enable the port on the AG to bring the port back online as an N-Port. Probability: Low Feature: Routing Function: Brocade 300 Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000210999	Medium	Summary: In rare instances of F_Port trunk master changes, the F-Port Top Talker monitor is not displaying correct counters. Symptom: Customer is not seeing accurate numbers for F-Port Top Talker monitor on an F_Port trunk. Workaround: Toggling the F_Port trunk master Probability: Low Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0
DEFECT000211054	Medium	Summary: End to End monitor counter doesn't increment after firmwaredownload if switch also has Top Talker monitors installed Symptom: EE monitor counters are not incrementing after firmwaredownload Workaround: restore monitors from flash or have either EE or TT monitor at the time of hafailover Probability: Medium Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0
DEFECT000211066	Medium	Summary: In rare instances when the external time server becomes unreachable, the ErrorLog is flooded with TimeServer warning messsages Symptom: Errorlog might be flooded with Time Server (TS) messages similar to these: ..., [TS-1002], 269/267,, INFO, dcx_185, LOCL Clock Server used instead of External: ... ... [TS-1006], 270/268,, INFO, dcx_185, Synchronizing time of day clock, ... Workaround: Re-establish connectivity to the external clock server Probability: Low Feature: Fabric Infrastructure Function: Other Reported in Release: FOS6.1.0
DEFECT000211101	Medium	Summary: After multiple successive fastboots of a DCX, there was a panic due to the zone daemon dying Symptom: DCX panic after multiple fastboots Workaround: Fastbooting a single time works fine. Probability: Low Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211256	Medium	Summary: Switch could not apply the admin domain configuration changes Symptom: The switch can't apply the admin domain configuration if there is an inactive AD with an effective zone configuration. Workaround: The problem is that there's an Inactive AD (ie. AD 2 in reported case) with an effective zone configuration. cfgenable should have been rejected if its AD is in Inactive state. Workaround, do not enable a zone config for an inactive AD. Probability: Low Feature: FOS Software Function: Fabric Services Service Request # : 302711 Reported in Release: FOS5.3.0
DEFECT000211292	Medium	Summary: SAS firmwaredownload will fail if a DNS name is used for ipv6 Host. Symptom: Firmwaredownload command will fail if a DNS name is used for the host instead of an IPv6 address. Message that will be seen: "Cannot download the firmware. Failed to retrieve firmware." Workaround: Use the IPv6 address instead of the DNS name. Probability: High Feature: Infrastructure Function: Firmware Download Reported in Release: FOS6.1.0
DEFECT000211326	Medium	Summary: When there are 48 IFLs to 1 edge fabric, it can take several minutes to form the MetaSAN Symptom: In a large configuration where we test the maximum of 48 IFLs to one edge, the MetaSAN takes several minutes to form. Probability: Medium Feature: FCR Function: C2_EX Reported in Release: FOS6.1.0
DEFECT000211421	Medium	Summary: May see message "Probing failed on F-port" when in interop mode 3. Symptom: Message "Probing failed on F-port" is seen. Probability: Low Feature: Native Interop Function: NS Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211439	Medium	Summary: tstimezone settings can not be changed/restored with configdownload Symptom: A message: "configDownload: Invalid Time Zone tz = ..." is seen when attempting a configdownload. Workaround: Workaround is to remove the ts.tz param in config file and then download. Probability: Low Feature: Fabric Infrastructure Function: Other Reported in Release: FOS6.1.0
DEFECT000211449	Medium	Summary: If a large number of EX_Ports are enabled at the same time, occasionally some will fail due to incompatible flow control parameters. Symptom: Sometimes EX_Ports fail to come up when they are first enabled. A subsequent portenable will bring it online. Workaround: port disable and enable the EX_Ports that failed. Probability: Medium Feature: FCR Function: FCR Daemon Reported in Release: FOS6.1.0
DEFECT000211503	Medium	Summary: Incorrect error message when downloading a config file when in PG policy mode. Symptom: The config download looks successful (with a successful message) but actually is not. Workaround: Disable the switch before downloading the configuration. Probability: Low Feature: Access Gateway Services Function: CLI Reported in Release: FOS6.1.0
DEFECT000211510	Medium	Summary: In some instances, portshow may display inaccurate port authentication description/state after a CP failover. Symptom: The portshow commands displays inaccurate port authentication information. Probability: Low Feature: Fabric Infrastructure Function: Security Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211511	Medium	Summary: The fabric mode TopTalker monitors are missing some flows after power cycling the switch Symptom: After power cycle the DCX, some flows may not show up on fabric mode TT monitor. Probability: Low Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0
DEFECT000211520	Medium	Summary: AG NPIV ports attached to 200e take approx 39 seconds before failing over to 2nd path Symptom: AG embedded NPIV ports are attached to a 200e, when reboot is initiated on 200e, it takes approx 29 seconds before the NPIV ports failover to secondary paths. I/O typically survives with the exception of having an I10k in the same fabric, a fabric build with the expected long wait period for an f_port to log in (17 seconds) can cause I/O timeout if HBA is settings is not greater than 45 seconds. Probability: High Feature: FC Services Function: NPIV Reported in Release: FOS6.1.0
DEFECT000211537	Medium	Summary: A mixed fabric (FOS and EOS) in McDATA Fabric mode having more than 60 devices in the default zone will cause frames losses due to er_zone_miss Symptom: An interop fabric in McDATA Fabric mode having more than 60 devices in the default zone will cause frames losses due to er_zone_miss Workaround: -- Disable the ISL's to the EOS switches (to completely segment them out) and cfgdisble/cfgenable Probability: Low Feature: Native Interop Function: Zoning Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211542	Medium	Summary: The error message is cryptic when the interop fabric contains more than 60 devices in the default zone and user tries cfgenable/cfgdisable. Symptom: May see cryptic error like "Disable failed: Sfc Was Rejected: Remote Switch Unable To Process" when interop fabric contains more than 60 devices in the default zone and a user tries cfgenable/cfgdisable. Workaround: Try disabling the cfg from EFCM (EOS switch) Probability: High Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0
DEFECT000211550	Medium	Summary: Under some scenarios "portcmd --ipperf" displays incorrect delay time in the IPv4 environment. Symptom: "portcmd --ipperf" displays incorrect delay time in the IPv4 environment. Workaround: Try IPv6 addresses for ipperf Probability: Medium Feature: FCIP Function: FCIP CLI Reported in Release: FOS6.1.0
DEFECT000211601	Medium	Summary: Throughput of 1G IPSec FCIP tunnel degrades for uncompressible data (1G+compression+IPSec). Symptom: Performance degradation for IPSec FCIP tunnel with compression enabled. Probability: Low Feature: FCIP Function: FCIP Performance Reported in Release: FOS6.1.0
DEFECT000211605	Medium	Summary: After multiple N_Ports are taken offline/online, a retry may be necessary to complete discovery. Symptom: Disable and enable SANTester ports and some SANTester ports do not get discovered. The failed ports are different with each occurrence. Workaround: Press Enable Discovery button on the SANTester to rediscover devices. Probability: Low Feature: FCR Function: FCR Port Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211641	Medium	Summary: Firmware upgrade from SMIA may fail on Brocade 5100 switch due to RPC error Symptom: Firmware download operation from SMIA may fail on Brocade 5100 due to RPC Error. Probability: Low Feature: Mgmt Embedded - RPCD Function: Firmware Download Reported in Release: FOS6.1.0
DEFECT000211700	Medium	Summary: In a large fabric setup, frames may be lost when enabling the trunk slave link of an Ex trunk on 5100 switch Symptom: May see transient frame drop when adding slave link to existing Ex trunk. Probability: Medium Feature: FCR Function: C2_EX Reported in Release: FOS6.1.0
DEFECT000211718	Medium	Summary: AG: A customer can rename a port group as blank Symptom: Customer may be able to rename a portgroup blank. Workaround: Customer need to specify a name (that is not blank) when creating a port group. Probability: High Feature: Access Gateway Services Function: CLI Reported in Release: FOS6.1.0
DEFECT000211720	Medium	Summary: AG:AG: On renaming a port group name to be blank from WT, the port group is deleted. Symptom: If portgroup is renamed as blank from webtools, the port group is deleted. Workaround: Specify a valid name for a port group Probability: High Feature: WebMgmt Function: AG Support Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211760	Medium	Summary: 32-character switchname and chassisname extensions do not fully display in RASLOG outputs such as errdump or supportsave output Symptom: 32-character switchname and chassisname extensions do not fully display in RASLOG outputs such as errdump. This only applies to Borcade 300, 5100 and 5300 switches. Workaround: Use only 16-character switchname and chassisname fields if full name display in the logs is required. Probability: High Feature: RAS Function: RAS Log Reported in Release: FOS6.1.0
DEFECT000211784	Medium	Summary: FFDC occurs when 16-31 char switch/chassis name is input on a platform that only supports up to 15 Symptom: FFDC occurs in addition to the name being rejected when configuring a switch or chassis name between 16-31 characters on a platform that doesn't support the longer name. Probability: High Feature: System Controls/EM Function: Legacy Platforms Reported in Release: FOS6.1.0
DEFECT000211795	Medium	Summary: Enabling Trunk Slaves with QOS While Traffic is Running May Cause Credit Loss Symptom: When QOS enabled trunk slaves are added while traffic is running, credits appear to be lost on the new trunk slave. If the master trunk is then disabled or removed and all the available credits have been lost, traffic will stop. Workaround: disable and enable the trunk ports again. Since this is a very rare occurence, toggling the port should fix the problem Probability: Low Feature: Brocade 5100 Platform Servies Function: ASIC Port Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211796	Medium	Summary: Under some conditions N_Port Failover may not work when swapping trunked and non-trunked N_Ports on an Access Gateway Symptom: F_Ports may not correctly map to appropriate online N_Port. Workaround: portdisable/portenable of F_Ports or switchdisable/switchenable or reboot the switch. Probability: Low Feature: Access Gateway Services Function: F Port Trunking Reported in Release: FOS6.1.0
DEFECT000211800	Medium	Summary: Auto_ELP setting for Ex port is not restored by configdownload Symptom: If user disable auto_elp mode, after config upload and download, auto_elp mode is reset to default. Workaround: use auto_elp mode. Probability: High Feature: FCR Function: FCR Daemon Reported in Release: FOS6.1.0
DEFECT000211900	Medium	Summary: Excessive high temperature and fan warnings could be seen on some 5100 switches. Symptom: Excessive high temperature warnings could be seen on some 5100 switches and could also see switch status change to marginal. ...WARNING, Brocade5100, High temperature (36 C), fan speed increasing per environmental specifications. Workaround: increase cooling or relocate switch to cooler location. Be sure switch is installed with proper spacing above and below the switch. Probability: Low Feature: System Controls/EM Function: Brocade 5100 Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000211933	Medium	Summary: POST (portloopback test) intermittently fails on 7500 and FR4-18i Symptom: portloopback test as part of POST failure on 7500 and FR4-18i with error "Portloopback test failed with"ERROR: DIAG INITSTATUS portloopbacktest:ExtLB, pass 1,Pt" Workaround: Rerun diags by rebooting the switch or powering on the slot with FR4-18i blade. Probability: Low Feature: Diagnostics Function: Post Diags Reported in Release: FOS6.1.0
DEFECT000211980	Medium	Summary: GUI: FCIP tunnel FICON parameters are not properly initialized when FCIP tunnel FICON parameters are configured through CAL Symptom: Incorrect FCIP tunnel FICON parameters when FICON parameters are configured through web interface. Workaround: Use CLI Probability: High Feature: Mgmt Embedded - CAL Function: FCIP Reported in Release: FOS6.1.0
DEFECT000211988	Medium	Summary: Zone Transaction appears to succeed in SMIA when the transaction was aborted by web GUI. Symptom: SMIA indicates a successful zone transaction even though it failed due to the transaction being aborted by another interface. Probability: Low Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0
DEFECT000212008	Medium	Summary: EE monitor counters are not incrementing after uninstalled fabric mode TT Symptom: When the switch get into the state, EE monitor counters are not incrementing any more. Probability: Low Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000212099	Medium	Summary: Port address from 'switchshow' does not include offset used for Interop mode 2 Symptom: switchshow doesn't include offset in NI mode Workaround: User needs to add 0x60 offset to the portaddr field from the switchshow commands to derive the proper port address. Probability: High Feature: Native Interop Function: Platform Reported in Release: FOS6.1.0
DEFECT000212106	Medium	Summary: CRC Errors did not match between portstatsshow and porterrshow Symptom: CRC errors using porterrshow may show 0 crc. Using portstatsshow reveals that the value may be incorrect (ie. the port may have CRC errors). Workaround: Use portstatsshow to determine whether there are CRC errors on a link. Probability: Medium Feature: DCX Platform Services Function: ASIC Driver Reported in Release: FOS6.1.0
DEFECT000212286	Medium	Summary: If EE monitors are restored from flash on a switch that has Top Talker monitors, there is no warning or error and the filters will not function properly. Symptom: After rebooting the switch, the Top Talker monitors are gone, replaced by EE monitors. A reboot of the switch will cause any EE monitors to be restored from flash (if they exist). So, if the user saves EE monitors to flash, then deletes the EE monitors to setup Top Talker monitors, but leaves the EE monitors in flash, a reboot of the switch will cause EE monitors to be restored from flash. The existence of the EE monitors will cause the Top Talker monitor installation recovery to fail. However, there is no warning or other message. Probability: Low Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000212290	Medium	Summary: With Top Talker Fabric mode installed elsewhere in the fabric, EE monitor counter is not incrementing after switch disable and enable or hareboot Symptom: EE monitor counter is not incrementing after switch disable and enable. However, if user restore the EE monitors from the FLASH, all EE monitor counters work correctly Workaround: Save EE monitors to Flash before doing a switchdisable/enable. Probability: High Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.1.0
DEFECT000212304	Medium	Summary: Extra CAM entries could exist on 300 when Frame Redirection is used and VI/VT offline/online Symptom: Extra CAM entries exist on 300 after AP7600 went offline/online. Workaround: Execute portdisable/portenable on the affected Host or Target port and CAM entries are updated correctly. Probability: High Feature: FC Services Function: Other Reported in Release: FOS6.1.0
DEFECT000212324	Medium	Summary: VE tunnel is stuck in "In Progress" state even though the fabric is formed correctly Symptom: Tunnel does not come up, but fabrics appear to be merged when there were no active routes to the 7500. Workaround: portdisable/portenable on VE port. Probability: Low Feature: FCIP Function: FCIP CP Reported in Release: FOS6.1.0
DEFECT000212424	Medium	Summary: Legacy zone commands can be used to modify TI zones. Symptom: Customer might see that the defined path for ti_zone is no longer used for devices/ISL's in the zone. Workaround: For special zones, recommend using the "zone" CLI command. Other legacy zoning commands (e.g., zonedelete, zoneadd, etc.) should not be used to modify special zones (i.e., TI zones and Frame Redirect zones). Probability: Low Feature: FC Services Function: Zoning Reported in Release: FOS6.1.0

Defect ID	Technical Severity	Summary of Open Defects in Fabric OS v6.1.0
DEFECT000212509	Medium	Summary: After HAReboot, "Probing failed" on F-port messages seen on the Brocade 300, 5100, and 5300. Symptom: Some device ports will not be able to complete login to the switch after a firmware upgrade. The RASLOG will begin accumulating FCPD WARNING messages in the log until the device gives up trying to login to the switch. Workaround: Affected switch needs to be power-cycled or rebooted. Probability: Medium Feature: Brocade 5300 Platform Services Function: ASIC Port Reported in Release: FOS6.1.0
DEFECT000212422	Medium	Summary: When a switch is being rebooted, a port might occasionally be stuck in the G-Port state. Symptom: Portdisable and portenable cannot fix/recover the port: a reboot of the switch fixes the problem. Workaround: Switch reboot is a viable workaround since the problem only occurs when the switch is being rebooted. Probability: Low Feature: Brocade 300 Platform Services Function: ASIC Port Reported in Release: FOS6.1.0

Closed with Code Change in Fabric OS v6.1.0

This section lists the defects with Critical, High and Medium Technical Severity closed with a code change as of Thursday, March 6, at 12:41 pm in Fabric OS v6.1.0.

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000086791	High	Summary: Autonegotiation with specific HBAs does not bring the ports to the correct maximum speed. Feature: Platform Services Function: ASIC Driver Probability: Low Risk of Fix: Low Service Request # : RQST00000060904 Reported in Release: FOS5.1.0
DEFECT000200564	High	Summary: Compatibility error message is displayed when a user tries to perform a firmware download of SAS in the FOS v6.0 branch Feature: Infrastructure Function: SAS/SA FWDL Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000202429	High	Summary: An FC Analyzer trace shows an FCR port is receiving periodic RRQ and ABTS frames. Feature: FCR Function: FCR Daemon Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000203218	High	Summary: HAReboot on Brocade 7500 switch (with the edge fabric is an EOS fabric) results in port bouncing due to no BB credits. Feature: FCR Function: FCR Daemon Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000203297	High	Summary: After switchdisable and switchenable all FCR switches, from the edge fabric translate domain are missing Feature: FCR Function: FCR Port Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000203740	High	Summary: Unable to access CUP Port on local or cascaded switch through Neptune. Feature: Platform Services Function: ASIC Driver Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000203973	High	Summary: In some rare scenarios, application hangs are noticed on the Server when FCFW related actions are taken on the fabric Feature: FR4-18i Platform Services Function: FR4-18i Blade FOS SW Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000204108	High	Summary: Management server daemon (msd) panic on switch during fabric bring up. Feature: Fabric Infrastructure Function: Mgmt Server Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000204795	High	Summary: In a FICON configuration, VE port persists in offline state after link down when GbE link is routed through a network switch Feature: FCIP Function: FCIP Port Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000205107	High	Summary: Unable to establish connectivity between HBA and Storage. Feature: FOS Software Function: FCR Probability: Low Service Request # : RQST00000066272 Reported in Release: FOS5.3.0
DEFECT000205250	High	Summary: CP failover on a Brocade 48000. Feature: Software Function: Operating System Risk of Fix: Low Service Request # : RQST00000066371 Reported in Release: FOS5.0.1
DEFECT000205481	High	Summary: FCFW devices: I/O fails on the backbone fabric. Feature: FR4-18i Platform Services Function: FR4-18i Blade FOS SW Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205633	High	Summary: LD ISL sometimes comes up in VC_RDY mode, not QoS mode Feature: FC Services Function: Fabric Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205676	High	Summary: [stress-to-fail test] During constant power-cycle test, one of the switches paniced due to a memory allocation failure Feature: OS Services Function: Linux Kernal Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000205793	High	Summary: Request change to parameters passed to Java running on the PC. Feature: FOS Software Function: Management Embedded Risk of Fix: Low Service Request # : RQST00000066855 Reported in Release: FOS5.3.0
DEFECT000205813	High	Summary: When ports are segmented, two B-model fabrics are shown connected to each other even though safe zoning state differs. Feature: Native Interop Function: Zoning Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205869	High	Summary: Subneted FCIP port sends MAC level broadcast instead of the routers MAC. Feature: FOS Software Function: FCIP Probability: Low Risk of Fix: Low Service Request # : RQST00000067177 Reported in Release: FOS5.2.0
DEFECT000206064	High	Summary: In some cases, frame loss is observed during normal FICON I/O. Feature: DCX Platform Services Function: ASIC Zoning Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206090	High	Summary: TopTalkers counters are inaccurate when enabled on more than one Fx_port at a time. Feature: Fabric Infrastructure Function: Advanced Performance Monitor Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000206223	High	Summary: Top Talker F-port monitor is broken, only one F-port can be monitored at one switch, same test case passed on Beta frame. Feature: Fabric Infrastructure Function: Advanced Performance Monitor Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206381	High	Summary: FICON Emulation Error running to STK/SUN tape drives. Feature: FCIP Function: FCIP I/O Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206400	High	Summary: Inter DPC messages are getting dropped on AP7600. Feature: Platform Services Function: Routing Probability: Medium Risk of Fix: Low Reported in Release: FOS5.3.0
DEFECT000206451	High	Summary: Brocade 4018 and 4020: Compact Flash usage is above the 85% threshold with Fabric OS v6.0.0. Feature: Diagnostics Function: Other Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206541	High	Summary: An "ipfilter --transabort" command running in one telnet session can be aborted from another telnet session. Feature: FOS Software Function: Fabric Services Risk of Fix: Low Service Request # : RQST00000068040 Reported in Release: FOS5.3.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000206542	High	Summary: Cannot set "Portlog events enable" accurately. Feature: FOS Software Function: RAS Logging / Tracing Risk of Fix: Low Service Request # : RQST00000068285 Reported in Release: FOS5.3.0
DEFECT000206628	High	Summary: The Brocade DCX may ASSERT in a specific test scenario while running a particular FICON test program (SAK IRNDUP). Feature: FC Services Function: FICON Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206657	High	Summary: Brocade 4024 power-on-self-test (POST) failure on chassis power on. Feature: FOS Software Function: EM / Hil / Sysctrl Probability: Low Risk of Fix: Low Service Request # : RQST00000068438 Reported in Release: FOS5.2.1
DEFECT000206684	High	Summary: In interop mode, an F_Port connected into a shared area of a 48-port blade in a Brocade DCX will not show up in the distributed name server. Feature: Native Interop Function: Other Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206694	High	Summary: Domain reassignment leads to incorrect frame addressing (domain offset) Feature: Native Interop Function: Other Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000206705	High	Summary: Brocade 4424: Switch panics and FFDC files generated after repeated testing of hot plug. Feature: Fabric Infrastructure Function: Other Reported in Release: FOS5.3.0_emb
DEFECT000206819	High	Summary: Flooding of an unknown inter-switch FDMI command from another vendor's switch is causing the switch to crash. Feature: FOS Software Function: Fabric Services Probability: Low Risk of Fix: Low Service Request # : RQST00000068767 Reported in Release: FOS5.2.2
DEFECT000206930	High	Summary: Brocade DCX port blades are re-initialized during supportsave. Feature: DCX Platform Services Function: Sys-Control/EM Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206999	High	Summary: 2Gig Channels fail to come online from T-Rexx mainframe to a 128-port Brocade 48000. Feature: FC Services Function: FICON Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000207154	High	Summary: Occasional kernel panic during reboot in AG setup. Feature: Embedded Function: Platform Probability: Low Risk of Fix: Low Reported in Release: FOS5.3.0_emb

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000207192	High	Summary: Under very rare conditions, and in a configuration where there are multiple paths configured to reach multiple devices, some paths were observed not coming online. Feature: FC Services Function: RTWR Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000207473	High	Summary: During fastwrite, a 3rd party device drops a status frame due to data alignment. Feature: FOS Software Function: FCIP Probability: Low Risk of Fix: Low Service Request # : 130559 Reported in Release: FOS5.3.0
DEFECT000207609	High	Summary: HaFailover not working after upgrading firmware from Fabric OS v5.0 to v5.2.0a using firmrwaredownload -s on each CP. Feature: FOS Software Function: Fabric Services Risk of Fix: Low Reported in Release: FOS5.2.0
DEFECT000207622	High	Summary: Heart beat missing being reported by CP - Standby CP reboots Feature: Fabric Infrastructure Function: Other Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000207815	High	Summary: FICON Virtual Tape Pipelining does not function correctly with specific tape devices. Feature: FCIP Function: FCIP I/O Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000207822	High	Summary: Blade fault does not result in LIRR and async status. Feature: FC Services Function: FICON Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000207969	High	Summary: Firmware upgrade on Brocade 200e to Fabric OS v6.0.0 will cause the switch to report marginal state. Feature: Infrastructure Function: Firmware Download Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000208038	High	Summary: CUP Set Offline inline command not presenting status before going offline Feature: FC Services Function: FICON Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000075226	Medium	Summary: Usability: Ctrl-C in legacy configdownload code is not blocked during downloads Feature: FC Services Function: Config Download Probability: Medium Risk of Fix: Low Reported in Release: FOS5.2.0
DEFECT000077865	Medium	Summary: Switch faults if Management Server Domain is invalid, limited commands available. Feature: Software Function: FICON Risk of Fix: Low Reported in Release: FOS5.0.2

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000080831	Medium	Summary: Brocade 4020 hits a software ASSERT and cannot complete boot sequence. Feature: Software Function: Other Risk of Fix: Low Reported in Release: FOS5.0.5
DEFECT000084850	Medium	Summary: When a switch's IDID mode is currently OFF and we disable the switch, the rest of the switches in the fabric get a premature duplicate message Feature: FC Services Function: FICON Probability: Low Risk of Fix: Low Reported in Release: FOS5.3.0
DEFECT000085218	Medium	Summary: Async error reporting events are lost if detected immediately after switch boot Feature: FC Services Function: FICON Probability: High Risk of Fix: Low Reported in Release: FOS5.3.0
DEFECT000086002	Medium	Summary: FM: Configdownload actually downloads all the disruptive parameters in the Validation step in FM, when the switch is in a disabled state. Feature: Infrastructure Function: Config Download Probability: High Risk of Fix: Low Reported in Release: FOS5.3.0
DEFECT000086348	Medium	Summary: Unnecessary and harmless SW_ILS traffic (rejects to MS commands) being sent to McData switches while in interop mode. Feature: FOS Software Function: Native / Open Mode Risk of Fix: Low Service Request # : RQST00000060547 Reported in Release: FOS5.2.1_Ni

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000087238	Medium	Summary: If a device tries to login to an NPIV port using a port WWN, which is already used by another device that has already logged in, the switch simply drops the new login (FDISC) request instead of rejecting it. Feature: Platform Services Function: FOS Kernel Drivers Probability: Medium Reported in Release: FOS5.3.0
DEFECT000201423	Medium	Summary: Incorrect FRU Update date is received for Brocade_Chassis class Feature: Mgmt Embedded - CAL Function: Other Probability: Medium Reported in Release: FOS6.0.0
DEFECT000201879	Medium	Summary: SetInstance call is failing for Brocade_Switch class. Feature: Mgmt Embedded Function: Other Services Reported in Release: FOS6.0.0
DEFECT000202532	Medium	Summary: Problem attempting to lock a port as an L-port and configure the duplex mode using the CLI. Feature: FOS Software Function: ASIC Driver Risk of Fix: Low Service Request # : RQST00000064082 Reported in Release: FOS5.3.0
DEFECT000203115	Medium	Summary: Inconsistent support for switch service tag between CLI & Web Tools Feature: Embedded Function: Webtools Probability: Low Risk of Fix: Low Reported in Release: FOS5.3.0_emb
DEFECT000203447	Medium	Summary: Port_scn removes logical paths from wrong port. Feature: FC Services Function: FICON Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000203835	Medium	Summary: No FABR-1029 Message ID post when fabric rebuilds in McDATA Open mode (3) Feature: Native Interop Function: Open Mode Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000203957	Medium	Summary: IOCTL not allowed: cmd 0x40040911, pid 11347 (ficonshow) message seen on the console Feature: Platform Services Function: FOS Kernel Drivers Probability: Low Reported in Release: FOS6.0.0
DEFECT000204092	Medium	Summary: Validation of IP address to SetProperty/SetInstance for CommunityInfoSet on Brocade_Switch class is not present on higher version (5.3,6.0) Feature: Mgmt Embedded - SNMP Function: Other Probability: Low Reported in Release: FOS6.0.0
DEFECT000204106	Medium	Summary: Coordinated HotCode needs to handle cases where can't send pause to all domains. Feature: Native Interop Function: Fabric Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000204337	Medium	Summary: [stress-to-fail test] nsd killed during overnight iSCSI blade slotpoweroff/on testing Feature: FC Services Function: Name Server Probability: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000204665	Medium	Summary: bladebeacon command should fail for core blades and switchshow command should not show beacon status for core blades in DCX chassis Feature: DCX Platform Services Function: FOS Kernel Drivers Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000204680	Medium	Summary: Even after deleting enabled DDset the DD members of that particular ddset are still shown as enabled. Feature: Mgmt Embedded - CAL Function: iSCSI Support Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000204816	Medium	Summary: CLI: portzoneshow shows "Enforcement as All" when issued in an NI fabric switch Feature: Native Interop Function: Fabric Probability: Medium Reported in Release: FOS6.0.0
DEFECT000205103	Medium	Summary: Oops message seen in supportshow where there are faulty FA4-18 blades in chassis Feature: Platform Services Function: ASIC Driver Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205176	Medium	Summary: frureplace wwn command for DCX platform takes over 10 minutes to complete. Feature: DCX Platform Services Function: Sys-Control/EM Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000205184	Medium	Summary: Web Tools - USB admin always displays firmware build size incorrectly as 32768 bytes whereas CLI shows the actual size Feature: Mgmt Embedded - CAL Function: USB Management Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205191	Medium	Summary: CRC errors mismatch between porterrshow and portstatsshow output. Feature: DCX Platform Services Function: ASIC Port Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205287	Medium	Summary: ALPA Configuration and NPIV: Attaching a device with 236 or more NPIV devices causes FDISC rejects (when AL_PA 0x13 mode is configured) Feature: Native Interop Function: Other Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205342	Medium	Summary: PortCamShow shows an additional entry after physically removing a Def Zone node from an FOS switch Feature: Native Interop Function: NS Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205401	Medium	Summary: [stress-to-fail test] Upon repeated rebooted of the Brocade 7500 switch, ExternalInput Oops message seen on the console Feature: OS Services Function: Linux Kernal Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000205409	Medium	Summary: Web GUI LSAN Fabric page not showing the brocade edge switch if the edge switch is in McDATA interop mode. Feature: WebMgmt Function: FCR Admin Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205413	Medium	Summary: FCIP testing with tape pipelining enabled results in failures Feature: FOS Software Function: FCR Probability: Low Service Request # : RQST00000066445 Reported in Release: FOS5.3.0
DEFECT000205468	Medium	Summary: Shortly after cfgdisable on an edge Brocade 48000, got a raslogd core dump. Feature: RAS Function: RAS Log Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205529	Medium	Summary: Changing desired distance by issuing "portcfglongdistance <slot/port> ld 1 <distance>" from lower WWN switch often causes E-port to stuck at Unknown or send ECP failed and Disabled. Feature: Platform Services Function: FOS Kernel Drivers Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205546	Medium	Summary: Software Verify Error is produced when issuing cfgmcdtmode --enable def zone Feature: Native Interop Function: Zoning Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000205548	Medium	Summary: With EX ports configured observed VERIFY on performing hafailover - Failed expression: 0, c2_debug.c, line = 7896 Call back trace:Trace: bfe4241c <asic_valid_data+0x624/0x7a4 [condor2_module]> when EX ports exist. Feature: DCX Platform Services Function: FOS Kernel Drivers Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205650	Medium	Summary: On disabling the proxy switch (FOS v6.0), no event received on the SMIA agent side. Feature: Mgmt Embedded - RPCD Function: Other Probability: Low Reported in Release: FOS6.0.0
DEFECT000205783	Medium	Summary: When HA sync was stopped, a Brocade 24000 did not output the FW-1433 message. Feature: FOS Software Function: Management Services Risk of Fix: Low Service Request # : RQST00000067065 Reported in Release: FOS5.3.0
DEFECT000205796	Medium	Summary: MFT Fabric - Retrieving GFABRIC information times out when there are more than 3 McData switches in fabric Feature: Mgmt Embedded - RPCD Function: Other Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000205849	Medium	Summary: For ISL_RDY mode, transmit credit is max'd out at 250. It works okay if required buffer is less than 250 (ie. 250km at 2G) Feature: DCX Platform Services Function: ASIC Port Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000205857	Medium	Summary: Fastwrite with tape pipeline, switch sent improper frame caused tape job to fail. Feature: FOS Software Function: FCIP Probability: Low Risk of Fix: Low Service Request # : RQST00000066902 Reported in Release: FOS5.3.0
DEFECT000205897	Medium	Summary: Software Verify condition seen when default zone disabled/enabled in some scenarios Feature: Native Interop Function: Zoning Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206014	Medium	Summary: For Tapepipelining the FCP RSP does not come from Fabric Feature: FOS Software Function: FCIP Risk of Fix: Low Service Request # : RQST00000067060 Reported in Release: FOS5.3.0
DEFECT000206018	Medium	Summary: supportshow does not include portcfgvexport data for VEX ports. Feature: RAS Function: Other Probability: High Risk of Fix: Low Reported in Release: FOS5.2.0
DEFECT000206120	Medium	Summary: "Configuration Failed" error message appears after selecting a proper interop mode after first selecting an improper Interop mode for the first time. Feature: WebMgmt Function: FCR Admin Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000206146	Medium	Summary: In some cases where an FCIP address is on a different subnet, a MAC level broadcast is sent instead of the router's MAC. Feature: FCIP Function: FCP TCP/IP Stack Probability: High Risk of Fix: Low Reported in Release: FOS5.2.0
DEFECT000206220	Medium	Summary: Hot plug Core Blade with POST on, the blade comes up Faulty(51) due to turbo RAM test failure. Feature: Diagnostics Function: Post Diags Probability: Medium Reported in Release: FOS6.0.0
DEFECT000206239	Medium	Summary: Web Tools enable config option cannot configure the maximum supported number of zones (2047). Feature: WebMgmt Function: Zone Admin Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206244	Medium	Summary: Editing IPv6 prefix length from Web Tools does not work. Feature: WebMgmt Function: FCIP Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206252	Medium	Summary: Description of SupportSave on man page conflicts with that of the Command Reference Manual. Feature: Tech Pubs Function: MANPAGES Risk of Fix: Low Service Request # : RQST00000067475 Reported in Release: FOS5.3.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000206323	Medium	Summary: portcfgqos - fix errors in --enable and --setratelimit options Feature: Man Pages Function: Edit/Correct Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206407	Medium	Summary: cfgdisable fails on Brocade 7500 running in XRC configuration. Feature: FC Services Function: Zoning Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206444	Medium	Summary: switchshow portspeed info in Command Reference Manual needs correction. Feature: Man Pages Function: Edit/Correct Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206454	Medium	Summary: FIPS related changes required in response to a FIPS audit. Feature: Mgmt Embedded Function: Other Services Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206511	Medium	Summary: portcfg Man page needs update to match FOS v6.0.0 Command Reference Manual. Feature: Man Pages Function: Edit/Correct Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000206520	Medium	Summary: SRDFA suspends in a fast-write environment Feature: FCIP Function: FCIP I/O Probability: Low Risk of Fix: Low Reported in Release: FOS5.3.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000206525	Medium	Summary: A device disappears after server reboot in a FICON environment. Feature: FOS Software Function: Fabric Services Probability: Low Risk of Fix: Low Service Request # : RQST00000067612 Reported in Release: FOS5.2.1
DEFECT000206553	Medium	Summary: FC4-48 blade drops frame on Brocade 48000 on ports that are routed through director ports above 256. Feature: Platform Services Function: ASIC Driver Probability: Low Risk of Fix: Low Reported in Release: FOS5.2.1
DEFECT000206681	Medium	Summary: Update the description of the default password policy in the Error Message Manual. Feature: Message Reference Function: Other Risk of Fix: Low Service Request # : RQST00000068363 Reported in Release: FOS6.0.0
DEFECT000206900	Medium	Summary: IBM FICON Qual. portcmd ipperf CLI not returning correct values for jumbo frames on gigE ports Feature: FCIP Function: FCIP CLI Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000207092	Medium	Summary: IBM FICON Qual. The FW message needs to specify the blade number when a port blade faults in the DCX. Feature: Fabric Infrastructure Function: Fabric Watch Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000207135	Medium	Summary: porttest not working Feature: Diagnostics Function: Other Risk of Fix: Low Service Request # : RQST00000068652 Reported in Release: FOS5.1.0
DEFECT000207209	Medium	Summary: Using an internal test I/O card, the Virtual Private Database is inaccessible on a Brocade 4424. Feature: Embedded Function: Platform Risk of Fix: Low Reported in Release: FOS5.3.0_emb
DEFECT000207333	Medium	Summary: Request to change command syntax of portbuffershow in the Command Reference Manual to match the contents of Help for that command. Feature: FC Services Function: Other Risk of Fix: Low Service Request # : 129729 Reported in Release: FOS6.0.0
DEFECT000207422	Medium	Summary: Need to add a delay to the PLOGI ACCept for all well known addresses. Feature: FOS Software Function: ASIC Driver Risk of Fix: Low Reported in Release: FOS5.2.0
DEFECT000207480	Medium	Summary: Operator-disabled ports are displayed as marginal under specific conditions. Feature: DCX Platform Services Function: ASIC Port Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000207579	Medium	Summary: firmwaredownload pre-install script fails to detect that QOS links are active prior to a downgrade. Feature: FC Services Function: Fabric Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000207624	Medium	Summary: Phantom power supply faults logged against the Brocade DCX. Feature: DCX Platform Services Function: Sys-Control/EM Probability: High Risk of Fix: Low Service Request # : 134131 Reported in Release: FOS6.0.0
DEFECT000208128	Medium	Summary: Power supply status incorrectly identified as marginal when power supplies are in certain slots. Feature: DCX Platform Services Function: Sys-Control/EM Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000208472	Medium	Summary: The switch status is shown as Healthy with one core blade even when the policy is set to show as marginal on removal/failure of a core blade. Feature: Fabric Infrastructure Function: Fabric Watch Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000208637	Medium	Summary: FICON Tape Pipelining with specific tape devices results in block count mismatch errors. Feature: FCIP Function: FCIP I/O Probability: Medium Risk of Fix: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000208981	Medium	Summary: A Brocade DCX might erroneously report a failed attempt at reading a temperature sensor as -1 celsius. Feature: Platform Services Function: Sys-Control/EM Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000209996	Medium	Summary: On an FR4-48 with FMS enabled, duplicate port names for some ports that share the same address. Feature: FOS Software Function: ASIC Driver Risk of Fix: Low Service Request # : 246965 Reported in Release: FOS5.2.0
DEFECT000210144	Medium	Summary: SSH Demon (sshd) does not start automatically on the BP. Feature: FA4-18 Platform Services Function: Blade FOS SW Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000210370	Medium	Summary: IFCCs caused by incorrect positioning for FICON Read Tape Pipelining Feature: FCIP Function: FCIP I/O Probability: Low Risk of Fix: Low Reported in Release: FOS6.0.0
DEFECT000210377	Medium	Summary: Management server GMAL command is being rejected with reason 5 "Logical Busy" Feature: FC Services Function: Mgmt Server Reported in Release: FOS5.3.1

Defect ID	Technical Severity	Summary of Defects Closed with Code Change in Fabric OS v6.1.0
DEFECT000210383	Medium	Summary: FCIP Compression enhanced to take advantage of higher compression rates. Feature: FCIP Function: FCIP Port Probability: High Risk of Fix: Low Reported in Release: FOS6.0.0

Closed without Code Change in Fabric OS v6.1.0

This section lists defects with Critical, High and Medium Technical Severity closed without a code change as of Thursday, March 6, at 12:41 pm in Fabric OS v6.1.0.

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000082754	High	Summary: 3rd party system sends incorrect broadcast format and Brocade 24000 forwards it. Reason Code: Not Applicable Feature: Software Function: ASIC Driver Probability: Low Service Request # : RQST00000057230 Reported in Release: FOS5.0.3
DEFECT000085897	High	Summary: During receive buffer overflow, 2Gb/sec switch cannot bring back third party device port for over 30 seconds. Reason Code: Not a Defect Feature: FOS Software Function: ASIC Driver Probability: Low Service Request # : RQST00000059174 Reported in Release: FOS5.2.1

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000086000	High	Summary: Disruptive parameters are not downloaded on the switch from FM, as FM does not disable and reboot the switch. Reason Code: Not a Defect Feature: Infrastructure Function: Firmware Download Probability: High Reported in Release: FOS5.3.0
DEFECT000086958	High	Summary: setgbicmode, switchdisable/enable, spinsilk commands cause panic and reboot on Brocade 200e. Reason Code: Will Not Fix Feature: OS Services Function: Linux Kernal Probability: Low Service Request # : RQST00000061250 Reported in Release: FOS5.1.0
DEFECT000204063	High	Summary: Message queue handling problem. Reason Code: Not Applicable Feature: Software Function: High Availability Service Request # : RQST00000064918 Reported in Release: FOS5.0.5
DEFECT000204766	High	Summary: CIMOM times out frequently. Reason Code: Not Applicable Feature: Software Function: API Switch Side Reported in Release: FOS5.0.5
DEFECT000204790	High	Summary: In some scenarios, updating Traffic Isolation zones followed by cfgsave (on Brocade 7500) caused cfgsave to hang. Reason Code: Already Fixed in Release Feature: Platform Services Function: Routing Probability: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000205239	High	Summary: Processor reboot: Unknown ; Oops: Exception in kernel mode, sig: 5. Reason Code: Not Applicable Feature: FOS Software Function: Management Services Service Request # : RQST00000066369 Reported in Release: FOS5.3.0
DEFECT000205512	High	Summary: In AG setup, after switchdisable, F-ports failover to the other switch shows no device. Reason Code: Already Fixed in Release Feature: FC Services Function: Name Server Probability: Medium Reported in Release: FOS5.3.0
DEFECT000205613	High	Summary: After power cycle, all port blades in a DCX chassis are stuck in the POST1 and POST2 state, and the system is left in disabled state, resulted from the test: power cycle 2 DCX chassis interconnected by 2 ICLs Reason Code: Not Reproducible Feature: Diagnostics Function: Post Diags Probability: Low Reported in Release: FOS6.0.0
DEFECT000205658	High	Summary: Channel Timeouts running SAK Excite Reason Code: Not a Defect Feature: FC Services Function: FICON Probability: High Reported in Release: FOS6.0.0
DEFECT000205663	High	Summary: In some rare scenarios, 2nd FC4-16IP blade in Brocade 48000 comes up Faulty(76) with bld25, when both CPs are rebooted at the same time with POST on. Reason Code: Will Not Fix Feature: FC4-16IP Platform Services Function: FC4-16IP Blade FOS SW Probability: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000205721	High	Summary: Switch provides incorrect output from perfmonitorshow Reason Code: Not Applicable Feature: FOS Software Function: Management Services Probability: Low Service Request # : RQST00000065098 Reported in Release: FOS5.2.2
DEFECT000205987	High	Summary: [stress-to-fail test] During an overnight run of systemverification, FA4-18 blade failed framerpathtest Reason Code: Not a Defect Feature: Diagnostics Function: Other Probability: Low Reported in Release: FOS6.0.0
DEFECT000206153	High	Summary: [SCAL-MPR] Top Talker: perfttmon (fabricmode) on 6.x core-edge fabric==> psd0: RTWR from core DCX to edge 48K, at the end perfttmon shows only data for DCX but not on any other switches in the fabric Reason Code: Not a Defect Feature: Fabric Infrastructure Function: Advanced Performance Monitor Reported in Release: FOS6.0.0
DEFECT000206210	High	Summary: During testing on the large scalbility fabric, upgrading -sf from one internal build of FOS v6.0 to another on Brocade 7500: during boot up, switch panic'd with zoned error. Reason Code: Not Reproducible Feature: FC Services Function: Zoning Reported in Release: FOS6.0.0
DEFECT000206229	High	Summary: Brocade 200E: essd, ffdc,zoned crash noticed while upgrading from early build of FOS v5.3.1 to early build of v6.0.0. Reason Code: Not Reproducible Feature: FC Services Function: Zoning Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000206235	High	Summary: After 3 hrs of continuous failover stress test, switch panics. Reason Code: Not Reproducible Feature: DCX Platform Services Function: FOS Kernel Drivers Reported in Release: FOS6.0.0
DEFECT000206293	High	Summary: FCFW host on the BB switch can see its intended target on the Edge but cannot do I/O to it. Reason Code: Already Fixed in Release Feature: FC Services Function: Name Server Probability: High Reported in Release: FOS6.0.0
DEFECT000206299	High	Summary: During testing on the large Scalability fabric, an FCR Hot Code Load from FOS v5.3.0b to early version of v6.0: some frames were dropped during the time BP was rebooting with the new firmware. Reason Code: Not Applicable Feature: Platform Services Function: ASIC Driver Probability: Medium Reported in Release: FOS6.0.0
DEFECT000206303	High	Summary: TI zoning configuration not honored after bandwidth reallocation on FCIP tunnel makes path available Reason Code: Already Fixed in Release Feature: FC Services Function: Zoning Probability: Medium Reported in Release: FOS6.0.0
DEFECT000206321	High	Summary: GFABRIC call is failing on scability fabric , LoginAsUser failed on SMIA Reason Code: Not Reproducible Feature: Mgmt Embedded - RPCD Function: Other Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000206466	High	Summary: FA4-18 BP cannot sustain burst of messages on two remote connections via Ethernet interface. Reason Code: Not Applicable Feature: OS Services Function: Linux Kernal Probability: Low Reported in Release: FOS5.3.0
DEFECT000206501	High	Summary: CUP fails to come online Reason Code: Not Reproducible Feature: FOS Software Function: FICON Service Request # : RQST00000067794 Reported in Release: FOS5.2.0
DEFECT000206655	High	Summary: Performance issue with MPR blade in Brocade 48000 when there are long distance links in multiple paths. Reason Code: Not a Defect Feature: FOS Software Function: FCR Service Request # : RQST00000068448 Reported in Release: FOS5.2.1
DEFECT000207071	High	Summary: Intermittent switch panics during normal operation of Brocade 3900, 3250 and 3850 platforms on FOS v5.3.0x. Reason Code: Not Applicable Feature: FOS Software Function: OS: Linux Probability: Medium Service Request # : RQST00000069005 Reported in Release: FOS5.3.0
DEFECT000207807	High	Summary: Out of memory condition in an internal data structure causes switch panic. Reason Code: Not Applicable Feature: FOS Software Function: Panic / OOM Service Request # : 144947 Reported in Release: FOS5.2.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000208020	High	Summary: On 2G platforms, hafailover then portdisable/portenable of E-ports causes port blade fault with tx parity error Reason Code: Not Applicable Feature: FOS Software Function: ASIC Driver Probability: Low Service Request # : 130111 Reported in Release: FOS5.3.0
DEFECT000208907	High	Summary: Rebooting switch while traffic running caused: Panic ASSERT - Failed expression: svec. Reason Code: Not Applicable Feature: FOS Software Function: ASIC Driver Service Request # : 245527 Reported in Release: FOS5.3.0
DEFECT000209261	High	Summary: 48 port blade in Slot 1 of DCX failed during connectivity testing. Reason Code: Not Reproducible Feature: Platform Services Function: Sys-Control/EM Service Request # : 246443 Reported in Release: FOS6.0.0
DEFECT000209359	High	Summary: Standby CP faulty 21 on HCL from FOS v6.0.0b to v5.3.0d. Reason Code: Not Applicable Feature: Infrastructure Function: Firmware Download Reported in Release: FOS6.0.0
DEFECT000210797	High	Summary: DukeM switch (Qlogic switch) receiving incorrect response to MS GE_PT from a Brocade 5000 (FOS v6.0.0). Reason Code: Will Not Fix Feature: FC Services Function: Name Server Service Request # : RQST00000068876 Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000210877	High	Summary: FVT (Pre-SWAT) Transparent Mode WWNs are Not Presented to the PI/PTs Reason Code: Not Applicable Feature: Disk Encryption Function: ASIC Other Probability: High Reported in Release: FOS6.1.1_enc
DEFECT000210908	High	Summary: Link drops when FLOGI is received before the port comes online. Reason Code: Not Applicable Feature: FOS Software Function: FC Layer 2 Routing Service Request # : 302653 Reported in Release: FOS5.3.0
DEFECT000068760	Medium	Summary: Usability: AD0 allowed user to disable or enable VE ports but prevented user from creating or deleting VE tunnels Reason Code: Will Not Fix Feature: FC Services Function: Admin Domain Probability: High Reported in Release: FOS5.2.0
DEFECT000077034	Medium	Summary: SilkWorm 4024: Unwanted message displays when we try to download a non-Access-Gateway configuration file in Access Gateway mode. Reason Code: Will Not Fix Feature: FC Services Function: Config Download Probability: High Reported in Release: FOS5.2.1
DEFECT000079455	Medium	Summary: SilkWorm 4020: The "Restore Factory Default" operation leaves ports disabled if the Access Gateway mode is enabled. Reason Code: Can Not Fix Feature: OS Services Function: Other Probability: Medium Reported in Release: FOS5.2.1

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000082972	Medium	Summary: "ficonshow rnid/rlir/lirr fabirc" FICON fabric related CLI takes more than 60 seconds to start displaying the output from a telnet session after a weekend of hafailover stress test. Reason Code: Will Not Fix Feature: FC Services Function: Mgmt Server Probability: Low Reported in Release: FOS5.3.0
DEFECT000084066	Medium	Summary: McDATA Edge fabric is not recognized by FCR preventing any importing of lsans due to McData switch set to "never be principal". Reason Code: Not a Defect Feature: FCR Function: FCR Daemon Probability: Low Reported in Release: FOS5.3.0
DEFECT000084187	Medium	Summary: WebTools after PID-2 change creates erroneous reading in Zone Admin/Alias Member list. Reason Code: Not Applicable Feature: FOS Software Function: Web Management Probability: Medium Service Request # : RQST00000057688 Reported in Release: FOS5.2.0
DEFECT000084472	Medium	Summary: SecurityAdmin role is not allowed to set Switch time from FM Reason Code: Will Not Fix Feature: Mgmt Embedded - CAL Function: RBAC Probability: High Reported in Release: FOS5.3.0
DEFECT000086046	Medium	Summary: enable AG mode with connecting EX-Port does not log errors in errlog on SW7500 or AG switch Reason Code: Not a Defect Feature: Undetermined Function: Under Review Probability: Low Reported in Release: FOS5.2.2

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000200664	Medium	Summary: Error message "Switch is not reachable '" and "Premature EOF " exception thrown periodically from Web Tools. Reason Code: Not Reproducible Feature: Mgmt Embedded - HTTP Function: Other Probability: Medium Reported in Release: FOS6.0.0
DEFECT000201039	Medium	Summary: When slotpoweron is run repeatedly, some ports on FC4-16IP blades stayed disabled for minutes. Reason Code: Will Not Fix Feature: FC4-16IP Platform Services Function: FC4-16IP Blade Driver Probability: Low Reported in Release: FOS6.0.0
DEFECT000202633	Medium	Summary: After performing zeroization (decomissioning), Brocade 7500 was left in faulty state. Reason Code: Will Not Fix Feature: FCIP Function: FCIP CP Probability: Medium Reported in Release: FOS6.0.0
DEFECT000202790	Medium	Summary: Switch WWN server's monitor still displays down state when the WWN card is plugged back in. Reason Code: Will Not Fix Feature: Fabric Infrastructure Function: Fabric Watch Probability: Medium Reported in Release: FOS6.0.0
DEFECT000202855	Medium	Summary: connUnitSnsEntry table and connUnitSnsMaxEntry do not match with AD configuration Reason Code: Not a Defect Feature: Fabric Infrastructure Function: Other Reported in Release: FOS5.3.0_emb

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000202950	Medium	Summary: VE-port shows an 1200% utilization value Reason Code: Can Not Fix Feature: Fabric Infrastructure Function: Fabric Watch Probability: Medium Reported in Release: FOS6.0.0
DEFECT000203018	Medium	Summary: Brocade 4424: Zoning CLI "cfgsize" is blocked in backup FCS switch. Reason Code: Not Applicable Feature: Embedded Function: FC Service Reported in Release: FOS5.3.0_emb
DEFECT000203080	Medium	Summary: WebTools' ZoneAdmin fails to display correct PID for swapped ports Reason Code: Will Not Fix Feature: Mgmt Embedded - HTTP Function: Zone Admin Probability: Medium Reported in Release: FOS6.0.0
DEFECT000203276	Medium	Summary: Access Gateway mode enable fails if any transaction buffer (Zoning or AD) is present. Reason Code: Not a Defect Feature: Access Gateway Services Function: Daemon Probability: Medium Reported in Release: FOS5.3.0_emb
DEFECT000203455	Medium	Summary: Many "can't open" messages during FWDL from FOS v6.0.0 back to v5.2.1_ni. Reason Code: Will Not Fix Feature: Fabric Infrastructure Function: Security Probability: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000203482	Medium	Summary: Only a portion of config file will be downloaded if a user tries to download a different config DB on to the switch. Reason Code: Will Not Fix Feature: Embedded Function: FC Service Reported in Release: FOS5.3.0_emb
DEFECT000203650	Medium	Summary: When converting a switch from FOS to AG, some residual zoning database was left behind causing frame drops with AG mode. Reason Code: Already Fixed in Release Feature: Access Gateway Services Function: CLI Probability: Low Reported in Release: FOS6.0.0
DEFECT000203685	Medium	Summary: Expected traps (fruhistoryTrap) are not sent by the Brocade 48000 switch. Reason Code: Will Not Fix Feature: FOS Software Function: SNMP Probability: Low Service Request # : RQST00000064947 Reported in Release: FOS5.2.1
DEFECT000203704	Medium	Summary: defzone is set to "all" and RSCN is suppressed, some port(s) receive RSCN upon disabling (enable works fine) Reason Code: Will Not Fix Feature: FC Services Function: Other Probability: Medium Reported in Release: FOS6.0.0
DEFECT000203786	Medium	Summary: "QoS no license" error message prints incorrect slot/port Reason Code: Will Not Fix Feature: QOS Function: Platform Probability: Medium Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000203872	Medium	Summary: AG in auto detect mode does not successfully negotiate N-Ports with a McDATA switch Reason Code: Already Fixed in Release Feature: Access Gateway Services Function: CLI Probability: Medium Reported in Release: FOS6.0.0
DEFECT000203950	Medium	Summary: The Web Tools Backend nsinfo.htm page does not update the timestamp in all instances. Reason Code: Not Reproducible Feature: Mgmt Embedded - HTTP Function: Other Probability: Low Reported in Release: FOS6.0.0
DEFECT000204010	Medium	Summary: HBA firmware downgrade through FM is failing Reason Code: Not a Defect Feature: FC Services Function: Other Reported in Release: FOS6.0.0
DEFECT000204381	Medium	Summary: RBAC role "SecurityAdmin" is able to receive instances on "Brocade_Platform" but the permission is "N" according to the CIMToRBAC matrix. Reason Code: Not a Defect Feature: Mgmt Embedded - RPCD Function: RBAC Probability: Medium Reported in Release: FOS6.0.0
DEFECT000204554	Medium	Summary: Http daemon crashed on Brocade 7500 switch: unable to restart the daemon after reboot when wrong certificate is configured on the switch. Reason Code: Will Not Fix Feature: Mgmt Embedded - HTTP Function: Other Probability: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000204626	Medium	Summary: Fujitsu E6000 Storage cannot autonegotiate speed on 8G ports. Reason Code: Can Not Fix Feature: DCX Platform Services Function: ASIC Port Probability: High Reported in Release: FOS6.0.0
DEFECT000204660	Medium	Summary: Web Tools issues reported on FOS v5.3.x when using https. Reason Code: Not Applicable Feature: Mgmt Embedded - HTTP Function: Firmware Download Probability: High Reported in Release: FOS5.3.0
DEFECT000204785	Medium	Summary: Unable to configure an ip address on a vlan other than vlan 1 Reason Code: Not Applicable Feature: DCE-Protocol Function: NSM Reported in Release: FOS Future
DEFECT000204955	Medium	Summary: Ports are coming up as N-port after config download (AG-configure file) when switch is in enable mode. Reason Code: Not a Defect Feature: Access Gateway Services Function: Daemon Probability: Medium Reported in Release: FOS5.3.0_emb
DEFECT000205023	Medium	Summary: supportsave: seeing intermittent "tar-related" failure messages during supportsave loop Reason Code: Not a Defect Feature: RAS Function: FFDC/Supportsave Probability: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000205199	Medium	Summary: Web Tools does not use the correct speed reference when displaying Ethernet speed. Reason Code: Not Reproducible Feature: FOS Software Function: Management Embedded Probability: High Service Request # : RQST00000066328 Reported in Release: FOS5.3.0
DEFECT000205338	Medium	Summary: TopTalker fabricmode displays flows for devices that are not in the same zone Reason Code: Not Reproducible Feature: Fabric Infrastructure Function: Advanced Performance Monitor Probability: Medium Reported in Release: FOS6.0.0
DEFECT000205398	Medium	Summary: Security: Unable to create a DCC lockdown policy on an Edge switch Reason Code: Not Reproducible Feature: Fabric Infrastructure Function: ACL Probability: Low Reported in Release: FOS6.0.0
DEFECT000205457	Medium	Summary: From a host connected to an entry switch cannot ping another switch in the fabric via iPFC Reason Code: Not Reproducible Feature: IPV6 Function: Infrastructure Probability: Medium Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000205477	Medium	Summary: After an upgrade from one internal build to another (same build different label) one of 24 VIs on 3 FC4-16IP blades failed to PLOGI to the Name Server. Reason Code: Will Not Fix Feature: FC4-16IP Platform Services Function: FC4-16IP Blade Driver Probability: Low Reported in Release: FOS6.0.0
DEFECT000205556	Medium	Summary: VE port state doesn't change from Healthy to Marginal when its utilization is above/below the high/low boundary Reason Code: Can Not Fix Feature: Fabric Infrastructure Function: Fabric Watch Probability: Medium Reported in Release: FOS6.0.0
DEFECT000205572	Medium	Summary: iSCSI: the operational status shows "Not connected..." forever if online peering GE port which had been disabled for a long time Reason Code: Will Not Fix Feature: iSCSI Function: ISCSI ISNS Probability: Low Reported in Release: FOS6.0.0
DEFECT000205608	Medium	Summary: Brocade 4024: On chassis, portcfgshow command shows internal ports supporting trunking. Reason Code: Will Not Fix Feature: Embedded Platform Function: Other Reported in Release: FOS5.3.0
DEFECT000205616	Medium	Summary: FCIP service should be disabled and all tunnels should go offline after removing the FCIP license. Reason Code: Not a Defect Feature: FCIP Function: FCIP Port Probability: High Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000205687	Medium	Summary: Unable to delete the last IP Interface in the table even though it is not used for configuring any FCIP tunnel. Reason Code: Not a Defect Feature: FCIP Function: FCIP CLI Probability: Medium Reported in Release: FOS6.0.0
DEFECT000205697	Medium	Summary: Support to persistently disable the GIGE port is not available in Brocade_SwitchGigEPort CAL class Reason Code: Not a Defect Feature: Mgmt Embedded - CAL Function: Other Probability: High Reported in Release: FOS6.0.0
DEFECT000205701	Medium	Summary: When trying to change interop mode, Brocade 48000 returned constant fabric-busy. Reason Code: Not Reproducible Feature: Native Interop Function: Fabric Probability: Low Reported in Release: FOS6.0.0
DEFECT000205736	Medium	Summary: portlist on TI zones should not accept WWN format - only D,P should be accepted Reason Code: Not a Defect Feature: FC Services Function: Zoning Probability: High Reported in Release: FOS6.0.0
DEFECT000205758	Medium	Summary: Failover was delayed for about 18 minutes after hafailover was issued, and sudden panic dumps were generated on the standby side after sync process started without showing errors, resulted from the test: bladedisable all port blades + hafailover. Reason Code: Not Reproducible Feature: Infrastructure Function: High Availability Probability: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000205788	Medium	Summary: All WWN LEDs still light up after frureplace wwn command has finished backing up WWN data in DCX chassis Reason Code: Not Reproducible Feature: DCX Platform Services Function: Sys-Control/EM Probability: High Reported in Release: FOS6.0.0
DEFECT000205845	Medium	Summary: Scimitar faulty 51 due to failed POST Reason Code: Not a Defect Feature: FA4-18 Platform Services Function: FOS Kernel Drivers Reported in Release: FOS5.3.0
DEFECT000205932	Medium	Summary: Security: FIPS enable and reboot on chassis system resulted in FIPS being disabled on the other CP when active CP is rebooted before HA is synced Reason Code: Not a Defect Feature: Fabric Infrastructure Function: Security Probability: High Reported in Release: FOS6.0.0
DEFECT000205940	Medium	Summary: In some scenarios, EX-port long distance mode change from LD to LS on Brocade DCX causes VERIFY Reason Code: Will Not Fix Feature: Platform Services Function: ASIC Driver Probability: Low Reported in Release: FOS6.0.0
DEFECT000205959	Medium	Summary: Parent defect : TR000205100 Setting property Brocade_FCSwitchSettings.preferreddomainid doesn't set the property consistently. Reason Code: Not a Defect Feature: Mgmt Embedded - CAL Function: FCR Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000205999	Medium	Summary: The Fabric Events window does not display events if logging into WebTools via https. Fixed in FOS v6.0. Reason Code: Not a Defect Feature: FOS Software Function: Management Embedded Service Request # : RQST00000067182 Reported in Release: FOS5.3.0
DEFECT000206037	Medium	Summary: "VERIFY - Failed expression: status == 0" seen after supportsave completed (Brocade 4100). Reason Code: Not Reproducible Feature: Platform Services Function: Sys-Control/EM Probability: Low Reported in Release: FOS6.0.0
DEFECT000206068	Medium	Summary: Not able to configure IPV6 secure tunnel Reason Code: Already Fixed in Release Feature: FCIP Function: FCIP CLI Reported in Release: FOS6.0.0
DEFECT000206077	Medium	Summary: SilkWorm 3800's panic with memory loss. Reason Code: Not Applicable Feature: Software Function: Operating System Service Request # : RQST00000067322 Reported in Release: FOS3.2.1
DEFECT000206135	Medium	Summary: Bogus FabricWatch messages observed on the active CP console only during supportsave. Reason Code: Already Fixed in Release Feature: Fabric Infrastructure Function: Fabric Watch Probability: Medium Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000206189	Medium	Summary: Security: During FIPS enable, disabling root account did not work correctly. Reason Code: Not Reproducible Feature: Fabric Infrastructure Function: Security Reported in Release: FOS6.0.0
DEFECT000206191	Medium	Summary: Brocade 4900 ran out of memory and rebooted approximately every 6 hours with error message. Reason Code: Not Reproducible Feature: FC Services Function: Name Server Probability: Low Reported in Release: FOS6.0.0
DEFECT000206225	Medium	Summary: After creating FCIP tunnels sequentially using SMI-A the remote procedure call daemon crashes. Reason Code: Not Reproducible Feature: Mgmt Embedded - RPCD Function: FCIP Reported in Release: FOS6.0.0
DEFECT000206226	Medium	Summary: Failure to delete FCIP tunnels intermittently if the deletion is performed sequentially. Reason Code: Already Fixed in Release Feature: Mgmt Embedded - RPCD Function: FCIP Reported in Release: FOS6.0.0
DEFECT000206298	Medium	Summary: Second FR4-18i blade in Brocade 48000 comes up Faulty(71) after both CPs are rebooted at the same time after firmwaredownload -sf. Reason Code: Will Not Fix Feature: Infrastructure Function: Firmware Download Probability: Low Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000206349	Medium	Summary: Switch panic can occur when many servers reboot at the same time with a certain type of HBA that does not cut off light during bootup. This applies to 2Gbit platforms only. Reason Code: Not Applicable Feature: FOS Software Function: ASIC Driver Probability: Low Service Request # : RQST00000067860 Reported in Release: FOS5.3.0
DEFECT000206385	Medium	Summary: Long events are not displayed completely in the Trap Description on MIB Browsers. Reason Code: Will Not Fix Feature: RAS Function: RAS Log Reported in Release: FOS6.0.0
DEFECT000206464	Medium	Summary: Brocade 4424: Internal ports should not be allowed to be configured as N4. Reason Code: Not a Defect Feature: Embedded Function: Platform Probability: Medium Reported in Release: FOS5.3.0_emb
DEFECT000206486	Medium	Summary: Ingress rate limiting on a FICON device does not limit the I/O to the configured value Reason Code: Not a Defect Feature: QOS Function: Platform Probability: Medium Reported in Release: FOS6.0.0
DEFECT000206547	Medium	Summary: Not able to add 96-bit license after upgrading from Fabric OS v5.3 to v6.0. Reason Code: Already Fixed in Release Feature: Fabric Infrastructure Function: License Probability: High Reported in Release: FOS6.0.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000206634	Medium	Summary: POST & system verification internal stress programs should not be available. Reason Code: Will Not Fix Feature: Diagnostics Function: Post Diags Probability: Low Reported in Release: FOS5.3.0
DEFECT000206696	Medium	Summary: Configdownload from mode0 to mode 2 or 3 is not clearing the zone database. Reason Code: Will Not Fix Feature: Native Interop Function: Other Reported in Release: FOS6.0.0
DEFECT000206701	Medium	Summary: Changing insistent domainID does not broadcast on other brocade switches in fabric Reason Code: Not a Defect Feature: Native Interop Function: Fabric Probability: High Reported in Release: FOS6.0.0
DEFECT000206720	Medium	Summary: Changing defzone state from CLI causes a hanging zone transaction Reason Code: Not a Defect Feature: Native Interop Function: Other Probability: Medium Reported in Release: FOS6.0.0
DEFECT000206842	Medium	Summary: "no mtu" command is not working on switchport Reason Code: Not Applicable Feature: DCE-Infrastructure Function: IFM Probability: High Reported in Release: FOS Newton

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000207542	Medium	Summary: Tracking MS fix from FOS v6.0 branch to v5.3 maintenance branch. Covered by separate defect. Reason Code: Not Applicable Feature: FC Services Function: Mgmt Server Reported in Release: FOS5.3.0
DEFECT000207639	Medium	Summary: Enhance FOS v5.3.1 to better support in future releases the automatic FCS policy distribution feature. Reason Code: Not Applicable Feature: Fabric Infrastructure Function: Security Probability: Medium Reported in Release: FOS6.0.0
DEFECT000209079	Medium	Summary: nsd panic with 2 duplicated wwpn online Reason Code: Already Fixed in Release Feature: FOS Software Function: Fabric Services Service Request # : 245629 Reported in Release: FOS5.3.0
DEFECT000209287	Medium	Summary: SetInstance operation on Brocade_Txn fails to commit IP filter policy change Reason Code: Not a Defect Feature: Mgmt Embedded - CAL Function: Security Policies Reported in Release: FOS6.0.0
DEFECT000209495	Medium	Summary: Lost user id/password after firmware upgrade. Reason Code: Not Applicable Feature: FOS Software Function: Firmware Download Service Request # : 246641 Reported in Release: FOS5.3.0

Defect ID	Technical Severity	Summary of Defects Closed without Code Change in Fabric OS v6.1.0
DEFECT000209589	Medium	Summary: FC6-10 blade faulty on Brocade DCX reboot (FOS v6.0.0). Reason Code: Will Not Fix Feature: Undetermined Function: Under Review Service Request # : 246455 Reported in Release: FOS6.0.0
DEFECT000210251	Medium	Summary: CP's out of sync after Firmwareupgrade from Fabric OS v5.2.0b to v5.3.0c. Reason Code: Already Fixed in Release Feature: FOS Software Function: SNMP Service Request # : 275955 Reported in Release: FOS5.3.0
DEFECT000210588	Medium	Summary: FirmwareDownload does not retry when an ftp server fails. Reason Code: Will Not Fix Feature: FOS Software Function: Firmware Download Service Request # : 302001 Reported in Release: FOS5.3.0
DEFECT000211284	Medium	Summary: File system downgrade to FOS v5.3.0 vulnerable to error: ext3_new_inode no space. Reason Code: Not Applicable Feature: OS Services Function: Linux Kernal Reported in Release: FOS5.3.0
DEFECT000211767	Medium	Summary: ACC for REC is not properly translating the ORIG_N_PORT_ID. Reason Code: Will Not Fix Feature: FOS Software Function: FCR Probability: High Service Request # : 303631 Reported in Release: FOS5.3.0