# FastIron 08.0.61c for Ruckus ICX Switches

## Release Notes Version 2

17 May 2018

## Copyright, Trademark and Proprietary Rights Information

## Export Restrictions

These products and associated technical data (in print or electronic form) may be subject to export control laws of the United States of America. It is your responsibility to determine the applicable regulations and to comply with them. The following notice is applicable for all products or technology subject to export control:

*These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.*

## Disclaimer

## Limitation of Liability

## Trademarks

# Contents

# Document history

| Version | Summary of changes | Publication date |
|---|---|---|
| FastIron 08.0.61c for Brocade ICX Switches Release Notes Version 2 | Updated PoE firmware filenames. Added issue FI-181689. | May 17, 2018 |
| FastIron 08.0.61c for Brocade ICX Switches Release Notes Version 1 | Defect fixes. | May 14, 2018 |

# Preface

## Ruckus Product Documentation Resources

Visit the Ruckus website to locate related documentation for your product and additional Ruckus resources.

Release Notes and other user documentation are available at https://support.ruckuswireless.com/documents.

You can locate documentation by product or perform a text search. Access to Release Notes requires an active support contract and Ruckus Support Portal user account. Other technical documentation content is available without logging into the Ruckus Support Portal.

White papers, data sheets, and other product documentation are available at https://www.ruckuswireless.com.

## Online Training Resources

To access a variety of online Ruckus training modules, including free introductory courses to wireless networking essentials, site surveys, and Ruckus products, visit the Ruckus Training Portal at https://training.ruckuswireless.com.

## Document feedback

Ruckus is interested in improving its documentation and welcomes your comments and suggestions. You can email your comments to Ruckus at: docs@ruckuswireless.com

When contacting us, please include the following information:
- Document title and release number
- Document part number (on the cover page)
- Page number (if appropriate)

For example:
- Ruckus Small Cell Alarms Guide SC Release 1.3
- Part number: 800-71306-001
- Page 88

# Contacting Ruckus Customer Services and Support

The Customer Services and Support (CSS) organization is available to provide assistance to customers with active warranties on their Ruckus Networks products, and customers and partners with active support contracts.

For product support information and details on contacting the Support Team, go directly to the Support Portal using https://support.ruckuswireless.com, or go to https://www.ruckuswireless.com and select Support.

**What Support Do I Need?**

Technical issues are usually described in terms of priority (or severity). To determine if you need to call and open a case or access the self-service resources use the following criteria:

- Priority 1 (P1)—Critical. Network or service is down and business is impacted. No known workaround. Go to the Open a Case section.
- Priority 2 (P2)—High. Network or service is impacted, but not down. Business impact may be high. Workaround may be available. Go to the Open a Case section.
- Priority 3 (P3)—Medium. Network or service is moderately impacted, but most business remains functional. Go to the Self-Service Resources section.
- Priority 4 (P4)—Low. Request for information, product documentation, or product enhancements. Go to the Self-Service Resources section.

**Open a Case**

When your entire network is down (P1), or severely impacted (P2), call the appropriate telephone number listed below to get help:

- Continental United States: 1-855-782-5871
- Canada: 1-855-782-5871
- Europe, Middle East, Africa, and Asia Pacific, toll-free numbers are available at https://support.ruckuswireless.com/contact-us and Live Chat is also available.

**Self-Service Resources**

The Support Portal at https://support.ruckuswireless.com/contact-us offers a number of tools to help you to research and resolve problems with your Ruckus products, including:

- Technical Documentation—https://support.ruckuswireless.com/documents

- Community Forums—
  https://forums.ruckuswireless.com/ruckuswireless/categories
- Knowledge Base Articles—https://support.ruckuswireless.com/answers
- Software Downloads and Release Notes—
  https://support.ruckuswireless.com/software
- Security Bulletins—https://support.ruckuswireless.com/security

Using these resources will help you to resolve some issues, and will provide TAC with additional data from your troubleshooting analysis if you still require assistance through a support case or RMA. If you still require help, open and manage your case at https://support.ruckuswireless.com/case_management.

# Overview

Brocade FastIron Release 08.0.61 introduces the Ruckus ICX 7150 Z-Series switch, along with a continued commitment to The Effortless Network™ vision of making the network flexible, easy to manage, and cost-effective. The Effortless Network™ is enabled by Brocade® Campus Fabric, which brings campus networks into the modern era to better support mobility, security, and application agility. This evolutionary architecture integrates innovative technologies to streamline application deployment, simplify network management, and reduce operating costs.

# New in this release

## Hardware

The following section lists new hardware introduced with this release as well as hardware that is not supported with this release.

### New switch

| Product name | Ruckus ICX 7150 Z-Series Switch |
|---|---|
| Description | Entry-level Stackable, 10G, and MultiGig Switch |
| Product features | The Ruckus ICX 7150 Z-Series switch offers the following features:<br>• Full Layer 2 switching capability (4K VLANs, xSTP, Flexible Authentication, RIP Advertisement, OpenFlow 1.0 & 1.3, Static IPv4 routes)<br>• Premium Layer 3 License (OSPF v2, OSPF v3, VRRP, VRRPv3, VRRP-E, PIM-SM, PIMSSM, PIM-DM, PIM Passive)<br>• 16 2.5G+ Copper ports, that support 100M/1G/2.5G operation.<br>• 8 ports 1/10GE SFP+ Stacking/Uplink<br>• Field Install Upgrade Licenses<br>• Redundant Hot Swap Fans and Load-Sharing Power Supplies |

### New adapter

| Product name | 10G LRM Adapter |
|---|---|
| Description | 10 GE LRM SFP+ Support on ICX 7150, ICX 7250 & ICX 7750 |

## Software features

The following section lists new, modified, and deprecated software features for this release. For information about which platforms support these features, refer to the *FastIron Features and Standards Support Matrix*, available at https://support.ruckuswireless.com/documents.

### New software features for 08.0.61c

FastIron release 08.0.61c contains defect fixes only. There are no features or enhancements in this release.

## New software features for 08.0.61b

FastIron release 08.0.61b contains defect fixes only. There are no features or enhancements in this release.

## New software features for 08.0.61a

FastIron release 08.0.61a contains defect fixes only. There are no features or enhancements in this release.

## New software features for 08.0.61

The following software features are introduced in this release.

- **Support for Additional Features on the ICX 7150**
  - 2x10G and 4x10G Stacking
  - Layer 3 IP Routing features (with software license) – IPv4 and IPv6 dynamic routes, OSPF v2 & v3, PIM-SM, PIM-SSM, PIM-DM, PIM passive (IPv4, IPv6), PBR, Virtual Route Redundancy Protocol VRRP (IPv4), VRRP v3 (IPv6),
  - OpenFlow v1.0 and v1.3
  - Virtual Cable Testing (VCT)
- **DHCP-Based VE Provisioning** – When the ICX device boots up in factory default mode running the Layer 3 router image, the default VE is created based on the DHCP server option (option 43) and the DHCP IP address is assigned to the VE.
- **LAG Virtual interface** – The requirement for a primary port that anchors the LAG is removed; instead, all features running over a LAG will be anchored on the LAG virtual interface.
- **IP Source Guard (IPSG) at VLAN Level** – IP source guard can be enabled on an ICX device for a range of ports in a VLAN or on the entire VLAN.
- **IPSG scale** –520 clients per interface for stacking and 256 clients per interface for SPX. On certain Brocade devices, such as ICX 7150 which have smaller TCAM, the IP source guard entries are limited to 256 entries.
- **PVST+ protect** – If a PVST+ packet is received on a port configured for MSTP, an ICX device floods it to all its ports in the VLAN so that it reaches other PVST+ devices across the VLAN. This flooding can sometimes cause a port to be blocked on the Cisco side. This feature prevents this flooding, blocking the PVST+ BPDU and marking the port as ERR-DISABLED.
- **MSTP Root Guard** – Root guard is supported for MSTP at the port level, to ensure that the port is in the designated state all the time.
- **Protected Port** – Protected ports restrict Layer 2 communication among such ports at the system level, providing isolation to end hosts.
- **Campus Fabric Enhancements**

- o **SPX E-channel identifiers (E-CID) ping/trace** – The Switch Port Extender (SPX) ping command has been added to assist in data port troubleshooting.
- o **ZTP enhancements** – Zero-touch and SPX interactive-setup have enhancements to harden the discovery process as of FastIron release 08.0.61. Zero touch provisioning was hardened to drop user traffic until the discovery of the new units is complete. To enhance troubleshooting, new show commands are also introduced.
- o **EEE support on SPX** – In addition to standalone and stacking environment, Energy Efficient Ethernet (EEE) is supported on SPX environment. When ICX7450 and ICX7250 platforms are used as a port extender (PE), the EEE feature can be configured from Control Bridge (CB) unit.

- **DHCP static MAC address to IP address mapping** – Based on the client MAC-address you can statically configure the IP address to the MAC address in the DHCP server. This configuration is useful when you need to have selected clients assigned with particular IP addresses from the server. Whenever a DHCP discover message is received from these clients, based on the static configuration, the IP address will be assigned with the other required parameters.
- **DHCP options 43 and 60 –** ICX devices running as DHCP servers can be configured with Option 43 and Option 60. DHCP option 60 helps in identifying the incoming DHCP client. If the vendor class ID advertised by the DHCP client matches with the DHCP server, the server makes a decision to exchange the vendor-specific information configured as part of DHCP Option 43.
- **supportSave for SCP –** supportSave utility added for SCP.
- **PoE Overdrive –** PoE overdrive feature allows the Class 0 and Class 4 PoE-powered device to negotiate for power greater than 30-watt allocation in 2-pair wire mode. The maximum power that can be processed based on LLDP negotiation is limited to the hardware capability of the power-sourcing equipment. This feature is supported only with ICX 7150-48ZP and Ruckus APs. The supported AP is R720 with release 3.5.1 or later.
- **Flexible Authentication Enhancements**
  - o **Critical Voice VLAN** – Voice VLAN configuration facilitates the continued functioning of Voice over IP (VoIP) phones when external server authentication or authorization fails.
  - o **Reauthentication with dead RADIUS server** – To detect dead RADIUS servers, you can configure regular monitoring that begins at system startup.
  - o **Multiple IPv6 addresses with dynamic ACLs** – Up to four IPv6 addresses are supported with dynamic ACLs.
  - o **Additional RADIUS attributes**– Acct-Terminate-Cause, Class, Framed-IPv6-Address and Idle-Timeout.

o **Colon-separated MAC address format for MAC authentication**

# CLI changes

The following section lists new, modified, and deprecated commands for this release.

## New commands in 08.0.61c

There are no new commands in FastIron release 08.0.61b.

## New commands in 08.0.61b

There are no new commands in FastIron release 08.0.61b.

## New commands in 08.0.61a

There are no new commands in FastIron release 08.0.61a.

## New commands in 08.0.61

The following commands are new in this release:

- auth-timeout-action
- authentication voice-vlan
- clear pvst-plus-protect-statistics
- enable nd hop-limit
- errdisable recovery
- ignore-temp-shutdown
- inline power overdrive
- interface lag
- lacp-mode
- lag-mac
- mstp root-protect timeout
- protected-port
- pvstplus-protect
- show hardware ipv6-route
- show hardware route
- show ip arp inspection
- show license installed
- show mstp root-protect
- show protected-port
- show pvstplus-protect
- show spx csp

- show spx debug
- show spx zero-touch ipc
- show spx zero-touch log
- show spx zero-touch status
- spx ping
- system-max l3-interface
- voice-vlan

## Modified commands in 08.0.61

The following commands have been modified in this release:

- auth-fail-action (flexible authentication)
- clear access-list accounting
- copy flash flash
- default-ports
- inline power install-firmware
- inline power install-firmware scp
- ip dhcp-client enable
- ip rip prefix-list
- ip route
- ip rip route-map
- ipv6 route
- ipv6 route next-hop
- ipv6 route next-hop-enable-default
- ipv6 route next-hop-recursion
- lag
- license install perpetual
- mac-authentication password-format
- mka-cfg-group
- multi-stack-port
- multi-stack-trunk
- poison-reverse
- prefix-list (RIP)
- pvst-mode
- regenerate-seq-num
- reload
- ring interfaces
- show access-list accounting

- show acl-on-arp
- show configuration
- show dot1x sessions
- show hardware mac entry
- show inline power debug-info
- show inline power emesg
- show ip dhcp snooping info
- show mac-authentication sessions
- show running-config
- show running-config interface ethernet
- show span vlan
- show stack
- show statistics
- show statistics dos-attack
- show spx
- show spx-mon
- show version
- show vlan
- source-guard enable
- tagged

Several commands have been updated to include Ethernet LAG ID options. Please refer to the Brocade FastIron Command Reference.

## Deprecated commands in 08.0.61

The following commands have been deprecated in this release:

- chassis fanless-mode-enable (replaced by chassis fanless)
- deploy
- ip dhcp-client discovery-interval
- ip dhcp-client continuous-mode max-duration
- primary-port
- show spx zero ipc (replaced by show spx zero-touch ipc)
- static ethernet
- tag-type
- uplink-switch

# RFCs and standards

The following RFCs and standards are newly supported in this release:

- IEEE 802.3bz – 2.5GBASE-T

# Hardware support

## Supported devices

The following devices are supported in this release:

- ICX 7150 Series (ICX 7150-C12P, ICX 7150-24, ICX 7150-24P, ICX 7150-48, ICX 7150-48P, ICX 7150-48PF, ICX 7150-48ZP)
- ICX 7250 Series (ICX 7250-24, ICX 7250-24G, ICX 7250-24P, ICX 7250-48, ICX 7250-48P)
- ICX 7450 Series (ICX 7450-24, ICX 7450-24P, ICX 7450-32ZP, ICX 7450-48, ICX 7450-48F, ICX 7450-48P)
- ICX 7750 Series (ICX 7750-26Q, ICX 7750-48C, ICX 7750-48F)

## Supported power supplies

For a list of supported power supplies, refer to the Data Sheet for your device. Data Sheets are available online at www.ruckuswireless.com.

## Supported optics

For a list of supported fiber-optic transceivers that are available from Ruckus, refer to the latest version of the Ruckus Ethernet Optics Family Data Sheet available online at www.ruckuswireless.com/optics.

# Software upgrade and downgrade

## Image file names

Download the following images from www.ruckuswireless.com.

| Device | Boot image file name | Flash image file name |
|---|---|---|
| ICX 7150 | mnz10110.bin | Router: SPR08061c.bin<br>Switch: SPS08061c.bin |
| ICX 7250 | spz10110.bin | Router: SPR08061c.bin<br>Switch: SPS08061c.bin |
| ICX 7450 | spz10110.bin | Router: SPR08061c.bin<br>Switch: SPS08061c.bin |
| ICX 7750 | swz10110.bin | Router: SWR08061c.bin<br>Switch: SWS08061c.bin |

## PoE firmware files

The following tables lists the PoE firmware file types supported in all 08.0.61 releases. The firmware files are specific to their devices and are not interchangeable. For example, you cannot load ICX 7250 firmware on an ICX 7450 device.

*Note: Do not downgrade PoE firmware from the factory installed version. When changing the POE firmware, always check the current firmware version with the **show inline power detail** command, and make sure the firmware version you are installing is higher than the version currently running.*

*Note:  The PoE circuitry includes a microcontroller pre-programmed at the Brocade factory. The software can be loaded as an external file. The initial release of the microcontroller code is still current and does not need to be upgraded. The PoE firmware version string will be kept updated to match the corresponding FastIron software version; however, this is only a cosmetic change, and the firmware itself remains unchanged.  If a new version of the code is released, Brocade will notify its customers of the needed code upgrade. Finally, in the remote case that a failure occurs during an upgrade process, the switch would still be functional but without PoE circuitry. If you encounter such an issue, please contact Brocade Technical Support.*

**Table 1  PoE firmware files**

| Device | Firmware version | File name |
|---|---|---|
| ICX 7150 | 2.1.0 fw | icx7xxx_poe_02.1.0.b002.fw |

| Device | Firmware version | File name |
|---|---|---|
| ICX 7250 | 2.1.0 fw | icx7xxx_poe_02.1.0.b002.fw |
| ICX 7450 | 2.1.0 fw | icx7xxx_poe_02.1.0.b002.fw |

# Defects

## Closed with code changes in release 08.0.61c

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of 11-May-2018 in 08.0.61c.

| Issue | FI-181537 |
|---|---|
| Symptom | show clock detail shows summer time start and end date incorrectly. |
| Condition | configure "clock summer-time" and "clock timezone us Eastern". show clock details displays incorrect start and end date for summer time |
| Workaround | NA |
| Recovery | NA |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Management - CLI - Command Line Interface |

| Issue | FI-182302 |
|---|---|
| Symptom | Although destination MAC address is correctly learned, traffic is getting flooded out on multiple ports. |
| Condition | When the stacking port goes down, ACL unbind is called where the port bit mask is updated for all the rules on that port. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | |

| Issue | FI-182899 |
|---|---|
| Symptom | Security vulnerability in web server due to a script. |
| Condition | Security vulnerability in web server due to a script. |
| Workaround | |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Security - Security Vulnerability |

| Issue | FI-181963 |
|---|---|
| Symptom | Configured max-reauth request value is not updated in show dot1x configuration |
| Condition | On ICX devices, it always shows default value for max-reauth request in show dot1x configuration even though user change it to a different value. |
| Workaround | No functional impact |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Management - CLI - Command Line Interface |

| Issue | FI-182212 |
|---|---|
| Symptom | On ICX7750 stack when polled for temperature values for all the units remote units temperature will be shown as 0. |
| Condition | Issue is seen with ICX7750 stack when polled for temperature of remote units . |
| Workaround | None |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Management - SNMP - Simple Network Management Protocol |

| Issue | FI-180474 |
|---|---|
| Symptom | Switch might reload while processing FDP packets. |
| Condition | Switch might reload while processing FDP packets. |
| Workaround | |
| Recovery | |
| Probability | Low |
| Found In | FI 07.4.00 |
| Technology/ Technology Group | Management - FDP - Foundry Discovery Protocol |

| Issue | FI-181734 |
|---|---|
| Symptom | Continuous reload seen when adding a new unit to the stack. |
| Condition | 1."system-max ip-arp" set to a non-default value on the stack.<br>2.New unit with no running config is added to the stack.<br>3.New unit gets into continuous reload. |
| Workaround | NA |
| Recovery | Whenever a new value for "system-max ip-arp" is set, the ICX device must be reloaded for the configuration to take effect. |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/<br>Technology<br>Group | System - System |

| Issue | FI-181728 |
|---|---|
| Symptom | When stp-bpdu's are received, the interface will move to Up and Disabled state. |
| Condition | In ICX7250 enable stp-bpdu-guard in the interface level and when stp-bpdu's are received. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/<br>Technology<br>Group | Layer 2 Switching - BPDU Guard - Bridge Protocol Data Unit |

| Issue | FI-181529 |
|---|---|
| Symptom | Sflow collector reports XDR error. |
| Condition | 802.1x authentication and sflow are enabled on the same interface. Sflow sends user-name attribute in the sample packet. |
| Workaround | |
| Recovery | |
| Probability | Low |
| Found In | FI 08.0.30 |
| Technology/<br>Technology<br>Group | Security |

| Issue | FI-181448 |
|---|---|
| Symptom | linkDown snmp trap contains unexpected value |
| Condition | On ICX devices, when operationally enabled port is disabled then operational status will be shown in snmp TRAP on mib browser as "Up" always. Issue seen only with snmp trap. |
| Workaround | No functional impact. |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Management - SNMP - Simple Network Management Protocol |

| Issue | FI-116795 |
|---|---|
| Symptom | Error traces might be observed randomly - "Error: remaining ticks (0) is smaller than elapsed ticks" |
| Condition | Switch is up and running for 621 days. |
| Workaround | Reboot before 621 days of system up time. If reboot was not done in 621 days and after that if errors are seen, then also reboot system. |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Management - Configuration Fundamentals |

| Issue | FI-179229 |
|---|---|
| Symptom | Radius Authentication Configuration lost after reboot if the radius key is longer than 45 characters. "Error: RADIUS key can have maximum of 64 characters" during boot up. |
| Condition | 1. Radius key configuration with key size more than 45 characters followed by reload. 2. Tacacs+ key configuration with key size more than 45 characters followed by reload. 3. Radius coa client key configuration with key size more than 45 characters followed by reload. |
| Workaround | NA |
| Recovery | NA |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Security - RADIUS |

| Issue | FI-121719 |
|---|---|
| Symptom | On the ICX7150 if LRM adapter is connected to it without the fiber cable connection on the LRM adapter's line side then on the ICX7150 side the port LED remains Up |
| Condition | This issue happens on the ICX7150 when the LRM adapter is connected to ICX7150 without fiber cable connected to LRM adapter |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | |

| Issue | FI-182214 |
|---|---|
| Symptom | In Telnet/SSH the "show ip bgp route" command output not paged |
| Condition | In Telnet/SSH the "show ip bgp route" command page more is not working |
| Workaround | |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | |

| Issue | FI-178385 |
|---|---|
| Symptom | Logging on one or more ACLs will not work when the logging is enabled on a LAG interface. |
| Condition | It happens on a switch image. It happens on a LAG interface. It happens when there are multiple per-VLAN configurations of ACLs existing. It happens when the logging is finally enabled, |
| Workaround | Enabling logging on the interface prior to configuring the ACLs will avoid running into this issue. |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.70 |
| Technology/ Technology Group | |

| Issue | FI-181524 |
|---|---|
| Symptom | LLDP Neighborship is not formed when devices are connected to second module of standby unit. |
| Condition | 1. Configure the interface in second module of standby unit with 1G speed dulpex.<br>2. show lldp neighbor will not list the device connected to second module of standby unit. |
| Workaround | |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | |

| Issue | FI-181317 |
|---|---|
| Symptom | router can crash when using multi-spx-lag. |
| Condition | use the CLI multi-spx-lag to config the lag |
| Workaround | none |
| Recovery | don't use the multi-spx-lag |
| Probability | Medium |
| Found In | FI 08.0.70 |
| Technology/ Technology Group | |

| Issue | FI-181126 |
|---|---|
| Symptom | multi-spx-lag configuration fail in descending order. |
| Condition | unable to configure multi-spx-lag port in descending order |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.70 |
| Technology/ Technology Group | Layer 2 - Link Aggregation |

| Issue | FI-181955 |
|---|---|
| Symptom | "show configuration" command should be executed . |
| Condition | Memory leak is  seen each time show configuration command is executed . |
| Workaround | NA |
| Recovery | NA |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ | |

| Technology Group | |
|---|---|

| Issue | FI-181579 |
|---|---|
| Symptom | RADIUS Accounting request for user login does not have user-name attribute. |
| Condition | Accounting feature with RADIUS method is enabled for user login. |
| Workaround | |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Security - RADIUS |

| Issue | FI-179035 |
|---|---|
| Symptom | IPC Warning messages are seen continuously on console on stack of ICX7450. |
| Condition | The stack has to be ICX7450 and LLDP should be enabled for this issue to be seen . |
| Workaround | NA |
| Recovery | NA |
| Probability | Low |
| Found In | FI 08.0.40 |
| Technology/ Technology Group | Stacking - Secure Setup, Autoconfig, Manifest files, Autocopy |

| Issue | FI-180553 |
|---|---|
| Symptom | PoE powersupply is shown as regular powersupply during bootup in active unit. |
| Condition | Issue can be seen while executing the below set of commands. 1.clear syslog 2. reload the device 3. show log |
| Workaround | No Workaround |
| Recovery | None. |
| Probability | Low |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Monitoring - Syslog |

| Issue | FI-184063 |
|---|---|
| Symptom | A traceroute command to a destination succeeds but does not return the prompt (except ctrl-c ) after completion. |
| Condition | After execution of traceroute command, it has to send ITC response notification to SSH module to release the prompt, but it sent to SNMS module. So, user needs to hit Ctrl+C to come out of the prompt. |
| Workaround | User can hit Ctrl+C to come out of the prompt. |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | |

| Issue | FI-181825 |
|---|---|
| Symptom | Continuous reload seen when adding a new unit to the stack. |
| Condition | 1."urpf" configured on the stack with "system-max ip-route/system-max ip6-route" set to a non-default value on the stack.<br>2.New unit with no running config is added to the stack.<br>3.New unit gets into continuous reload. |
| Workaround | NA |
| Recovery | |
| Probability | Low |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Stacking - Secure Setup, Autoconfig, Manifest files, Autocopy |

| Issue | FI-181683 |
|---|---|
| Symptom | When support save all (display or tftp) command is executed, CPU spikes to 99% and data traffic is dropped |
| Condition | On ICX7XXX devices, supportsave all display command is triggered when flexauth dot1x is enabled. |
| Workaround | removing flexauth config will not create any issue in supportsave display. But this is not possible workaround for all customers. |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Management - Configuration Fundamentals |

| Issue | FI-182229 |
|---|---|
| Symptom | snmp bulkwalk gives incorrect value for bgp4V2PeerDescription. |
| Condition | 1.configure snmp-server.<br>2.Establish BGP connection with 4-5peers.<br>3.Try snmpwalk and snmpbulkwalk of bgp4V2PeerDescription.<br>snmpbulkwalk values will be incorrect. |
| Workaround | NA |
| Recovery | |
| Probability | Low |
| Found In | FI 08.0.30 |
| Technology/<br>Technology<br>Group | Management - SNMP - Simple Network Management Protocol |

| Issue | FI-180143 |
|---|---|
| Symptom | Unexpected reload seen in ICX stack of 1 unit |
| Condition | On ICX devices while trying to print buffer in console, reload occurs due to negative length value. |
| Workaround | |
| Recovery | |
| Probability | Low |
| Found In | FI 08.0.30 |
| Technology/<br>Technology<br>Group | Management |

| Issue | FI-181265 |
|---|---|
| Symptom | Unexpected reboot of unit 4 in a stack due to sflow packets. |
| Condition | 4-unit stack with sflow enabled. |
| Workaround | NA |
| Recovery | |
| Probability | Low |
| Found In | FI 08.0.30 |
| Technology/<br>Technology<br>Group | Stacking - Traditional Stacking |

| Issue | FI-180346 |
|---|---|
| Symptom | Unexpected reload happen on unit 1 of 4 unit stack. |
| Condition | On ICX stack while processing IPC message on stack unit, reload happens on one of the units due to invalid memory access. |
| Workaround | |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.40 |
| Technology/ | System - System |

| Technology Group | |
|---|---|

| Issue | FI-112032 |
|---|---|
| Symptom | SCP command to copy running-configuration does not copy complete running-configuration. |
| Condition | SCP command is used to copy running-configuration of ICX device. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | |

| Issue | FI-182031 |
|---|---|
| Symptom | Scheduled reset from secondary in a stack boots from primary. |
| Condition | reload at <time> from <secondary> cli command boots from primary in a stack. |
| Workaround | NA |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Stacking - Traditional Stacking |

| Issue | FI-181850 |
|---|---|
| Symptom | When there are multiple ip subnets configured on the interface, the DHCP Server might not offer the IP address from the subnet of the secondary ip addresses. |
| Condition | Configure a DHCP server with multi-subnet VE |
| Workaround | |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | |

| Issue | FI-182608 |
|---|---|
| Symptom | ICX device might unexpectedly reload when the last port is removed from a LAG |
| Condition | Remove the last port from the LAG |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | |

| Issue | FI-183002 |
|---|---|
| Symptom | Mac from KG350s Encryptor's might not be learnt on the 7150 switches. |
| Condition | Send EAPOL Packet with Ethertype as 0x888e and destination mac address as 01:aa:bb:cc:00:01 from Encryptor to ICX7150. |
| Workaround | |
| Recovery | |
| Probability | Low |
| Found In | FI 08.0.60 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

| Issue | FI-183094 |
|---|---|
| Symptom | On ICX7150-48 3 unit stack with Broadcast and multicast configuration of all 3 Units the ACL configurations not taking effected after reloaded the device |
| Condition | ACL configuration not taking effect once device reloaded |
| Workaround | Need to reapply the ACL configuration after reload |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | |

| Issue | FI-183556 |
|---|---|
| Symptom | Unable to ping VRRP VIP address |
| Condition | When ICX7750s in MCT/VRRPe mode, and if the client in the remote end tried to ping or traceroute to the VIP of the VRRPe, ping or traceroute will not successful. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ | |

| | |
|---|---|
| Technology Group | |

| | |
|---|---|
| Issue | **FI-181689** |
| Symptom | ICX switch may experience an unexpected reload when the user modifies the POE enabled Ethernet port parameters from WEB interface. |
| Condition | This issue is seen when PoE enabled port parameters are modified through the WEB interface. |
| Workaround | |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Management/Web Management |

# Closed with code changes in release 08.0.61b

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of 1-December-2017 in 08.0.61b.

| **Issue** | **FI-176026** |
|---|---|
| DefectID | |
| Symptom | SNMP opertaions to assign ports to vlan using below comamnds will reboot the device . <br> snmpset -v2c -c write 10.26.135.119 .1.3.6.1.2.1.17.7.1.4.3.1.1.123 s "VLAN123" .1.3.6.1.2.1.17.7.1.4.3.1.5.123 i 4 <br><br> snmpset -v2c -c write 10.26.135.119 .1.3.6.1.2.1.17.7.1.4.3.1.2.123 x 0x0040 |
| Condition | Issue is seen only when Customer  have SNMP configured and Assigning the ports to Vlan is done through SNMP set commands . |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Management - SNMP - Simple Network Management Protocol |

| Issue | **FI-176843** |
|---|---|
| DefectID | |
| Symptom | Unexpected reload of the Router |
| Condition | PC is behind IP Phone and Flex-Authentication Order is Mac-Authentication followed by Dot1x. Non-Dot1x Capable IP Phone has Mac-Authentication sessions for both Data and Voice-Vlan. Mac-Authentication for PC is Failed and Dot1x Authentication is Succeeded with Dynamic Vlan. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.40 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

| Issue | **FI-179302** |
|---|---|
| DefectID | |
| Symptom | SSH to the Router is not allowed on a IPV6 loopback address . |
| Condition | SSH will not work on IPV6 Loopback address when configured with /128 mask that matches with the subnet-router anycast address . |
| Workaround | NA |
| Recovery | NA |
| Probability | High |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Management - SSH2 & SCP - Secure Shell & Copy |

| Issue | **FI-177681** |
|---|---|
| DefectID | |
| Symptom | Connectivity issues when urpf is enabled globally . |
| Condition | The issue is observed when urpf is enabled globally and if there are VE's with multiple IP's configured due to invalid next hop ref count calculation. |
| Workaround | No workaround |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ | Stacking - Traditional Stacking |

| Technology Group | |
|---|---|

| Issue | **FI-180326** |
|---|---|
| DefectID | |
| Symptom | SNMP walk of ifindex doesn't display loopback and tunnel interfaces . |
| Condition | Issue is seen Loopback and tunnel interfaces are configured . |
| Workaround | SNMP walk of ipAdEntifindex displays the loopback and tunnel interfaces . |
| Recovery | NA |
| Probability | High |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Management - SNMP - Simple Network Management Protocol |

| Issue | **FI-154966** |
|---|---|
| DefectID | DEFECT000636438 |
| Symptom | CDP response from the device does not carry Voice Vlan even after requesting Voice VLAN from the other end. |
| Condition | 1. Configure CDP and Voice VLAN on the Brocade device<br>2. Send CDP response. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Management - CDP - Cisco Discovery Protocol |

| Issue | **FI-175756** |
|---|---|
| DefectID | |
| Symptom | Icmp unreachable packets are transmitted even when "no ip icmp-unreachable " command is configured . |
| Condition | Cli Command "no ip icmp-unreachable " should be enabled . |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Layer 3 Routing/Network Layer - ICMP - Internet Control Message Protocol |

| Issue | FI-178348 |
|---|---|
| DefectID | |
| Symptom | When community string more than 32 characters is configured, the device unexpectedly reloads |
| Condition | Configure "snmp-server host x.x.x.x version v2c [community]" cli command with community string more than 32 characters |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.40 |
| Technology/ Technology Group | Management - SNMP - Simple Network Management Protocol |

| Issue | FI-175966 |
|---|---|
| DefectID | |
| Symptom | The "gig-default auto-gig" and "gig-default neg-off" configuration not work on 10G ports with 1G SFP inserted |
| Condition | The "gig-default auto-gig" and "gig-default neg-off" not supported on 10G port with 1G SFP inserted |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | System - Optics |

| Issue | FI-177244 |
|---|---|
| DefectID | |
| Symptom | Client never moves to Restricted Vlan after failing Mac-Authentication and then not responding to Dot1x |
| Condition | Authentication Order is Mac-Authentication followed by Dot1x. Mac-Authentication for the Client fails and it is Dot1x non-Capable. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

| Issue | **FI-169097** |
|---|---|
| DefectID | |
| Symptom | In ICX devices, GRE keepalive tunnel doesn't come up after the intermediate device link went down. |
| Condition | In ICX devices, GRE keepalive tunnel is configured and working properly. After sometime when an intermediate device link went down causes the GRE keepalive down due to keepalive packets not flowing. |
| Workaround | None |
| Recovery | GRE keepalive tunnel can be recovered by manually disable and enable the GRE tunnel |
| Probability | Medium |
| Found In | FI 08.0.60 |
| Technology/ Technology Group | Layer 3 Routing/Network Layer - GRE - Generic Routing Encapsulation |

| Issue | **FI-178710** |
|---|---|
| DefectID | |
| Symptom | Few supported optics are shown as not supported when invoking "show media validation" |
| Condition | Insert random optic into one of the ports Invoke "show media validation" |
| Workaround | NA |
| Recovery | NA |
| Probability | Medium |
| Found In | FI 08.0.60 |
| Technology/ Technology Group | System - Optics |

| Issue | **FI-179211** |
|---|---|
| DefectID | |
| Symptom | Web https session not working after deleting the certificate and importing the ssl certificate when https is enabled |
| Condition | web-https enabled, zeroise the certificates, import ssl certificate and try to connect to web https session, https session will fail. |
| Workaround | After ssl certificate import is successful, disable and re-enable the web-https configuration, https session connection will be successful. |
| Recovery | After ssl certificate import is successful, web https session works. |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ | Security - HTTP/HTTPS |

| Technology Group | |
|---|---|

| Issue | FI-177752 |
|---|---|
| DefectID | |
| Symptom | Mac Movement Notifications for Dot1x Group Mac Address 0180.c200.0003 |
| Condition | Dot1x is enabled on More than one Interface with no valid Dot1x users. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

| Issue | FI-179459 |
|---|---|
| DefectID | |
| Symptom | A successfully MAC-Authenticated client do not re-authenticate when RADIUS-server sends access-reject message during re-authentication. |
| Condition | MAC-authentication and 802.1x authentication are enabled for the interface with authentication-order configured as MAC-Authentication followed by 802.1x. Restricted-VLAN is configured and authentication failure action is configured as restricted-VLAN. A 802.1x unaware client is successfully MAC-Authenticated. During re-authentication, RADIUS-Server rejects the client. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.40 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

| Issue | FI-179477 |
|---|---|
| DefectID | |
| Symptom | Mac Authentication failure messages are getting printed in console for stack mac address. |
| Condition | The switch uses the stack MAC Address from the main unit for the mac authentication instead of end host mac. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

| Issue | FI-180118 |
|---|---|
| DefectID | |
| Symptom | Unexpected reload of stacking happens when stacking was enabled. |
| Condition | When the stacking was enabled, memory was corrupted which lead to multiple iterations of a while loop and triggered the watchdog timeout. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.30 |
| Technology/ Technology Group | Stacking - Traditional Stacking |

| Issue | FI-176267 |
|---|---|
| DefectID | |
| Symptom | The ICX device reloads unexpectedly |
| Condition | When policy based routing is configured, the ICX device reloads unexpectedly. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Policy Based Routing |

| Issue | **FI-157310** |
|---|---|
| DefectID | DEFECT000644342 |
| Symptom | The openflow response from ICX device has mismatched port id when compared to the request. |
| Condition | Openflow request is received by ICX to create port group. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.40 |
| Technology/ Technology Group | SDN - OpenFlow |

| Issue | **FI-181082** |
|---|---|
| DefectID | |
| Symptom | When 802.1x is enabled on the interface, broadcast ARP-Request from the client is not dropped. |
| Condition | 802.1x and MAC-Authentication are enabled on the interface in default authentication order. Authentication failure action is not configured. 802.1x failed for the client and then it succeeds. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.40 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

| Issue | **FI-175752** |
|---|---|
| DefectID | |
| Symptom | nslookup command execution on SSH terminal of ICX device fails. |
| Condition | ICX device is managed through SSH terminal. nslookup is used for resolving hostname. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Management - NTP - Network Time Protocol |

| Issue | FI-158421 |
|---|---|
| DefectID | |
| Symptom | In ICX 7150, LAG configuration is lost after a device reload |
| Condition | In ICX 7150, LAG is configured with 2 ports of licensing and non licensing. LAG configuration couldn' be applied in reload scenario due to speed mismatch |
| Workaround | Reconfigure the LAG |
| Recovery | Need to reconfigure the LAG |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Layer 2 - Link Aggregation |

| Issue | FI-176738 |
|---|---|
| DefectID | |
| Symptom | DHCP-Client ignores the DHCP-Offer from ICX devices. |
| Condition | ICX device is configured as DHCP-Server. DHCP-Client request IP-address by sending DHCP-Discover and DHCP-Request with broadcast flag unset. |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Layer 3 Routing/Network Layer - DHCP - Dynamic Host Configuration Protocol |

| Issue | FI-176155 |
|---|---|
| DefectID | |
| Symptom | show cpu task output "Appl" task always shows zero for SPATHA/SICA |
| Condition | "show cpu task" output |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Management - CLI - Command Line Interface |

# Closed with code changes in release 08.0.61a

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of 15-August-2017 in 08.0.61a.

| Issue | FI-158336 |
|---|---|
| DefectID | |
| Symptom | DHCP Snooping was unable to read lease time. |
| Condition | This issue is seen only if there are several options and option 51 is coming after around 64 bytes in the DHCP payload. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Security - Security Vulnerability |

| Issue | FI-158274 |
|---|---|
| DefectID | |
| Symptom | Micronode+ PD did not power up when connected to a device running 8061 code version. |
| Condition | The issue occurs with only with PDs having an inrush current of 9A/4pair or 4.5A/2pair. |
| Workaround | None. |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | System - System |

| Issue | FI-155715 |
|---|---|
| DefectID | DEFECT000644132 |
| Symptom | Re-authentication of MAC-Authentication or 802.1x authentication clients in restricted VLAN is not triggered. |
| Condition | MAC-Authentication and/or 802.1x are enabled on the interface. The authentication is failed for the clients connected to the port. The port is moved to restricted VLAN due to configuration. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.70 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

| Issue | FI-150495 |
|---|---|
| DefectID | DEFECT000647703 |
| Symptom | The 2.5G ports may exhibit CRC errors occasionally when running at 2.5G speed. The issue is very specific to the 2.5G ports operating at highest speed |
| Condition | None |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | System - System |

| Issue | FI-150265 |
|---|---|
| DefectID | DEFECT000646978 |
| Symptom | While using "40GE-BiDi 100m (QSFP+ LC)" optics on ICX 7450, the "show media validation" CLI shows that the optic is not supported. |
| Condition | Issue is seen when 'show media validation' CLI is executed. |
| Workaround | Not Applicable |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.60 |
| Technology/ Technology Group | |

| Issue | FI-150237 |
|---|---|
| DefectID | DEFECT000646945 |
| Symptom | When two clients are authenticated with dynamic ACL, ACL for second client is not programmed to hardware. |
| Condition | 802.1x/MAC-Authentication are enabled on the interface. Two clients are connected to the interface. Each client is authenticated with dynamic ACL from RADIUS. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.61 |
| Technology/ Technology Group | Security - 802.1x Port-based Authentication |

# Closed with code changes in release 08.0.61

This section lists software defects with Critical, High, and Medium Technical Severity closed with a code change as of 6-July-2017 in 08.0.61.

| Defect ID: | DEFECT000574969 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Stacking |
| Reported In Release: | FI 08.0.40 | Technology: | Traditional Stacking |
| Symptom: | If there are continuous traffic to L3 hosts connected on stack and ingress port is on standby or member units, then every one minute there will be 1 or 2 packets drop(depends on traffic rate) | | |
| Condition: | 1: There are continuous traffic to L3 hosts connected on Router stack. 2: Ingress port is on standby unit or member unit. 3: Traffic rate is around 5% or more. | | |

| Defect ID: | DEFECT000593233 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | Low |
| Product: | Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: | FI 08.0.60 | Technology: | NTP - Network Time Protocol |
| Symptom: | NTP Clock when receives with wrong reference clock from the server (CVE-2016-1551) | | |

| | |
|---|---|
| | NTP packet when received with origin timestamps, leads to NTP associations are demobilized (CVE-2016-4953, CVE-2015-8139)<br>ICX device sometimes leads to crash, when crafted packet received with hmode > 7 in peer association(CVE-2016-2518)<br>Spoofed crypto packet sometimes, demobilize the NTP client associations (CVE-2016-1547). |
| **Condition:** | Patch for vulnerability issues :<br>1. CVE-2016-1551<br>2. CVE-2016-4953, CVE-2015-8139<br>3. CVE-2016-2518<br>4. CVE-2016-1547 |
| **Recovery:** | User can re-configure a new NTP server in ICX |

| **Defect ID:** | DEFECT000597195 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.30 | **Technology:** | RIP - IPv4 Routing Information Protocol |
| **Symptom:** | No, big impact to the customer. More control packets are trapped to the CPU even when the associated VE Router interface is deleted or IP address is un-configured. | | |
| **Condition:** None. | | | |

| **Defect ID:** | DEFECT000599682 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.60 | **Technology:** | 802.1x Port-based Authentication |
| **Symptom:** | Windows PC does not get 802.1x authenticated when FI device has auth-timeout action configured as success and RADIUS tines-out. . | | |
| **Condition:** | 802.1x is enabled on an interface connected to Windows PC supplicant and the auth-timeout action is configured as success. | | |

| **Defect ID:** | DEFECT000607508 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** | ACLs - Access Control Lists |
| **Symptom:** | ACL's are not effective for PE ports immediately after the system reload and also a specific PE reload. | | |

| Condition: | 1) Scaled IPv4 ACLs should present i.e. each ACL should have at least 900 filters or more. |
| --- | --- |
| | 2) Large ACL should be applied on port. |
| Workaround: | If configuration contains large ACL definitions and if they are not used remove them. |
| Recovery: | System auto recovers after certain time depending on the number of ACL rules configured. And the maximum noticed time is about ~13 minutes. |

| Defect ID: | DEFECT000610871 | | |
| --- | --- | --- | --- |
| Technical Severity: | High | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | Layer 3 Routing/Network Layer |
| Reported In Release: | FI 08.0.50 | Technology: | DHCP - Dynamic Host Configuration Protocol |
| Symptom: | Few entries are not getting updated in v6 snooping table but v6 sessions are bound. | | |
| Condition: | When there are 10 DHCP hosts and v6 snooping tables are not updated. | | |

| Defect ID: | DEFECT000612108 | | |
| --- | --- | --- | --- |
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: | FI 08.0.50 | Technology: | PoE/PoE+ - Power over Ethernet |
| Symptom: | 'show inline power emesg' displays only local unit events. | | |
| Condition: | Remote unit poe events cannot be displayed from Active Unit of stack system using 'show inline power emesg' | | |
| Workaround: | Do a rconsole to remote unit or connect to remote unit console to get the poe events displayed for that remote unit. | | |
| Recovery: | | | |

| Defect ID: | DEFECT000613148 | | |
| --- | --- | --- | --- |
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: | FI 08.0.50 | Technology: | SNMP - Simple Network Management Protocol |
| Symptom: | SNMPv3 traps are not generated after switchover or failover during ISSU. | | |
| Condition: | Upon switchover or failover during ISSU SNMPv3 traps are not seen. | | |
| Recovery: | There are 2 ways to recover from this issue: 1. Restart the SNMP trap receiver. 2. Disable checking "time window" for SNMPv3, if the trap receiver tool supports it. | | |

| **Defect ID:** | DEFECT000616647 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** IP Source Guard |
| **Symptom:** Removing a vlan using command 'no vlan <ID>' is leading to stale IPSG entries (IPSG entries on a given vlan are removed when the VLAN is deleted). | | |
| **Condition:** IP Source-guard is enabled on member ports of a VE port.<br>User VRF is enabled on the VE port.<br>VLAN (corresponding to the VE port) is deleted using 'no vlan <ID>' | | |
| **Workaround:** Remove the VRF setting from VE<br>Remove the config on VE interface (no int ve)<br>Remove the vlan (no vlan <ID>)<br><br>Give a few seconds (around 20 seconds) time gap between executing two commands. | | |

| **Defect ID:** | DEFECT000617855 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** Low |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.50 | **Technology:** Static Routing (IPv4) |
| **Symptom:** When maximum (2K) IPv4 Static Routes are configured on a scaled SPX-System, High CPU might be experienced for some period. | | |
| **Condition:** When the customer reports High CPU/sluggish CLI on a SPX-System after creation of around 2K static routes. | | |

| **Defect ID:** | DEFECT000619315 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** 802.1x Port-based Authentication |
| **Symptom:** Using 'no authentication' leaves a port in dynamic VLAN | | |
| **Condition:** A Client is authenticated and port is dynamically added to a VLAN. Now if all Flexible authentication are removed using 'no authentication', port is not removed from the Dynamic VLAN, even though session for the client is removed. | | |

| Defect ID: | DEFECT000619420 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** | 802.1x Port-based Authentication |
| **Symptom:** | Users' counts is not not in sync after switch-over | | |
| **Condition:** | 1)Bring up 1020 dot1x sessions on a PE port<br>2)Issue "show dot1x sess br"<br>3)Execute a switch-over and issue command from step 2 again on new Active<br><br>However, the output from step-3 is not in sync output from step-2 | | |
| **Workaround:** | No workaround | | |

| Defect ID: | DEFECT000620652 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** | 802.1x Port-based Authentication |
| **Symptom:** | Users fail to authenticate when STP is enabled on dynamic VLAN | | |
| **Condition:** | User is trying to authenticate using dot1x and Radius server provides dynamic VLAN as part of AAA-ACCEPT message.<br><br>If the Dynamic VLAN has STP enabled, then the User fails to authenticate | | |
| **Workaround:** | Works with RSTP and issue is seen only with STP (legacy) | | |

| Defect ID: | DEFECT000623517 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Stacking |
| **Reported In Release:** | FI 08.0.50 | **Technology:** | Mixed Stacking |
| **Symptom:** | Error message - "Invalid device number for ACL stacking buffer" seen along with stack trace | | |
| **Condition:** | Seen under certain conditions during a SPX Reload and DOS Attack configuration | | |

| Defect ID: | DEFECT000623569 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |

| Product: | Brocade FastIron OS | Technology Group: | Security |
|---|---|---|---|
| Reported In Release: | FI 08.0.50 | Technology: | MAC Port-based Authentication |
| Symptom: | A Webauth Client gets Authenticated without a RADIUS returned ACL attribute, and then a second client gets authenticated with RADIUS returned ACL. At this time, first user's Session gets removed and needs to be authenticated again. | | |
| Condition: | One or more users get authenticated without an ACL attribute in the radius profile followed by a user with ACL attribute. | | |
| Recovery: | Authenticate the first user again | | |

| Defect ID: | DEFECT000624291 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | Monitoring |
| Reported In Release: | FI 08.0.60 | Technology: | Hardware Monitoring |
| Symptom: | On ICX7150 unit when the 1G access port is disabled and enabled then the adjacent next port drops the traffic for a very short time duration around 20 milli-seconds. The traffic resumes after that short time | | |
| Condition: | The issue happens on ICX7150 units 1G access port when it is disabled and enabled then the adjacent next port encounters this issue | | |

| Defect ID: | DEFECT000624655 | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: | FI 08.0.40 | Technology: | CLI - Command Line Interface |
| Symptom: | Loss of text in the output of commands executed from telnet terminal. | | |
| Condition: | When the ICX is accessed via its telnet server and then its telnet client is used to connect to another device, loss of text can be observed in the output of commands run on that other device. | | |

| Defect ID: | DEFECT000626010 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | Low |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.60 | Technology: | ACLs - Access Control Lists |
| Symptom: | ACL entries are missed upon reload with the error : | | |

| | |
|---|---|
| | Error: ACL operation failed since filter id exceeds allowed maximum.Please try regenerate-seq-num. |
| **Condition:** | Running regenerate sequence number command with a gap value less than default which can result in sequence numbers exceeding the maximum value if the gap value were to default. Here is an example: ACL_1: sequence 10 permit x.x.x.x any permit y.y.y.y any permit z.z.z.z any <br><br> Regenerate sequence number: regenerate-sequence-number 64995 1 <br><br> ACL_1: 64995: permit x.x.x.x any 64996: permit y.y.y.y any 64997: permit z.z.z.z any <br><br> The above ACL_1 on reload will result in not adding filter number 2 and 3 since first filter starts with sequence number 64995 and adding the default gap(10) results in sequence number 65005 which is greater than the maximum allowed value. |
| **Workaround:** | When specifying the gap value smaller than default ensure the resultant sequence numbers would still fit if the gap value were to be default value. |

| **Defect ID:** | DEFECT000626028 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** | 802.1x Port-based Authentication |
| **Symptom:** | Stack traces and error messages seen on Active and Standby Units | | |
| **Condition:** | While executing CLI command "no mac-auth enable all" | | |
| **Workaround:** | No workaround | | |

| **Defect ID:** | DEFECT000626459 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.60 | **Technology:** | MAC Port-based Authentication |
| **Symptom:** | Flexauth port stays in dynamic VLAN after disabling MAC authentication | | |
| **Condition:** | After successful mac-authentication is done, disable mac-authentication from the port | | |
| **Workaround:** | Reload the device to effect the change after doing a "wr mem" | | |

| Recovery: Reload the device to effect the change after doing a "wr mem" |
|---|

| Defect ID: | DEFECT000626847 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** Stacking |
| **Reported In Release:** | FI 08.0.60 | **Technology:** Mixed Stacking |
| **Symptom:** In the scaled campus fabric setup, sometime show command output for Flexible authentication feature is not complete and have only partial output . Also CLI response slowness is observed during the command execution. | | |
| **Condition:** The partial command output and CLI response slowness is observed only with the scaled campus fabric setup which has more than 4 control bridges and 30 port extender nodes. | | |
| **Workaround:** Retry the flexible authentication show command when output is partial. | | |

| Defect ID: | DEFECT000627372 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** | FI 08.0.50 | **Technology:** VLAN - Virtual LAN |
| **Symptom:** SPX PE port is assigned to dynamic VLAN even when it is not supposed to be assigned | | |
| **Condition:** Observed when 'max-vlans' under port has reached the configured limit before authentication | | |

| Defect ID: | DEFECT000627486 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** RADIUS |
| **Symptom:** Sometimes, even when a RADIUS server is available, the dead-RADIUS server logic may detect the server unavailable and subsequent authentication requests could time out and the timeout action is taken. | | |
| **Condition:** None | | |
| **Workaround:** Remove the RADIUS server and add it back again. | | |

| Defect ID: | DEFECT000627499 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |

| Product: Brocade FastIron OS | Technology Group: | Monitoring |
|---|---|---|
| Reported In Release: | FI 08.0.40 | Technology: Hardware Monitoring | |
| Symptom: On ICX7450 and ICX7250 running system when the USB drive is inserted then sometimes the USB file system does not get mounted and the files are not accessible | | |
| Condition: This issue happens on ICX7450 and ICX7250 when USB drive is inserted in a running system | | |
| Workaround: After reload the USB drive is mounted correctly and files are visible after that | | |
| Recovery: This works fine after switch reload | | |

| Defect ID: DEFECT000628361 | | |
|---|---|---|
| Technical Severity: | High | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: | IP Multicast |
| Reported In Release: | FI 08.0.60 | Technology: MLD - Multicast Listener Discovery |
| Symptom: Some of the well-known IPv6 multicast addresses like ff05::1:3 are being mld-snooped. It applies to both dynamic as well as static entry creation. | | |
| Condition: Customer may observe mld-snooping on some well-known IPv6 multicast addresses. | | |

| Defect ID: DEFECT000630003 | | |
|---|---|---|
| Technical Severity: | High | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: | FI 08.0.60 | Technology: UDLD - Uni-Directional Link Detection |
| Symptom: UDLD enabled ports moving to link disabled state with stack unit priority change followed by switchover. | | |
| Condition: If an older standby is selected as standby again (due to a priority change for the stacking member) then the UDLD enabled ports go to Link disabled state after switchover. | | |

| Defect ID: DEFECT000630173 | | |
|---|---|---|
| Technical Severity: | High | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: | Security |

| Reported In Release: | FI 08.0.60 | Technology: ACLs - Access Control Lists |
|---|---|---|
| **Symptom:** | When MLD snooping is enabled with VLAN range command with continuous traffic through an ICX device high CPU condition will happen. | |
| **Condition:** | 1) At least 100 VLANs with range command is configured with MLD snooping. 2) Per VLAN 18 multicast flows are present. 3) IPv6 ACL is present on the port | |
| **Recovery:** | Unbind and bind the ACL on the port. | |

| Defect ID: | DEFECT000630312 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.30 | **Technology:** | DHCP - Dynamic Host Configuration Protocol |
| **Symptom:** | DHCP Client is wrongly configured with ip-address 0.0.0.0 | | |
| **Condition:** | When management interface is Up, DHCP Client receives address 0.0.0.0. Works fine, when management interface is disabled | | |

| Defect ID: | DEFECT000630434 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Stacking |
| **Reported In Release:** | FI 08.0.61 | **Technology:** Traditional Stacking |

**Symptom:** status of some units in linear stack shows: Synchronizing (st=8)

Enter command "show stack", the stack info would shows like:

[mailto:[STBY]local-3@ICX7150-C12](mailto:[STBY]local-3@ICX7150-C12) Router#show stack
T=1h16m59.7: alone: standalone, D: dynamic cfg, S: static
ID  Type       Role    Mac Address   Pri State   Comment
1  S ICX7150-24   member  00e0.5200.0100   0 remote  Synchronizing (st=8)
2  S ICX7150-48P   member  748e.f882.e418   0 remote  Synchronizing (st=8)
3  S ICX7150-C12P  standby cc4e.2408.d465   0 local   Ready
4  S ICX7150-24P   active  cc4e.24b4.729c   0 remote  Ready

```
            active      standby
      +---+      +---+      +---+      +---+
      | 2 |3/3--3/1| 4 |3/3--3/1| 3 |3/2--3/1| 1 |
      +---+      +---+      +---+      +---+
```

**Condition:** 1, linear stacking
2. the beginning/end unit of the stack has only one stacking port configured.

**Workaround:** configure with both stacking ports in each unit. "write mem" and "reload" may be needed.

**Recovery:** configure with both stacking ports in each unit. "write mem" and "reload" may be needed.

<br>

| Defect ID: | DEFECT000630511 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.30 | **Technology:** AAA - Authentication, Authorization, and Accounting |

**Symptom:** AAA for SSH login does not fail-over to local account when TACACS+ key mismatched between FI and the tacacs server

**Condition:** When FI device is configured with both local and TACACS+ authentication. TACACS+ key mismatch happens.

**Workaround:** NO

<br>

| Defect ID: | DEFECT000630684 |
|---|---|

| Technical Severity: | High | Probability: | Medium |
|---|---|---|---|
| Product: | Brocade FastIron OS | Technology Group: | Layer 3 Routing/Network Layer |
| Reported In Release: | FI 08.0.30 | Technology: | OSPF - IPv4 Open Shortest Path First |
| Symptom: | OSPF Router LSAs are present in incorrect areas, where the links don't exist. | | |
| Condition: | Router LSA for an interface configured under Area 1. | | |

| Defect ID: | DEFECT000630960 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.30 | Technology: | DoS (Denial of Service) protection |
| Symptom: | Traffic leak might be observed on ICX7x devices, if an interface port security is enabled with age 0. | | |
| Condition: | On FI 7X platforms,<br>1. Enable Port security on an interface with age 0<br>2. Configure Secured macs<br>3. Tag multiple ports to same vlan. | | |

| Defect ID: | DEFECT000631080 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | Stacking |
| Reported In Release: | FI 08.0.60 | Technology: | Mixed Stacking |
| Symptom: | On ICX7250 when the switch is upgraded from 8.0.50 or earlier release to 8.0.60 release image then in some of the cases the existing POD license file gets deleted. This is a very corner case and happens only in some units | | |
| Condition: | This happens on ICX7250 switch when it is upgraded from 8.0.50 or earlier release to 8.0.60 release image then this issue is observed in some units | | |

| Defect ID: | DEFECT000631474 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: | FI 08.0.61 | Technology: | PoE/PoE+ - Power over Ethernet |
| Symptom: | Unexpected reset seen on active unit of a stack during a reload of PE | | |

| **Condition:** PE Reload |
|---|

| **Defect ID:** | DEFECT000631665 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Stacking |
| **Reported In Release:** | FI 08.0.60 | **Technology:** Stack Failover/Switchover |
| **Symptom:** Residual entries in Member unit TCAM which could potentially impact traffic through this unit | | |
| **Condition:** Observed after an ISSU upgrade to a newer image | | |

| **Defect ID:** | DEFECT000632033 | |
|---|---|---|
| **Technical Severity:** | Low | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Monitoring |
| **Reported In Release:** | FI 08.0.30 | **Technology:** Port Mirroring |
| **Symptom:** Even if the size limit in "debug packet-capture mode pcap-fmt <limit>" is greater than 60 bytes, captures of outgoing packets are still limited to 60 bytes. | | |
| **Condition:** When "debug packet-capture mode pcap-fmt <limit>" is limit to 60 bytes. | | |

| **Defect ID:** | DEFECT000632408 | |
|---|---|---|
| **Technical Severity:** | Low | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Monitoring |
| **Reported In Release:** | FI 08.0.40 | **Technology:** Port Mirroring |
| **Symptom:** The output of "debug packet-capture mode pcap-fmt" is corrupted. Specifically, a timestamp appears before every single packet byte. | | |
| **Condition:** In debug packet mode, select pacap-fmt mode and set limit for it (1-65535). Then while we capturing packets, we can see every byte is getting timestamp in output. | | |

| **Defect ID:** | DEFECT000632465 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.30 | **Technology:** OSPF - IPv4 Open Shortest Path First |

| Symptom: | OSPF intra-routes are not installed in IP routing table when intra-area routes and area range configuration in the ospf area are for same IP Prefix. |
|---|---|
| Condition: | IP Unicast traffic loss as IP route points to drop next-hop |
| Workaround: | Remove & add the area range configuration. |

| Defect ID: | DEFECT000632718 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** | 802.1x Port-based Authentication |
| **Symptom:** | An unauthenticated entry is created along with an authenticated entry for same mac-auth user | | |
| **Condition:** | When the user tries to do mac-authetication | | |

| Defect ID: | DEFECT000632719 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** | 802.1x Port-based Authentication |
| **Symptom:** | Residual Filter entry in TCAM corresponding to a mac-authenticated user | | |
| **Condition:** | After clearing the session for user who is authenticated using mac-authentication. This is observed in scaled setup. | | |

| Defect ID: | DEFECT000632720 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.50 | **Technology:** | MAC Port-based Authentication |
| **Symptom:** | Radius server Timeout is observed | | |
| **Condition:** | When user is trying to do authentication using mac-auth | | |

| Defect ID: | DEFECT000632888 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Management |
| **Reported In Release:** | FI 08.0.60 | **Technology:** | Software Installation & Upgrade |

| Symptom: | Boot Configuration - "boot system flash secondary" config is not synced to standby unit |
|---|---|
| Condition: | The issue is seen upon a ISSU upgrade, when a ISSU Secondary is executed |
| Workaround: | Manually configure "boot system flash secondary" in the secondary |

| Defect ID: | DEFECT000633181 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.60 | Technology: | IP Source Guard |
| Symptom: | IPSG residual entries remain in tables after removing the VLAN of which the LAG interface is a member | | |
| Condition: | Seen in Switch image. IPSG is enabled on primary port of a LAG and the ports are part of a vlan. DHCP snooping/IPSG entries are learnt on the primary port of LAG. Vlan is removed | | |
| Workaround: | Clear the IPSG entries or unconfigure IPSG config on the primary port, before removing the vlan | | |

| Defect ID: | DEFECT000633185 | | |
|---|---|---|---|
| Technical Severity: | Critical | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | IP Multicast |
| Reported In Release: | FI 08.0.61 | Technology: | IGMP - Internet Group Management Protocol |
| Symptom: | ICX7xxx would sometime reset upon doing a switchover. | | |
| Condition: | - ICX7xxx product running switch image<br>- Switchover and failover operation on stack<br>- IGMP configured on the vlan | | |
| Workaround: | no work around available | | |
| Recovery: | no recovery plan available. | | |

| Defect ID: | DEFECT000633402 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.30 | Technology: | AAA - Authentication, Authorization, and Accounting |
| Symptom: | Authorization and accounting fail-over to the next method fails, when authenticated via fail-over action in key mismatching scenario between server and device. | | |
| Condition: | SSH authorization and accounting fails with key mismatch. | | |

| Defect ID: | DEFECT000633563 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** | FI 08.0.30 | **Technology:** QnQ - IEEE 802.1Q |
| **Symptom:** When VLAN bridging is configured, the unicast pacekts destined to the management VLAN via non-management VLAN port is dropped. | | |
| **Condition:** When loopback cable is connected between management VLAN and non-management VLAN, the unicast packets destined to the management VLAN via non-management VLAN port is dropped. | | |

| Defect ID: | DEFECT000634055 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Stacking |
| **Reported In Release:** | FI 08.0.60 | **Technology:** Mixed Stacking |
| **Symptom:** In the scaled campus fabric topology, some times ACL rules are missing in some of the port extenders after repeated reload of entire stack. | | |
| **Condition:** ACL rules are missing in some of the port extenders with repeated entire stack reload is observed only with the scaled campus fabric topology which has more than 4 control bridges and 36 port extender nodes. | | |

| Defect ID: | DEFECT000634334 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** | FI 08.0.30 | **Technology:** LAG - Link Aggregation Group |
| **Symptom:** LACP flap might be observed when range of interface is disabled. | | |
| **Condition:** 1. Configure lacp-timeout-short. 2. Configure MCT. 3. Disable a range of 48 interfaces. | | |

| Defect ID: | DEFECT000634343 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Stacking |
| **Reported In Release:** | FI 08.0.60 | **Technology:** Mixed Stacking |
| **Symptom:** in SPX chain when one ICX7450-32ZP Port Extender switch using 2.5G port connects to another ICX7450 port extender switch using its 1G port then the port extender switch does not join the SPX setup. | | |
| **Condition:** This issue happens when ICX7450-32ZP 2.5G port is connected to ICX7450 1G port in the SPX chain | | |

| Defect ID: | DEFECT000634354 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Monitoring |
| **Reported In Release:** | FI 08.0.60 | **Technology:** Hardware Monitoring |
| **Symptom:** In the ICX7250 switch when the 10G SFP+ optics is inserted to module 2 ports then sometime the error message is seen on output. | | |
| **Condition:** The issue is seen when 10G SFP+ is inserted in ICX7250 switch module 2 ports at run time. | | |

| Defect ID: | DEFECT000634418 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.30 | **Technology:** IP Addressing |
| **Symptom:** On Fast Iron platforms, Directed broadcast/WOL packets might not work when using VRF | | |
| **Condition:** On ICX devices, when VRF is part of two VEs, then with intervlan routing WOL/directed broadcast packets will not be received. | | |

| Defect ID: | DEFECT000634552 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Stacking |
| **Reported In Release:** | FI 08.0.60 | **Technology:** Mixed Stacking |

| Symptom: | After failover, PE can not attach to CB. |
|---|---|
| Condition: | PE attached to failover unit can not re-attach after switchover and Failover. |
| Recovery: | Reload whole SPX |

| Defect ID: | DEFECT000634632 | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: | Low |
| Product: | Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: | FI 08.0.30 | Technology: | xSTP - Spanning Tree Protocols |
| Symptom: | MSTP BPDU's might not be forwarded after enabling loop-detection in the default VLAN. | | |
| Condition: | 1.Configure the port connected to third party vendor switch as dual-mode port and enable MSTP. 2. Disable MSTP on the ICX7250 Brocade switch. 3. Enable loop-detection in default VLAN of ICX7250 . 4. MSTP BPDU packets might be dropped. | | |

| Defect ID: | DEFECT000634706 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Stacking |
| Reported In Release: | FI 08.0.61 | Technology: | Mixed Stacking |
| Symptom: | In SPX setup PE detaches every 40 minutes and connects back when ACL logging is configured on PE interfaces with continuous logging traffic. | | |
| Condition: | 1) ACL logging is enabled on PE interface(s) with active ACL binding. 2) Traffic matching the logging criteria is continuous and at least 5000 packets/sec. | | |
| Workaround: | 1) Disable ACL logging when not in use. 2) Limit/apply rate limiting for the logging traffic below 4k packets/sec to make room to the LLDP keep alive packets and other control packets which can compete with logging packets. | | |

| Defect ID: | DEFECT000634739 | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: | FI 08.0.30 | Technology: | xSTP - Spanning Tree Protocols |
| Symptom: | Seeing error state "vlan_set_l2intf_stp_state(vlan_idx=1,pport=1/1/1,state=UNKNOWN,T=1097) stg_id=5, get GALNET_STP_DISABLED & ERROR STATE" on STBY unit after | | |

| **Condition:** downgrade from 8060 to 8030m |
|---|
| **Workaround:** No workaround |
| **Recovery:** No functional issue if no switchover is triggered after downgrade. |

| **Defect ID:** DEFECT000634937 | |
|---|---|
| **Technical Severity:** Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** SDN |
| **Reported In Release:** FI 08.0.40 | **Technology:** OpenFlow |
| **Symptom:** When greater than 100 Openflow flows in the system, if controller deletes flows beyond the 100, there is a TCAM leak. | |
| **Condition:** 1) Total flow count should be >100<br>2) Delete the flows beyond the first 100. | |
| **Recovery:** Use "clear openflow all" command to cleanup the stale TCAM entries. | |

| **Defect ID:** DEFECT000635080 | |
|---|---|
| **Technical Severity:** Critical | **Probability:** Low |
| **Product:** Brocade FastIron OS | **Technology Group:** Management |
| **Reported In Release:** FI 08.0.61 | **Technology:** CLI - Command Line Interface |
| **Symptom:** ICX may unexpectedly reload, when CLI command with more than 256 characters is executed on the terminal [Console or TELNET or SSH] | |
| **Condition:** When executing CLI command with more than 256 characters in a Console or TELNET or SSH session. | |
| **Workaround:** Avoid CLI commands of size 256 characters or above. | |

| **Defect ID:** DEFECT000635492 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** FI 08.0.50 | **Technology:** LAG - Link Aggregation Group |
| **Symptom:** ICX7450 goes for unexpected reload. | |
| **Condition:** In ICX7450, when a port is configured as dual-mode and connected to the Aerohive AP, the switch goes for reload in every few minutes. | |

| Defect ID: | DEFECT000635671 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Layer 2 Switching |
| **Reported In Release:** | FI 08.0.30 | **Technology:** | MCT - Multi-Chassis Trunking |
| **Symptom:** | In ICX7750-26Q unit when the 40G Breakout command is configured then some of the port's MAC address assigned is same as the others | | |
| **Condition:** | The issue happens on ICX7750-26Q unit when the Breakout is configured through command line | | |

| Defect ID: | DEFECT000635709 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Stacking |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | Stack Management |
| **Symptom:** | The system resets with a stack trace showing rel_ipc_receive_msg_callback() | | |
| **Condition:** | When the reliable IPC receives a reset signal (TCP reset), a pointer may be set to NULL before accessing it. This causes crash. The reliable receives reset only when it tries to reconnect a broken session. | | |
| **Workaround:** | There is no workaround. When this happens, the unit reloads. | | |
| **Recovery:** | The unit reloads. | | |

| Defect ID: | DEFECT000635787 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Stacking |
| **Reported In Release:** | FI 08.0.60 | **Technology:** | Traditional Stacking |
| **Symptom:** | The ICX 7150 may becomes a member when downgrading to 8.0.60 from 8.0.61. However, release 8.0.60 does not support ICX7150 stacking. Therefore, it gets stuck, and cannot be converted back to standalone mode. | | |
| **Condition:** | The described problem happens when downgrading to 8.0.60. The fix in 8.0.61 is to prevent future release downgrade to 8.0.61. The bug can only be fixed in 8.0.60 patch. It cannot be fixed in 8.0.61. | | |
| **Workaround:** | There is no workaround. Most stacking CLIs are blocked for ICX7150 in 8.0.60. The ICX7150 must run 8.0.61, do "stack unconfigure me" and become a standalone. Then, it can run 8.0.60. | | |

| Recovery: | Must reload the unit using 8.0.61 image. Then, when it boots up as a member, type "stack unconfigure me" to remove the stacking related flash. It becomes a standalone. Then it can reload with 8.0.60 image. |
|---|---|

| Defect ID: | DEFECT000635966 | | |
|---|---|---|---|
| **Technical Severity:** | Critical | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Management |
| **Reported In Release:** | FI 08.0.40 | **Technology:** | PoE/PoE+ - Power over Ethernet |
| **Symptom:** | Unexpected reload when installing an unsupported PoE firmware file. | | |
| **Condition:** | PoE Firmware download | | |

| Defect ID: | DEFECT000636212 | | |
|---|---|---|---|
| **Technical Severity:** | Critical | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Stacking |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | Stack Management |
| **Symptom:** | The system resets with a stack trace showing rel_ipc_receive_msg_callback() | | |
| **Condition:** | When the reliable IPC receives a reset message from its peer, it sets a pointer NULL before accessing it. This causes the unit to reload. The reliable IPC rarely receives reset signal. It happens only when reliable IPC tries to reconnect a broken session due to some error. | | |
| **Workaround:** | No workaround is available. The unit reloads. | | |
| **Recovery:** | The units reloads. | | |

| Defect ID: | DEFECT000636385 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | IP Multicast |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | IPv4 Multicast Routing |
| **Symptom:** | L3 IP Multicast forwarding entries (routes) are not getting programmed causing traffic drop. | | |
| **Condition:** | Applicable to all ICX7xxx products, when ospf flaps on a PIM Router where the route to source/RP are same. This issue is seen when the LHR is loosing the route to source and relearning the route again. The upstream router to RP and source is same. In such a scenario the LHR generates  (s,g) join (*,g) join with (s,g, rpt) prune and also (s,g) prune which is incorrect. In working condition the LHR should never generate the (s,g) prune when the route is learnt. | | |

| **Workaround:** no workaroud |
|---|
| **Recovery:** clear ip pim mcache on both router |

| **Defect ID:** DEFECT000636592 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Traffic Management |
| **Reported In Release:** FI 08.0.61 | **Technology:** Rate Limiting and Shaping |
| **Symptom:** BUM syslog notification is not generated when configured BUM rate-limit is higher than BUM packet receiving rate on the port. | |
| **Condition:** BUM syslog notification feature is enabled on the interface. BUM traffic is received at higher rate than configured rate-limit. | |

| **Defect ID:** DEFECT000636620 | |
|---|---|
| **Technical Severity:** High | **Probability:** Low |
| **Product:** Brocade FastIron OS | **Technology Group:** IP Multicast |
| **Reported In Release:** FI 08.0.61 | **Technology:** IPv6 Multicast Routing |
| **Symptom:** Rarely when L3 multicast flow getting learnt system will reset. | |
| **Condition:** Applicable to all ICX7xxx products, with L3 Multicast configuration and continuous traffic. Problem is seen during system reload. | |
| **Workaround:** No workaround | |
| **Recovery:** No workaround | |

| **Defect ID:** DEFECT000636643 | |
|---|---|
| **Technical Severity:** Medium | **Probability:** Medium |
| **Product:** Brocade FastIron OS | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** FI 08.0.30 | **Technology:** MCT - Multi-Chassis Trunking |
| **Symptom:** In MCT setup if a port is configured as MCT client first and then LACP is configured on the port ,the client Lag port will be shown as Err/Blocked. | |
| **Condition:** MCT Cluster with a LACP Client . | |
| **Recovery:** On MCT cluster device configure client port as part of LACP first and then configure the same as MCT client . | |

| **Defect ID:** DEFECT000636714 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |

| Product: Brocade FastIron OS | Technology Group: | Security |
|---|---|---|
| Reported In Release: FI 08.0.50 | Technology: 802.1x Port-based Authentication | |
| Symptom: Authentication fails when users connect on a port that is enabled after disabling | | |
| Condition: Disabling the port and re-enabling the port results in this issue. | | |

| Defect ID: DEFECT000636715 | | |
|---|---|---|
| Technical Severity: High | Probability: High | |
| Product: Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: FI 08.0.50 | Technology: 802.1x Port-based Authentication | |
| Symptom: In stacking or SPX system, MAC movement across ports on remote unit is not working | | |
| Condition: An Authenticated User moving across Ports on a remote unit | | |

| Defect ID: DEFECT000636754 | | |
|---|---|---|
| Technical Severity: Medium | Probability: High | |
| Product: Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: FI 08.0.61 | Technology: xSTP - Spanning Tree Protocols | |
| Symptom: ERROR!!! rstp_port_class is NULL, this_stp=0, on console | | |
| Condition: When enable or disable stacking | | |
| Workaround: There is no work around | | |
| Recovery: Reload the system | | |

| Defect ID: DEFECT000636776 | | |
|---|---|---|
| Technical Severity: Medium | Probability: Medium | |
| Product: Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: FI 08.0.30 | Technology: HTTP/HTTPS | |
| Symptom: Certificate generation with private key file of size 4096 bits is unsuccessful with error "Cert import failed....Could not parse the PEM-encoded import data". | | |
| Condition: Attempt to generate certificate with size 4096 bits key. | | |

| Defect ID: DEFECT000636821 | | |
|---|---|---|
| Technical Severity: Medium | Probability: Medium | |

| Product: Brocade FastIron OS | Technology Group: | Layer 2 Switching |
|---|---|---|
| Reported In Release: FI 08.0.30 | Technology: xSTP - Spanning Tree Protocols | |
| Symptom: Though the MAC authentication gets succeeded, MAC learning will not happen on auth-default-vlan. | | |
| Condition: 1. Enable both MSTP and MAC Authentication on an edge port <br> 2. MAC authentication Succeeds. | | |

| Defect ID: DEFECT000636903 | | |
|---|---|---|
| Technical Severity: High | Probability: High | |
| Product: Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: FI 08.0.61 | Technology: CLI - Command Line Interface | |
| Symptom: ICX unexpectedly reloads when authenticating [Console/Telnet/SSH] user credentials with Radius server. | | |
| Condition: ICX unexpectedly reloads when AAA method is set to Radius and user authentication is done using Radius server. | | |

| Defect ID: DEFECT000637202 | | |
|---|---|---|
| Technical Severity: High | Probability: High | |
| Product: Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: FI 08.0.40 | Technology: SNMP - Simple Network Management Protocol | |
| Symptom: Device might reload unexpectedly during snmpwalk/snmpbulkwalk. | | |
| Condition: 1.Load an image without .bin extension in image name <br> 2.Configure snmp-server community strings and enable the snmp-server <br> 3.Perform ISO snmpwalk/snmpbulkwalk on brcdSPXOperUnitBuildlVer / brcdSPXOperUnitImgVer | | |

| Defect ID: DEFECT000637334 | | |
|---|---|---|
| Technical Severity: High | Probability: High | |
| Product: Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: FI 08.0.61 | Technology: xSTP - Spanning Tree Protocols | |
| Symptom: Port State in "show interface" is wrong | | |
| Condition: The port is untagged, enable spanning tree on a VLAN which is the port's default VLAN. | | |
| Workaround: There is no work around. | | |

| **Recovery:** There is no recovery, no functional impact also. |
|---|

| **Defect ID:** DEFECT000637356 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Security |
| **Reported In Release:** FI 08.0.61 | **Technology:** ACLs - Access Control Lists |
| **Symptom:** Openflow flows gets missed in hardware after controller connection is lost and re-established. | |
| **Condition:** 1) There should be an active connection with controller. 2) And the connection to the controller is flapped | |

| **Defect ID:** DEFECT000637461 | |
|---|---|
| **Technical Severity:** Critical | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Security |
| **Reported In Release:** FI 08.0.61 | **Technology:** MAC Port-based Authentication |
| **Symptom:** Unexpected reload of Active Unit of an ICX stack with authentication enabled | |
| **Condition:** This is observed when Radius server is not configured but mac-authentication is enabled. And then User is attempting a mac-authentication. | |

| **Defect ID:** DEFECT000637602 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Management |
| **Reported In Release:** FI 08.0.60 | **Technology:** High Availability |
| **Symptom:** The ICX device reloads unexpectedly. | |
| **Condition:** The ICX devices are connected in stack. Packet received in non-member unit of the stack that need to be forwarded to the active unit. | |

| **Defect ID:** DEFECT000637960 | |
|---|---|
| **Technical Severity:** High | **Probability:** Low |
| **Product:** Brocade FastIron OS | **Technology Group:** Layer 3 Routing/Network Layer |
| **Reported In Release:** FI 08.0.61 | **Technology:** DHCP - Dynamic Host Configuration Protocol |

| Symptom: | DHCP snooping entries learnt on the switch are lost after reloading the ICX stack followed by switch-over. |
|---|---|
| Condition: | DHCP snoop entries are learnt by ICX stack. ICX stack is reloaded and some unit(s) are not ready by the time standby election happens. This is followed by a switch-over and the DHCP snoop entries learnt by the stack are lost on New Active unit. |

| Defect ID: | DEFECT000637965 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | IP Multicast |
| Reported In Release: | FI 08.0.61 | Technology: | IPv6 Multicast Routing |
| Symptom: | Assertion message on the login session appears when a IPV6 address on Layer 3 router interface is configured with the interface value greater than 1026. | | |
| Condition: | On ICX7150 devices configuring an IPV6 address on a Layer 3 router interface whose interface value is greater than 1026 can result in assertion message. | | |

| Defect ID: | DEFECT000638000 | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Monitoring |
| Reported In Release: | FI 08.0.40 | Technology: | RMON - Remote Network Monitoring |
| Symptom: | In SNMP table, the value of snChasFan2OperStatus (OID 1.3.6.1.4.1.1991.1.1.1.3.2.1.4.2.1) returns the wrong value for standby or member units in a stacking system. The value returns other(1) if the fan status is normal for standby or member units in a stacking system. The correct return value in this case should be normal(2) | | |
| Condition: | It happens always | | |
| Workaround: | User can use CLI command "show chassis" to display the fan status for all unit s in a stacking system | | |
| Recovery: | none | | |

| Defect ID: | DEFECT000638069 | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | Monitoring |
| Reported In Release: | FI 08.0.50 | Technology: | RAS - Reliability, Availability, and Serviceability |
| Symptom: | ICX7450 or ICX7250 crashes while running 8040/8050/8060 image. | | |

| Condition: | The CPU sample feature is trying to decode the call trace, which is causing the crash to occur when it is trying to decode the stack trace |
|---|---|
| Workaround: | Disable the Auto CPU Sample feature by executing the following commands in each of the unit console: <br> dm cpu sample auto off |
| Recovery: | Disable the Auto CPU Sample feature by executing the following commands in each of the unit console: <br> dm cpu sample auto off |

| Defect ID: | DEFECT000638087 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Layer 3 Routing/Network Layer |
| Reported In Release: | FI 08.0.30 | Technology: | IP Addressing |
| Symptom: | In FastIron products, dynamic gateway obtained from DHCP is stored wrongly in startup config. | | |
| Condition: | In Fastiron products, obtain the dynamic gateway via DHCP server and do "write memory" will lead to writing a wrong gateway in startup configuration file. | | |

| Defect ID: | DEFECT000638331 | | |
|---|---|---|---|
| Technical Severity: | Critical | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Layer 3 Routing/Network Layer |
| Reported In Release: | FI 08.0.60 | Technology: | DHCP - Dynamic Host Configuration Protocol |
| Symptom: | The ICX device reloads unexpectedly. | | |
| Condition: | When upgrading the code on DHCP-Server enabled ICX device, the device reloads unexpectedly. | | |

| Defect ID: | DEFECT000638365 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: | FI 08.0.61 | Technology: | Management GUI |
| Symptom: | Interface ports are down when LRM adaptor is plugged in ICX device and accessed using HTTP/HTTPS. Port down syslog message are observed. | | |
| Condition: | Connect ICX via HTTP/HTTPS and modify the LRM interface speed in ethernet interface page. | | |

| Defect ID: | DEFECT000638439 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Management |
| **Reported In Release:** | FI 08.0.30 | **Technology:** Configuration Fundamentals |
| **Symptom:** The UP link might get bounced, creating a temporary loss of connectivity to the switch. | | |
| **Condition:** The condition is observed only when all the data ports on the device are disabled at once. | | |

| Defect ID: | DEFECT000638482 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.30 | **Technology:** DHCP - Dynamic Host Configuration Protocol |
| **Symptom:** DHCP Client is not getting IP address from the Server. | | |
| **Condition:** When the DHCP client sends DHCP Discover with option 50 (requesting for a particular IP) and if that IP address is excluded in the pool, the client is not getting IP assigned. | | |

| Defect ID: | DEFECT000638508 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** Low |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.30 | **Technology:** 802.1x Port-based Authentication |
| **Symptom:** Issue will be observed on the ports of a new unit that joins the stack and in dynamic mode . | | |
| **Condition:** STP port priority is not set to default value for ports of newly joined unit . | | |
| **Workaround:** After a unit joins the stack do a reload before changing the configuration on the ports of newly joined unit in the stack . | | |
| **Recovery:** change the stp port priority to default using the CLI : spanning-tree Ethernet <stacked/slot/port> priority 128 | | |

| Defect ID: | DEFECT000638525 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Stacking |
| **Reported In Release:** | FI 08.0.30 | **Technology:** Stack Management |

| Symptom: | The ICX-7450 Running-config Update failure on stacked environment from USB disk. |
|---|---|
| Condition: | The condition is seen only when Running-config copied from USB stick for stacked environment. But Works fine for Single Unit. |

| Defect ID: | DEFECT000638699 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | ACLs - Access Control Lists |
| **Symptom:** | Active unit crashes while detaching large ACL from VE that has PE ports with ACL accounting and logging enabled | | |
| **Condition:** | 1) ACL should be large ie with more than 1000 filters. 2) ACL accounting is enabled on all/most filters. 3) ACL logging is enabled on all/most filters. 4) ACL logging traffic should present. | | |

| Defect ID: | DEFECT000638737 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Layer 2 Switching |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | LAG - Link Aggregation Group |
| **Symptom:** | DEFECT DOES NOT EXISTIt IN PREVIOUS VERSIONS OF SOFTWARE | | |
| **Condition:** | DEFECT DOES NOT EXISTIt IN PREVIOUS VERSIONS OF SOFTWARE | | |

| Defect ID: | DEFECT000638743 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Layer 2 Switching |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | LAG - Link Aggregation Group |
| **Symptom:** | DEFECT DOES NOT EXIST IN PREVIOUS VERSION OF SOFTWARE | | |
| **Condition:** | DEFECT DOES NOT EXIST IN PREVIOUS VERSION OF SOFTWARE | | |

| Defect ID: | DEFECT000638751 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Layer 2 Switching |

| Reported In Release: | FI 08.0.61 | Technology: LAG - Link Aggregation Group |
|---|---|---|
| **Symptom:** DEFECT DOES NOT EXIST IN PREVIOUS VERSION OF SOFTWARE | | |
| **Condition:** DEFECT DOES NOT EXIST IN PREVIOUS VERSION OF SOFTWARE | | |

| Defect ID: | DEFECT000638774 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Monitoring |
| **Reported In Release:** | FI 08.0.61 | **Technology:** Hardware Monitoring |
| **Symptom:** On the ICX7150 platform 1Gig copper ports if the port speed downshift is configured at 10Mbps speed then if VCT (Virtual cable testing) command is run then the port goes down and then comes up in 1Gbps speed despite downshift configuration being there | | |
| **Condition:** On the ICX7150 platform 1Gig copper ports if the port speed downshift is configured at 10Mbps speed then if VCT (Virtual cable testing) command is run then the port goes down and then comes up in 1Gbps speed despite downshift configuration being there | | |
| **Workaround:** This issue happens on the ICX7150 platform 1Gig copper ports if the port speed downshift is configured and then if VCT (Virtual cable testing) command is run | | |

| Defect ID: | DEFECT000638967 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** SDN |
| **Reported In Release:** | FI 08.0.60 | **Technology:** OpenFlow |
| **Symptom:** Openflow flow that is received with priority greater than 32768 does not work. | | |
| **Condition:** 1. Openflow feature is enabled on the interface. 2. Openflow flows with priority greater than 32768 is received. | | |

| Defect ID: | DEFECT000639200 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Management |
| **Reported In Release:** | FI 08.0.30 | **Technology:** SNMP - Simple Network Management Protocol |
| **Symptom:** The fan speed change trap messages are still seen in trap receiver when trap is disabled | | |
| **Condition:** 1.Disable the fan speed change trap 2. View the fan speed change trap messages in trap receiver | | |

| Defect ID: | DEFECT000639224 |
|---|---|

| **Technical Severity:** | Critical | **Probability:** High | |
|---|---|---|---|
| **Product:** Brocade FastIron OS | | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.61 | **Technology:** IP Source Guard | |
| **Symptom:** With the IPSG enabled configuration, standby crashes on bootup | | | |
| **Condition:** 1) IPSG is enabled on stack units | | | |

| **Defect ID:** DEFECT000639432 | | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** High | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Layer 2 Switching |
| **Reported In Release:** | FI 08.0.61 | **Technology:** UDLD - Uni-Directional Link Detection | |
| **Symptom:** LAG ports are getting flap during the SNMPWALK of the MAUMIB | | | |
| **Condition:** 1).Configure the LAG<br>2).Enable the UDLD<br>3).Perform the parallel SNMPWALK of the  'ifMauAutoNegTable', 'ifMauTable'<br>4).Lag ports getting flapped with following SYSLOG messages.<br>SYSLOG: <14> Jun  1 06:08:15 Port 1/1/29 : MODULE-UDLD :  PORT-DOWN   (Reason : Rem-Seq Unchanged Exceed Max-Limit)<br><br>SYSLOG: <14> Jun  1 06:08:15 Port 1/1/29 : MODULE-UDLD :  PORT-DOWN   (Reason : No Receive Exceed Max-ReTry)<br><br>SYSLOG: <14> Jun  1 06:08:15 System: Interface ethernet 1/1/29, state down<br><br>SYSLOG: <14> Jun  1 06:08:15 System: Logical link on interface ethernet 1/1/29 is down. | | | |

| **Defect ID:** DEFECT000639436 | | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** Medium | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | IP Multicast |
| **Reported In Release:** | FI 08.0.30 | **Technology:** PIM - Protocol-Independent Multicast | |
| **Symptom:** L3 IP Multicast traffic drop. | | | |
| **Condition:** Applicable on all ICX7xxx products, with PIM configured and IP Multicast traffic. Seen in a specific topology viz.<br><br>active-receiver----ve17-Router1-ve9---- Router2<br>Router3--ve7--Router2 (RP)--ve7--Router4--ve7---- source  (same vlan domain) | | | |
| **Workaround:** configure large prune-wait interval. | | | |

| Recovery: Configure large prune-wait interval | |
|---|---|

| Defect ID: DEFECT000639439 | |
|---|---|
| Technical Severity: Medium | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: Layer 3 Routing/Network Layer |
| Reported In Release: FI 08.0.61 | Technology: IP Addressing |
| Symptom: ISSU will abort due to protocol sync not complete as seen in show issu status. | |
| Condition: Applicable to all ICX7xxx products, during ISSU configuration. This problem is seen occasionally. | |
| Workaround: NO workaround | |

| Defect ID: DEFECT000639636 | |
|---|---|
| Technical Severity: High | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Management |
| Reported In Release: FI 08.0.60 | Technology: NTP - Network Time Protocol |
| Symptom: Unexpected reload of the device when NTP is enabled. | |
| Condition: NTP is enabled. NTP loses synchronization with all configured NTP servers. | |

| Defect ID: DEFECT000639786 | |
|---|---|
| Technical Severity: Critical | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Security |
| Reported In Release: FI 08.0.61 | Technology: SSH - Secure Shell |
| Symptom: ICX may unexpectedly reload, when SSH session gets terminated with SSH key exchange in progress. | |
| Condition: Disconnecting SSH session, while supportsave with scp is in progress or initiating SSH session from secureCRT terminal and disconnect immediately. | |

| Defect ID: DEFECT000639822 | |
|---|---|
| Technical Severity: High | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Security |
| Reported In Release: FI 08.0.60 | Technology: 802.1x Port-based Authentication |

| Symptom: | ICX device sends accounting interim packet with service-type attribute as Call-Check instead of Framed-user. |
|---|---|
| Condition: | 802.1x authentication and interim-accounting are enabled on interface. The device sends interim-accounting to the RADIUS server. |

| Defect ID: | DEFECT000640587 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | Medium |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Monitoring |
| **Reported In Release:** | FI 08.0.40 | **Technology:** | RAS - Reliability, Availability, and Serviceability |
| **Symptom:** | ICX7450 or ICX7250 crashes while running 8040/8050/8060 image. | | |
| **Condition:** | The CPU sample feature is trying to decode the call trace, which is causing the crash to occur when it is trying to decode the stack trace | | |
| **Workaround:** | Disable the Auto CPU Sample feature by executing the following commands in each of the unit console: dm cpu sample auto off | | |
| **Recovery:** | Disable the Auto CPU Sample feature by executing the following commands in each of the unit console: dm cpu sample auto off | | |

| Defect ID: | DEFECT000640719 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Management |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | CLI - Command Line Interface |
| **Symptom:** | Static gateway configuration is lost from the running configuration. | | |
| **Condition:** | Overwriting dynamic gateway with same static gateway, followed by static IP address configuration in the device. | | |
| **Workaround:** | Remove dynamic ip address before configuring the static gateway or configure the static ip address before configuring static gateway. | | |
| **Recovery:** | Reconfigure the static gateway to recover the loss of static gateway | | |

| Defect ID: | DEFECT000640964 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | Medium |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.60 | **Technology:** | 802.1x Port-based Authentication |
| **Symptom:** | Re-authentication triggered by restricted Client is not working | | |

| **Condition:** User is already in restricted vlan. Then if User triggers dot1x re-authentication request, it is getting ignored by ICX |
|---|

| **Defect ID:** DEFECT000641072 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Stacking |
| **Reported In Release:** FI 08.0.61 | **Technology:** Traditional Stacking |
| **Symptom:** On ICX7250 stack environment with EEE (energy efficient ethernet) configured, when the standby unit is reloaded then the CPU utilization goes high to 99% and console access is stuck for some time | |
| **Condition:** This issue happens on ICX7250 stack environment with EEE (energy efficient ethernet) configured and standby unit is reloaded | |

| **Defect ID:** DEFECT000641307 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** FI 08.0.61 | **Technology:** xSTP - Spanning Tree Protocols |
| **Symptom:** Hardware STP state and Software STP state is out of sync. | |
| **Condition:** When unconfig the topology group's master VLAN. | |
| **Workaround:** There is no work around. | |
| **Recovery:** Reset the system. | |

| **Defect ID:** DEFECT000641415 | |
|---|---|
| **Technical Severity:** Medium | **Probability:** Medium |
| **Product:** Brocade FastIron OS | **Technology Group:** Monitoring |
| **Reported In Release:** FI 08.0.60 | **Technology:** Hardware Monitoring |
| **Symptom:** On ICX7250 switch when the external USB device is inserted to the switch then some times the device is not detected. The USB device gets detected and and mounted after the unit reload. | |
| **Condition:** This issue happens only sometimes on the ICX7250 when external USB device is inserted to the up and running system | |
| **Workaround:** The attached USB device gets detected and mounted after a reload is performed to the ICX7250 unit | |

| **Defect ID:** DEFECT000641644 |
|---|

| Technical Severity: | Medium | Probability: Low | |
|---|---|---|---|
| Product: Brocade FastIron OS | | Technology Group: | Management |
| Reported In Release: | FI 08.0.61 | Technology: CLI - Command Line Interface | |
| Symptom: In the ICX7150 stacking environment, if number of power supplies is equal to one then PoE capability(PoE/Regualr) is not displayed under PSU details info of member unit | | | |
| Condition: This issue happens on ICX7150 stacking environment if the number of power supplies is equal to one | | | |

| Defect ID: DEFECT000641931 | | | |
|---|---|---|---|
| Technical Severity: | High | Probability: Medium | |
| Product: Brocade FastIron OS | | Technology Group: | Layer 2 Switching |
| Reported In Release: | FI 08.0.61 | Technology: MCT - Multi-Chassis Trunking | |
| Symptom: In MCT cluster when a MCT peer reboots then joins back, we might see multicast traffic loss for up to 125sec (for default query interval time) on some receivers connected to a MCT client until the next IGMP/MLD  query is sent. | | | |
| Condition: - v4/v6 Multicast snooping is configured on vlan <br> - Multicast source and receivers (IGMP/MLD) are on different MCT clients. <br> - In MCT cluster when a MCT peer reboots and then joins back (or CCP Up event) | | | |
| Workaround: By configuring the IGMP/MLD  query interval to the smaller value, we can limit the traffic loss only to that interval time | | | |
| Recovery: The problem will recover automatically once the next query is sent out. To speed  up the recovery, try configuring the IGMP/MLD  query interval to the smaller value | | | |

| Defect ID: DEFECT000641986 | | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: Medium | |
| Product: Brocade FastIron OS | | Technology Group: | Monitoring |
| Reported In Release: | FI 08.0.30 | Technology: sFlow | |
| Symptom: SFLOW collector reports length mismatch error. | | | |
| Condition: SFLOW version 5 is enabled. The SFLOW packet contains default-gateway information. | | | |

| Defect ID: DEFECT000642325 | | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: High | |
| Product: Brocade FastIron OS | | Technology Group: | Management |

| Reported In Release: | FI 08.0.30 | Technology: SNMP - Simple Network Management Protocol |
|---|---|---|
| **Symptom:** Even after disabling the fan traps, they are observed in the trap receiver. |||
| **Condition:** 1.Disable fan-speed-change trap and fan-failure trap using, no snmp-server enable traps fan-failure no snmp-server enable traps fan-speed-change 2.Traps seen in trap receiver when disabled |||

| Defect ID: | DEFECT000642551 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** | FI 08.0.60 | **Technology:** VSRP - Virtual Switch Redundancy Protocol |
| **Symptom:** The ICX device might reload unexpectedly. |||
| **Condition:** The commands 'no router vsrp' and 'show ip' are executed in sequence on ICX device. |||

| Defect ID: | DEFECT000642713 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.60 | **Technology:** 802.1x Port-based Authentication |
| **Symptom:** CoA response is sent to RADIUS with source IP address not honoring "ip radius source-interface" command. |||
| **Condition:** CoA feature is enabled. "ip radius source-interface" command is configured. ICX device receives CoA-Request. |||

| Defect ID: | DEFECT000642973 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.60 | **Technology:** 802.1x Port-based Authentication |
| **Symptom:** The ICX device reloads randomly while issuing 'show mac-authentication session all' command. |||
| **Condition:** 1. The ICX devices are in stack. 2. MAC-authentication is enabled on port in non-active unit. 3. 'show mac-authentication session all' command is executed. |||

| Defect ID: | DEFECT000642998 |
|---|---|

| Technical Severity: | High | Probability: Low | |
|---|---|---|---|
| Product: Brocade FastIron OS | | Technology Group: | Management |
| Reported In Release: | FI 08.0.50 | Technology: PoE/PoE+ - Power over Ethernet | |

**Symptom:** PoE feature is non-functional after downgrading from 8061 to previous releases.

**Condition:** Image Downgrade

**Workaround:** "no inline power" for all ports and then reload the unit. After reload, install different FW version.

**Recovery:** "no inline power" for all ports and then reload the unit. After reload, install different FW version.

| Defect ID: | DEFECT000643357 | | |
|---|---|---|---|
| Technical Severity: | Critical | Probability: High | |
| Product: Brocade FastIron OS | | Technology Group: | Monitoring |
| Reported In Release: | FI 08.0.61 | Technology: Hardware Monitoring | |

**Symptom:** When the ICX7450 using copper downlink port connects to the printer and the interface is configured n half-duplex mode then over a period of multiple iterations sometimes the ping from ICX7450 to the printer fails

**Condition:** This issue happens when ICX7450 connects to a printer using downlink copper port configured in half-duplex mode

| Defect ID: | DEFECT000643449 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: Medium | |
| Product: Brocade FastIron OS | | Technology Group: | Stacking |
| Reported In Release: | FI 08.0.50 | Technology: Mixed Stacking | |

**Symptom:** The CB unit (ICX 7750) connected to a PE (ICX 7450) in a SPX environment might reload unexpectedly.

**Condition:** The condition is seen only when there is packet corruption observed on the SPX ports of the PE.

| Defect ID: | DEFECT000643568 | | |
|---|---|---|---|
| Technical Severity: | Critical | Probability: High | |
| Product: Brocade FastIron OS | | Technology Group: | Stacking |

| Reported In Release: | FI 08.0.61 | Technology: Stack Failover/Switchover |
|---|---|---|

**Symptom:** Device may unexpectedly reload during standby election

**Condition:** Reload stack setup or standby election, with CLI command history in persistant log

**Workaround:** Clear CLI command history before stack reload or before standby election

| Defect ID: | DEFECT000643626 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** | FI 08.0.61 | **Technology:** MCT - Multi-Chassis Trunking |

**Symptom:** MCT peer cluster MAC is learnt on a CCEP port.

**Condition:** Reload of MCT cluster nodes.

**Workaround:** There is no workaround.

**Recovery:** Stop all customer traffic and reload MCT cluster nodes. Since this issue is timing related, if issue is seen after reload of MCT cluster nodes, the only option is to wait for the MCT cluster MACs to age out at CCEP ports.

| Defect ID: | DEFECT000643744 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.60 | **Technology:** MAC Port-based Authentication |

**Symptom:** Fallback to mac-authentication does not happen for remote unit port on Stacking/SPX system

**Condition:** User is connected to DUT through remote unit port and is non-dot1x capable. However, mac-authentication does not get triggered even after timeout happens for dot1x authentication

| Defect ID: | DEFECT000643843 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Monitoring |
| **Reported In Release:** | FI 08.0.61 | **Technology:** Hardware Monitoring |

**Symptom:** Show memory command in ICX 7150 shows inaccurate information

**Condition:** When show memory is used to view the memory statistics on ICX 7150

| Defect ID: | DEFECT000644097 |
|---|---|

| Technical Severity: | Medium | Probability: | High |
|---|---|---|---|
| Product: | Brocade FastIron OS | Technology Group: | Stacking |
| Reported In Release: | FI 08.0.60 | Technology: | Traditional Stacking |
| Symptom: | Stacking configuration is not removed during a downgrade to 8060 from 8061, though 8060 does not support 7150 stacking | | |
| Condition: | During a Downgrade from 8061 to 8060 on a ICX 7150 Stack | | |

| Defect ID: | DEFECT000644169 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.60 | Technology: | MAC Port-based Authentication |
| Symptom: | Mac-authentication is not getting triggered when configured value of 'tx-period' is 3 sec | | |
| Condition: | User is dot1x not-capable and 'tx-period' is configured as 3 sec. However, User is not falling back to mac-authentication after timeout happens for dot1x authentication. Instead session is getting cleared for the User | | |

| Defect ID: | DEFECT000644439 | | |
|---|---|---|---|
| Technical Severity: | Critical | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: | FI 08.0.61 | Technology: | xSTP - Spanning Tree Protocols |
| Symptom: | System memory depletion with syslog or specific syslog message type is disabled. | | |
| Condition: | When syslog feature is disabled or a particular syslog message type is disabled, memory depletion is encountered. | | |

| Defect ID: | DEFECT000645534 | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.60 | Technology: | AAA - Authentication, Authorization, and Accounting |
| Symptom: | Telnet user authentication is configured. Telnet to switch results in the following: 1. The line "Please Enter Password:" is printed in the same line as "Please Enter Login Name:" 2. The telnet password is not hidden and printed. | | |

| Condition: If the customer is using a 8061 beta build, it gets exposed to this issue. |
|---|
| Recovery:  Upgrade to 8061 released image or a patch build with the defect fix. |

| Defect ID:  DEFECT000645619 | |
|---|---|
| Technical Severity: High | Probability:  High |
| Product:  Brocade FastIron OS | Technology Group: Layer 2 Switching |
| Reported In Release: FI 08.0.61 | Technology: xSTP - Spanning Tree Protocols |
| Symptom:  Occasionally ICX7250 1G access ports not going down after disabling the link partner's port. And port remains up even though link partner state is down. | |
| Condition:  This issue is specific to ICX7250 1G access ports and not observed with uplink or stacking ports. Also it requires repeated port disable and enable on the link partner to see this issue. | |
| Workaround: Disable and re-enable ICX7250 1G port which has this issue to recover from the error state. | |

| Defect ID:  DEFECT000645659 | |
|---|---|
| Technical Severity: Medium | Probability:  High |
| Product:  Brocade FastIron OS | Technology Group: Stacking |
| Reported In Release: FI 08.0.61 | Technology: Traditional Stacking |
| Symptom:  The statistics counters are not updated correctly. This issue is seen only internal releases and was fixed in the final release | |
| Condition:  Issue " show interfaces" command | |
| Recovery:  none | |

# Closed without code changes

This section lists software defects with Critical, High, and Medium Technical Severity closed without a code change as of 6-July-2017 in 08.0.61.

| | | | |
|---|---|---|---|
| **Defect ID:** DEFECT000550376 | | **Technical Severity:** Medium | |
| **Reason Code:** Design Limitation | | **Probability:** Low | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Management |
| **Reported In Release:** | FI 08.0.30 | **Technology:** Configuration Fundamentals | |
| **Symptom:** The ports will go down if there a cable cut/fault cable. This issue is present only on 10G fiber ports of on ICX7450 platform. | | | |
| **Condition:** If there is a TX/RX fiber cable cut, the link fault-signalling will not work and the ports will go down. Fault indication will not be reflected on port status. | | | |
| **Workaround:** Use good quality fiber cable and keep protected. | | | |
| **Recovery:** Replace the fiber cable. | | | |

| | | | |
|---|---|---|---|
| **Defect ID:** DEFECT000600081 | | **Technical Severity:** Medium | |
| **Reason Code:** Not Reproducible | | **Probability:** Low | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Monitoring |
| **Reported In Release:** | FI 08.0.40 | **Technology:** Syslog | |
| **Symptom:** MAU mib table ifMauAutoNegCapabilityBits, ifMauAutoNegCapAdvertisedBits OIDs always return the 00, 01 | | | |
| **Condition:** Perform the SNMPWALK of the MAU table<br>snmpwalk -v2c -c public <device MGMT IP> 1.3.6.1.2.1.26.5.1.1.9.1<br>snmpwalk -v2c -c public <device MGMT IP> 1.3.6.1.2.1.26.5.1.1.10.1 | | | |

| | | | |
|---|---|---|---|
| **Defect ID:** DEFECT000616501 | | **Technical Severity:** Medium | |
| **Reason Code:** Feature/Function Not Supported | | **Probability:** High | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Management |
| **Reported In Release:** | FI 08.0.30 | **Technology:** SNMP - Simple Network Management Protocol | |
| **Symptom:** ifDescr OID does not display LAG name during SNMPWALK and returns "No such instance message for lag interface".<br><br>hq1-up-swe-10{22}: snmpwalk -v2c -c public 172.26.70.222 ifDescr<br>IF-MIB::ifDescr.83886043 = No Such Instance currently exists at this OID | | | |
| **Condition:** SNMPWalk for ifDescr on ICX device with LAG configured. | | | |

| | | | |
|---|---|---|---|
| **Defect ID:** DEFECT000629959 | | **Technical Severity:** High | |
| **Reason Code:** Design Limitation | | **Probability:** Medium | |

| Product: | Brocade FastIron OS | Technology Group: | SDN |
|---|---|---|---|
| Reported In Release: | FI 08.0.60 | Technology: | OpenFlow |

**Symptom:** In ICX7750 sometimes the tagged ARP packets does not egress out when the flow is pointed to the select group

**Condition:** This happens on ICX7750 with tagged ARP packets when the flow is pointed to the select group

| Defect ID: | DEFECT000632032 | Technical Severity: | Low |
|---|---|---|---|
| Reason Code: | Not Reproducible | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Monitoring |
| Reported In Release: | FI 08.0.30 | Technology: | Port Mirroring |

**Symptom:** In the ICX6450 switches when the command "debug packet-capture mode pcap-fmt" with "debug destination telnet" is run then some packet drop is observed

**Condition:** This issue happens on ICX6450 switches when the command "debug packet-capture mode pcap-fmt" with "debug destination telnet" is run

| Defect ID: | DEFECT000632120 | Technical Severity: | Low |
|---|---|---|---|
| Reason Code: | Feature/Function Not Supported | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: | FI 08.0.30 | Technology: | VLAN - Virtual LAN |

**Symptom:** During reload of the device, the ports which were member of the IP-SUBNET VLAN might not be present and IP-SUBNET VLAN might not be formed.

**Condition:** 1. Create IP-SUBNET VLAN whose member should be enabled with MAC-Authentication. 2. Reload the device

| Defect ID: | DEFECT000632721 | Technical Severity: | High |
|---|---|---|---|
| Reason Code: | Not Reproducible | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.50 | Technology: | MAC Port-based Authentication |

**Symptom:** Failover to second radius server does not work

**Condition:** When large number of users try to do mac-auth and first Radius server is down, but second radius server is up

| Defect ID: | DEFECT000632722 | Technical Severity: | High |
|---|---|---|---|
| Reason Code: | Not Reproducible | Probability: | High |

| Product: Brocade FastIron OS | Technology Group: | Management |
|---|---|---|
| Reported In Release: FI 08.0.50 | Technology: NTP - Network Time Protocol | |
| Symptom: Show running configuration does not hold the timezone Michigan configured in ICX | | |
| Condition: Under certain unknown conditions. | | |

| Defect ID: DEFECT000633023 | Technical Severity: High |
|---|---|
| Reason Code: Feature/Function Not Supported | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Layer 2 Switching |
| Reported In Release: FI 08.0.60 | Technology: LAG - Link Aggregation Group |
| Symptom: Lag deployments having ports from Module-2(10G), were 10G speed capability is subjected to license availability, on system reload Lag will be un-deployed if the 10G license is removed after successfully configuring the LAG. | |
| Condition: LAG deployment using ports from Module-2(10G), were 10G license was available when LAG ports were configured and subsequently before deploy if 10G license is removed. Deploy command will go through, but 10G ports without the license will not come up physically. Also on reload this LAG will be un-deployed to difference in configured port speed between the ports in the Lag. | |
| Workaround: User should apply Sica 8*10G license so as to bring the ports UP which are from module 2 and part of an deployed LAG | |

| Defect ID: DEFECT000633890 | Technical Severity: High |
|---|---|
| Reason Code: Will Not Fix | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: Management |
| Reported In Release: FI 08.0.30 | Technology: Configuration Fundamentals |
| Symptom: In one of the ICX7750 unit it was observed that the switch went for one time reload without any event or trigger | |
| Condition: This is a very rare case that happened in ICX7750 switch while operating normally | |

| Defect ID: DEFECT000633909 | Technical Severity: High |
|---|---|
| Reason Code: Not Reproducible | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: Stacking |
| Reported In Release: FI 08.0.60 | Technology: Stack Management |
| Symptom: Sometimes the ICX7450 switch running as a part of stack shows up error messages related to "soc_ser_correction". This happens in a rare corner case. | |
| Condition: This issue is a corner case and seen with the ICX7450 switch running as a part of stack for some time | |

| Defect ID: | DEFECT000634757 | Technical Severity: | High |
|---|---|---|---|
| **Reason Code:** Will Not Fix | | **Probability:** High | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Layer 2 Switching |
| **Reported In Release:** | FI 08.0.30 | **Technology:** xSTP - Spanning Tree Protocols | |
| **Symptom:** In FastIron products, LAG ports stp states moving to blocked state when cross unit lag between ICX 7750 and ICX 7450 is reloaded | | | |
| **Condition:** In Fasttiron Products, configuring cross unit lag between ICX 7750 and ICX 7450 and then reload the device will lead to LAG stp states moving to blocking state and LAG down. | | | |

| Defect ID: | DEFECT000635170 | Technical Severity: | High |
|---|---|---|---|
| **Reason Code:** Already Fixed in Release | | **Probability:** High | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Stacking |
| **Reported In Release:** | FI 08.0.30 | **Technology:** Traditional Stacking | |
| **Symptom:** ICX Stack breaks unexpectedly. | | | |
| **Condition:** When SFLOW forwarding is enabled on LAG ports and also SFLOW collector is connected through the management port, ICX stack gets broken unexpectedly. | | | |

| Defect ID: | DEFECT000635207 | Technical Severity: | High |
|---|---|---|---|
| **Reason Code:** Feature/Function Not Supported | | **Probability:** High | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Management |
| **Reported In Release:** | FI 08.0.30 | **Technology:** High Availability | |
| **Symptom:** The ports on the SXL 2X10G management line card might not come up. | | | |
| **Condition:** The 10G ports on the 2X10G management line card, when connected to any peer end port might not come up. | | | |

| Defect ID: | DEFECT000635681 | Technical Severity: | High |
|---|---|---|---|
| **Reason Code:** Not Reproducible | | **Probability:** High | |
| **Product:** Brocade FastIron OS | | **Technology Group:** | Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.30 | **Technology:** Static Routing (IPv4) | |
| **Symptom:** BUM traffic is not flooded in the route-only ports after un-configuring route-only feature on the interface. | | | |
| **Condition:** 1. Configure route-only on an interface. 2. Reload the device 3. Unconfigure route-only on the interface. | | | |

| Defect ID: | DEFECT000636450 | Technical Severity: | High |
|---|---|---|---|
| Reason Code: | Feature/Function Not Supported | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: | FI 08.0.30 | Technology: | xSTP - Spanning Tree Protocols |
| Symptom: | In SXL devices, spanning tree status is moved into Disabled state after upgrading into 8030n image | | |
| Condition: | In SXL device, enable spanning tree on to a VLAN and reload the device will move the access port going to disabled state. | | |

| Defect ID: | DEFECT000636598 | Technical Severity: | High |
|---|---|---|---|
| Reason Code: | Already Fixed in Release | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.30 | Technology: | Security Vulnerability |
| Symptom: | Client loses L3 connectivity when ARP inspection is enabled on a VLAN and Static ARP inspection entry is configured for the client's IP-address under non-default VRF. | | |
| Condition: | ARP inspection is enabled in VLAN. Static ARP inspection entry is configured for the client under non-default VRF. | | |

| Defect ID: | DEFECT000636733 | Technical Severity: | High |
|---|---|---|---|
| Reason Code: | Feature/Function Not Supported | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Layer 2 Switching |
| Reported In Release: | FI 08.0.30 | Technology: | LAG - Link Aggregation Group |
| Symptom: | Ping not working if enabled route-only on interface level of deployed lag | | |
| Condition: | 1.Form the 10G lag Between Spatha1 & Spatha2<br>2.Configure ip address & Route-Only on primary interface<br>3.undeploy the lag & deploy it again<br>4.ping fails | | |

| Defect ID: | DEFECT000637213 | Technical Severity: | Critical |
|---|---|---|---|
| Reason Code: | Feature/Function Not Supported | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.40 | Technology: | 802.1x Port-based Authentication |
| Symptom: | Switch reboots unexpectedly when MAC-authentication is attempted. | | |
| Condition: | 1. On a Flexible Authentication enabled port , if there is an existing Dot1x session for PC in Restricted Vlan. | | |

| | 2. VOIP phone attempts MAC-Authentication and Authentication is successful. |
|---|---|

| Defect ID: DEFECT000637795 | Technical Severity: High |
|---|---|
| Reason Code: Will Not Fix | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Management |
| Reported In Release: FI 08.0.30 | Technology: Configuration Fundamentals |
| Symptom: DHCP snooping database is not built. | |
| Condition: When DHCP snooping device is connected between DHCP Relay and DHCP Server, the DHCP snooping database is not built. | |

| Defect ID: DEFECT000637967 | Technical Severity: High |
|---|---|
| Reason Code: Not Reproducible | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: Security |
| Reported In Release: FI 08.0.30 | Technology: MAC Port-based Authentication |
| Symptom: Switch might reload unexpectedlysometimes when a Mac-Auth client in Critical or Restricted vlan, is removed. | |
| Condition: Clear a Mac-Auth sessions in Critical or Restricted VLAN. | |

| Defect ID: DEFECT000637983 | Technical Severity: High |
|---|---|
| Reason Code: Already Fixed in Release | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Monitoring |
| Reported In Release: FI 08.0.30 | Technology: RMON - Remote Network Monitoring |
| Symptom: SNMP monitoring reads some of the stack ports as "down" when they are up. MIB value .1.3.6.1.4.1.1991.1.1.3.31.2.2.1.8.2 might return value "3" (indicating port down) instead of value "2" (port up) when stack port is up and forwarding. | |
| Condition: 1) Configure snmp monitoring on the device by configuring snmp-server host ip address 2) Use SnmpGet or SnmpWalk from the snmp-server side with the OID .1.3.6.1.4.1.1991.1.1.3.31.2.2.1.8.2 | |

| Defect ID: DEFECT000638127 | Technical Severity: High |
|---|---|
| Reason Code: Not Reproducible | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Layer 3 Routing/Network Layer |
| Reported In Release: FI 08.0.30 | Technology: Static Routing (IPv4) |
| Symptom: Bringing down all the ports in the VLAN does not bring down the ve interface . This leads to loop and unnecessary traffic forwarding. | |

| | |
|---|---|
| **Condition:** On ICX devices data port is added as tagged/untagged to a VLAN and router-interface is added to it. With both in up state, physically remove the cable from the port. | |

| | |
|---|---|
| **Defect ID:** DEFECT000638688 | **Technical Severity:** High |
| **Reason Code:** Not Reproducible | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Security |
| **Reported In Release:** FI 08.0.30 | **Technology:** MAC Port-based Authentication |
| **Symptom:** MAC-Authentication of client never succeeds if it fails once during re-authentication. | |
| **Condition:** MAC-Authentication and 802.1x are enabled on the interface. Initially MAC-authentication of client is successful with attribute indicating not to try 802.1x for the client. During re-authentication, if MAC-authentication fails, the client never successfully re-authenticates. | |

| | |
|---|---|
| **Defect ID:** DEFECT000639260 | **Technical Severity:** High |
| **Reason Code:** Not Reproducible | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Management |
| **Reported In Release:** FI 08.0.30 | **Technology:** SNMP - Simple Network Management Protocol |
| **Symptom:** ICX 7450-stack memeber is not reloaded when flash Image upgrade completed with BNA via TELNET and SCP | |
| **Condition:** 1. Discover device in BNA.<br>2. Select transfer options as Telnet-SCP.<br>3. Select 'save and reload' option.<br>4. Load flash image from BNA to primary of device. | |

| | |
|---|---|
| **Defect ID:** DEFECT000639334 | **Technical Severity:** High |
| **Reason Code:** Not Reproducible | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Security |
| **Reported In Release:** FI 08.0.60 | **Technology:** 802.1x Port-based Authentication |
| **Symptom:** 802.1x authentication is success for the supplicants connected to interface in member units of stack. When the clients re-authenticate, the re-authentication fails. | |
| **Condition:** 802.1x authentication is enabled on member port of stack. Period 802.1x re-authentication is also enabled. | |

| | |
|---|---|
| **Defect ID:** DEFECT000640054 | **Technical Severity:** Critical |
| **Reason Code:** Feature/Function Not Supported | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Management |

| Reported In Release: | FI 08.0.30 | Technology: Configuration Fundamentals |
|---|---|---|
| **Symptom:** Error traces might be observed randomly - "Error: remaining ticks (0) is smaller than elapsed ticks" | | |
| **Condition:** Switch is up and running for 621 days. | | |
| **Workaround:** Reboot before 621 days of system up time. If reboot was not done in 621 days and after that if errors are seen, then also reboot system. | | |

| Defect ID: DEFECT000641061 | Technical Severity: High |
|---|---|
| Reason Code: Feature/Function Not Supported | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: Monitoring |
| Reported In Release: FI 08.0.30 | Technology: Hardware Monitoring |
| **Symptom:** On ICX64xx unit if the diagnostic command "dm alt-diag" is run then the failure messages are seen on console | |
| **Condition:** This issue happens on ICX64xx unit when the diagnostic command "dm alt-diag" is run | |

| Defect ID: DEFECT000642197 | Technical Severity: Medium |
|---|---|
| Reason Code: Already Fixed in Release | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: Stacking |
| Reported In Release: FI 08.0.30 | Technology: Traditional Stacking |
| **Symptom:** The stacked ICX7450 might get segmented, due to the stack ports bouncing back to IEEE mode from HiGig2 mode. | |
| **Condition:** This condition is observed only when the ICX 7450 units come up after a power cycle or reload to join the stack. | |
| **Recovery:** Manual power off/on | |

| Defect ID: DEFECT000642495 | Technical Severity: Medium |
|---|---|
| Reason Code: Will Not Fix | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: Management |
| Reported In Release: FI 08.0.30 | Technology: PoE/PoE+ - Power over Ethernet |
| **Symptom:** Poe Firmware not upgraded due to incompatible firmware and hardware | |
| **Condition:** ** This issue is NOT applicable for 8061 release and only applicable to 8030n release ** | |

| Defect ID: DEFECT000642959 | Technical Severity: Medium |
|---|---|
| Reason Code: Feature/Function Not Supported | Probability: Medium |
| Product: Brocade FastIron OS | Technology Group: Management |

| Reported In Release: | FI 08.0.30 | Technology: High Availability |
|---|---|---|
| **Symptom:** The ICX6610 Stack Active unit goes for unexpected reload with FI 8.0.30 Image | | |
| **Condition:** This issue happens on ICX6610 with FI 8.0.30 image.<br><br>This defect is relevant for FI 8.0.30 release and it is not relevant for FI 8.0.61 release as this an unsupported platform | | |

| Defect ID: DEFECT000644253 | Technical Severity: Medium |
|---|---|
| **Reason Code:** Will Not Fix | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Management |
| **Reported In Release:** FI 08.0.30 | **Technology:** Software Installation & Upgrade |
| **Symptom:** On ICX7250 running FI 8.0.30n image if the image download is performed to secondary flash then sometime the following message is observed on console:<br><br>skipping block 1a<br>skipping block 1b | |
| **Condition:** This issue happens on ICX7250 switch running FI 8.0.30n build when the image download operation is performed | |

# Known issues

This section lists open software defects with Critical, High, and Medium Technical Severity as of 6-July-2017 in 08.0.61.

| Defect ID: | DEFECT000633276 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.61 | **Technology:** ACLs - Access Control Lists | |
| **Symptom:** | With full scale ACL configuration, active blocks the user from configuration changes for about 5 minutes during reload when standby is present. | | |
| **Condition:** | 1) Large ACLs (with 1000-1500 filters) should present in the configuration. 2) Standby is coming up. | | |

| Defect ID: | DEFECT000634546 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Layer 2 Switching |
| **Reported In Release:** | FI 08.0.61 | **Technology:** MRP - Metro Ring Protocol | |
| **Symptom:** | On a ICX7250 stack or the ICX7450 stack when the ports are removed and added to the VLAG then the MRP blocked ports re-converges, it moves from pre-forwarding to forwarding to blocking state | | |
| **Condition:** | This issue is seen on ICX7250 and ICX7450 stack when port is removed and added to the existing VLAG | | |

| Defect ID: | DEFECT000634778 | | |
|---|---|---|---|
| **Technical Severity:** | Critical | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Management |
| **Reported In Release:** | FI 08.0.60 | **Technology:** PoE/PoE+ - Power over Ethernet | |
| **Symptom:** | Connected PDs in regular non fanless mode are not powered after a Reload | | |
| **Condition:** | Enabling fanless mode followed by a reload results in this issue - due to power allocation mechanism | | |
| **Workaround:** | The user can use the inline power power-limit or inline power power-by-class command for the port where a PD is connected and need an allocation within the available power | | |

| Defect ID: | DEFECT000636438 |
|---|---|

| Technical Severity: | Medium | Probability: | Medium |
|---|---|---|---|
| **Product:** | Brocade FastIron OS | **Technology Group:** | Management |
| **Reported In Release:** | FI 08.0.30 | **Technology:** CDP - Cisco Discovery Protocol | |
| **Symptom:** | CDP response from the device does not carry Voice Vlan even after requesting Voice VLAN from the other end. | | |
| **Condition:** | 1. Configure CDP and Voice VLAN on the Brocade device<br>2. Send CDP response. | | |

| **Defect ID:** | DEFECT000636974 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Stacking |
| **Reported In Release:** | FI 08.0.61 | **Technology:** Traditional Stacking | |
| **Symptom:** | MAC Filters returned by Radius during Dot1x Authentication does not get applied on Stack Member ports. | | |
| **Condition:** | User needs to configure MAC Filter on a dot1x port that is on a stack member | | |

| **Defect ID:** | DEFECT000637116 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Stacking |
| **Reported In Release:** | FI 08.0.61 | **Technology:** Stack Management | |
| **Symptom:** | On a SPX (Switch port extender) setup involving ICX7750 at the core stack and ICX7250 as the port extenders, when the following steps are performed then an issue is seen where one of the port extender unit does not get MAC address assigned and the SPX port connected to that PE unit goes in Blocking state.<br><br>Steps to see the problem:<br><br>1. Reload the SPX stack with traffic running across the system<br>2. Perform the stack Switch Over on core ICX7750 stack<br>3. After this we observe that one of the PE unit is missing the MAC address and the SPX port connected to that PE goes in blocking state | | |
| **Condition:** | This issue is seen on a SPX (Switch port extender) setup involving ICX7750 at the core stack and ICX7250 as the port extenders, when the following steps are performed:<br><br>1. Reload the SPX stack with traffic running across the system<br>2. Perform the stack Switch Over on core ICX7750 stack | | |

| **Defect ID:** | DEFECT000637932 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.61 | **Technology:** 802.1x Port-based Authentication |
| **Symptom:** ACLs do not get programmed for clients connected on stack member ports during flexible authentication | | |
| **Condition:** Observed when strict security mode is disabled | | |

| **Defect ID:** | DEFECT000638551 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** IP Multicast |
| **Reported In Release:** | FI 08.0.61 | **Technology:** IGMP - Internet Group Management Protocol |
| **Symptom:** STP states are inconsistent | | |
| **Condition:** When there is standby -> member -> standby transition without reload of that unit | | |
| **Workaround:** There is no workaround. | | |
| **Recovery:** Reload that unit | | |

| **Defect ID:** | DEFECT000639235 | |
|---|---|---|
| **Technical Severity:** | Medium | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 2 Switching |
| **Reported In Release:** | FI 08.0.61 | **Technology:** LAG - Link Aggregation Group |
| **Symptom:** Partner info fields are not filled with 0 in show lag command for up to a few minutes. | | |
| **Condition:** Put the lag into mis-cabling error and then disable the whole lag. | | |
| **Workaround:** There is no work around. | | |
| **Recovery:** Wait for a few minutes. There is no functional impact. | | |

| **Defect ID:** | DEFECT000639272 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Management |
| **Reported In Release:** | FI 08.0.30 | **Technology:** SNMP - Simple Network Management Protocol |
| **Symptom:** Upgrading Flash Image with TFTP-TELNET from BNA is not Working | | |
| **Condition:** 1. Discover device in BNA.<br>2. Select transfer options as Telnet-TFTP<br>3. Select 'save and reload' option.<br>4. Load flash image from BNA to primary of device. | | |

| **Defect ID:** | DEFECT000639914 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** Security |
| **Reported In Release:** | FI 08.0.61 | **Technology:** IP Source Guard |
| **Symptom:** Reload of standby results in few empty DHCP related TCAM rule entries. | | |
| **Condition:** Seen after a reload of standby with scaled IPSG clients (>1000) on a port | | |

| **Defect ID:** | DEFECT000640693 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** Medium |
| **Product:** Brocade FastIron OS | | **Technology Group:** Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.61 | **Technology:** ARP - Address Resolution Protocol |
| **Symptom:** Error messages corresponding to ARP and MRP show up on console during a failover of ICX 7150 stack | | |
| **Condition:** Failover of a ICX 7150 stack | | |

| **Defect ID:** | DEFECT000640894 | |
|---|---|---|
| **Technical Severity:** | High | **Probability:** High |
| **Product:** Brocade FastIron OS | | **Technology Group:** IP Multicast |
| **Reported In Release:** | FI 08.0.61 | **Technology:** IGMP - Internet Group Management Protocol |
| **Symptom:** After boot up "multicast router-port ethernet x/y/z" is missing from the configuration. | | |
| **Condition:** When device boots with "dual-mode" configuration under interface sub mode and "multicast router-port ethe x/y/z" configured under VLAN sub mode. | | |

**Workaround:** Once the device boots-up, reconfigure command "multicast router-port ethe x/y/z".

| Defect ID: | DEFECT000641382 | |
|---|---|---|
| Technical Severity: | High | Probability: High |
| Product: Brocade FastIron OS | | Technology Group: Stacking |
| Reported In Release: | FI 08.0.30 | Technology: Traditional Stacking |
| Symptom: Unexpected switch reload | | |
| Condition: Condition not known. | | |

| Defect ID: | DEFECT000641399 | |
|---|---|---|
| Technical Severity: | High | Probability: High |
| Product: Brocade FastIron OS | | Technology Group: Security |
| Reported In Release: | FI 08.0.61 | Technology: ACLs - Access Control Lists |
| Symptom: Member unit reloads upon configuring a scaled ACL consisting of more than 250 filters on default VLAN containing almost all ports of the system. | | |
| Condition: Configuring a scaled ACL consisting of more than 250 filters on default VLAN containing almost all ports of the system. | | |
| Workaround: Create the ACL with fewer filters and apply it to the default VLAN. Thereafter, add additional filters to the ACL individually. | | |

| Defect ID: | DEFECT000641759 | |
|---|---|---|
| Technical Severity: | High | Probability: High |
| Product: Brocade FastIron OS | | Technology Group: Layer 2 Switching |
| Reported In Release: | FI 08.0.61 | Technology: LAG - Link Aggregation Group |
| Symptom: After an ISSU upgrade or standby reload followed by switchover, dual-mode configuration on some of the LAG Interfaces get removed. | | |
| Condition: Observed when sFlow and Dual mode are configured in the system | | |

| Defect ID: | DEFECT000641947 | |
|---|---|---|
| Technical Severity: | Medium | Probability: High |
| Product: Brocade FastIron OS | | Technology Group: Monitoring |
| Reported In Release: | FI 08.0.61 | Technology: sFlow |

| Symptom: | sFlow is enabled by default on newly added ports of LAG Interface |
|---|---|
| Condition: | Seen when sFlow is already configured on some of the existing LAG ports |
| Workaround: | Add all ports to the LAG Interface and then selectively enable sFlow on ports where it is needed |

| Defect ID: | DEFECT000642164 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | Monitoring |
| Reported In Release: | FI 08.0.61 | Technology: | Hardware Monitoring |
| Symptom: | On the ICX7150 if LRM adapter is connected to it without the fiber cable connection on the LRM adapter's line side then on the ICX7150 side the port LED remains Up | | |
| Condition: | This issue happens on the ICX7150 when the LRM adapter is connected to ICX7150 without fiber cable connected to LRM adapter | | |

| Defect ID: | DEFECT000642165 | | |
|---|---|---|---|
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Monitoring |
| Reported In Release: | FI 08.0.61 | Technology: | Hardware Monitoring |
| Symptom: | When the ICX7150 with LRM adapter is connected to other device and the remote port is brought down then the ICX7150 port LED does not turn off | | |
| Condition: | This issue happens when ICX7150 using LRM adapter connects to remote port | | |

| Defect ID: | DEFECT000642234 | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.30 | Technology: | SSH - Secure Shell |
| Symptom: | SCP command to copy running-configuration does not copy complete running-configuration. | | |
| Condition: | SCP command is used to copy running-configuration of ICX device. | | |

| Defect ID: | DEFECT000642244 | | |
|---|---|---|---|
| Technical Severity: | Medium | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Security |

| Reported In Release: | FI 08.0.61 | Technology: IP Source Guard |
|---|---|---|

| Symptom: Some Source guard entries bound on a port do not get applied as expected with traffic |
|---|
| Condition: Issue is seen after a reload when the TCAM in Hardware is full |

| Defect ID: DEFECT000642580 | |
|---|---|
| Technical Severity: High | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Monitoring |
| Reported In Release: FI 08.0.61 | Technology: Hardware Monitoring |

| Symptom: This issue happens in the Switch port extender setup where ICX7450 is connected as a port extender. The LRM adapter is not supported on ICX7450. But if the user connects LRM adapter to ICX7450 working as a port extender and then the user issues "show media" CLI from control bridge then the LRM adapter is shown in the CLI output without information indicating that it is not supported |
|---|
| Condition: This issue happens in the Switch port extender setup where ICX7450 is connected as a port extender and the LRM afapter is connected to the ICX7450 port |

| Defect ID: DEFECT000643015 | |
|---|---|
| Technical Severity: Critical | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Management |
| Reported In Release: FI 08.0.61 | Technology: PoE/PoE+ - Power over Ethernet |

| Symptom: PoE Overdrive request from Ruckus R720 is not honored by ICX-7450 32ZP |
|---|
| Condition: The power request from R720 is not matching the requirement. Also this feature is not supported on the ICX 7450-32ZP in 8061. |

| Defect ID: DEFECT000643426 | |
|---|---|
| Technical Severity: High | Probability: High |
| Product: Brocade FastIron OS | Technology Group: Security |
| Reported In Release: FI 08.0.61 | Technology: ACLs - Access Control Lists |

| Symptom: Error message indicating acl hardware resource error is seen and some filters do not get programmed |
|---|
| Condition: When traffic policy ACL is already applied on the interface and ACL with accounting enabled is applied on interface. |
| Recovery: Remove traffic policies. Remove and add filters which are not programmed properly. |

| Defect ID: | DEFECT000643836 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Stacking |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | Traditional Stacking |
| **Symptom:** | On the ICX7450 stack setup where the 10 meter active QSFP cable is used for stacking link, sometime the stack port flap is observed where the stack port goes down and comes back up quickly. The issue is quite rare and seen only in some corner cases | | |
| **Condition:** | This issue is seen on ICX7450 stack where the 10 meter active QSFP cable is used for stacking over 40G stack ports. | | |

| Defect ID: | DEFECT000643853 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Traffic Management |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | Rate Limiting and Shaping |
| **Symptom:** | Multicast port dampening on 3 unit stack, unit 3 as standby is not working after un-configuring and re-configuring | | |
| **Condition:** | In a ICX7150 stack, stack unit 3 or higher is configured as standby unit. Multicast port dampening configured on standby unit is un-configured and re-configured. | | |

| Defect ID: | DEFECT000644033 | | |
|---|---|---|---|
| **Technical Severity:** | Medium | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Layer 2 Switching |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | xSTP - Spanning Tree Protocols |
| **Symptom:** | CPU is around 12% to 16% | | |
| **Condition:** | in scaled setup with 253 spanning tree instance | | |
| **Workaround:** | No workaround | | |
| **Recovery:** | No recovery | | |

| Defect ID: | DEFECT000644307 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | High |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Security |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | 802.1x Port-based Authentication |

| Symptom: | No LAG option for Webauth trust-port |
| --- | --- |
| Condition: | When configuring LAG interface as trust port, there is no option available |

| Defect ID: | DEFECT000644342 | | |
| --- | --- | --- | --- |
| Technical Severity: | Medium | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | SDN |
| Reported In Release: | FI 08.0.40 | Technology: | OpenFlow |
| Symptom: | The openflow response from ICX device has mismatched port id when compared to the request. | | |
| Condition: | Openflow request is received by ICX to create port group. | | |

| Defect ID: | DEFECT000644361 | | |
| --- | --- | --- | --- |
| Technical Severity: | High | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Stacking |
| Reported In Release: | FI 08.0.61 | Technology: | Stack Failover/Switchover |
| Symptom: | Stack reload needed for priority to take effect after multiple priority changes | | |
| Condition: | Observed with source guard configuration under vlan | | |
| Workaround: | Reload the stack for priority to take effect | | |

| Defect ID: | DEFECT000644390 | | |
| --- | --- | --- | --- |
| Technical Severity: | Medium | Probability: | High |
| Product: | Brocade FastIron OS | Technology Group: | Management |
| Reported In Release: | FI 08.0.61 | Technology: | LLDP - Link Layer Discovery Protocol |
| Symptom: | LLDP Advertised Capabilities does not include 2.5G speed | | |
| Condition: | The device with link established for 2.5G ports | | |

| Defect ID: | DEFECT000644476 | | |
| --- | --- | --- | --- |
| Technical Severity: | High | Probability: | Medium |
| Product: | Brocade FastIron OS | Technology Group: | Security |
| Reported In Release: | FI 08.0.61 | Technology: | ACLs - Access Control Lists |
| Symptom: | When UDLD is enabled, LACP enabled LAG interface can flap if large ACL is applied/deleted on it. | | |

| **Condition:** 1) UDLD must be enabled. |
|---|
| 2) LAG should contain ports from stack member units. |
| 3) ACL should contain more than 1000 filters. |

| **Workaround:** If UDLD is disabled this issue will not be seen. |
|---|
| **Recovery:** LAG interface will come back UP after the ACL programming is completed. |

| **Defect ID:** DEFECT000644517 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Security |
| **Reported In Release:** FI 08.0.61 | **Technology:** RADIUS |
| **Symptom:** Connecting ICX device using RADIUS over TLS secure connection fails. | |
| **Condition:** Establish TLS secure connection using RADIUS. | |

| **Defect ID:** DEFECT000645489 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Security |
| **Reported In Release:** FI 08.0.30 | **Technology:** 802.1x Port-based Authentication |
| **Symptom:** Unable to enforce the Voice vlan to be tagged on the ICX interfaces. | |
| **Condition:** 1. Configure tagged voice VLAN. | |
| 2. PC and Phone connected to the ICX interface never acquires an IP address. | |

| **Defect ID:** DEFECT000645597 | |
|---|---|
| **Technical Severity:** High | **Probability:** Medium |
| **Product:** Brocade FastIron OS | **Technology Group:** Security |
| **Reported In Release:** FI 08.0.61 | **Technology:** IP Source Guard |
| **Symptom:** A new filter added to an ACL which pertains to an IPSG entry which is earlier in the sequence order of IPSG entries bound does not get applied | |
| **Condition:** IPv4 Filter is added to an existing configured ACL after IPSG binding happens | |
| **Workaround:** Remove and reapply the ACL | |

| **Defect ID:** DEFECT000645640 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** SDN |

| Reported In Release: | FI 08.0.61 | Technology: OpenFlow |
|---|---|---|
| **Symptom:** When openflow L2 mode is enabled on a member unit port, ping to that port succeeds. Also ARP table is populated for the same. This causes the non openflow ports be able to send unicast traffic to the IP/MACs learnt (in ARP table) on openflow port. | | |
| **Condition:** 1) Openflow is enabled on the member unit port. 2) IP address is configured on openflow interface. 3) ARP should be resolved before sending the traffic. | | |
| **Workaround:** User can switch to L23 openflow mode as an alternative. | | |

| Defect ID: DEFECT000645681 | |
|---|---|
| **Technical Severity:** High | **Probability:** Medium |
| **Product:** Brocade FastIron OS | **Technology Group:** Stacking |
| **Reported In Release:** FI 08.0.61 | **Technology:** Mixed Stacking |
| **Symptom:** SPX standby unit is continuously crashing after performing upgrade from 8040b to 8061. | |
| **Condition:** Perform upgrade test and try to apply TFTP copy of the config before the standby is ready. This is a timing issue. | |
| **Workaround:** Check standby is in standby ready before applying the TFTP config | |
| **Recovery:** reload will recover if crash is observed. | |

| Defect ID: DEFECT000646147 | |
|---|---|
| **Technical Severity:** High | **Probability:** High |
| **Product:** Brocade FastIron OS | **Technology Group:** Management |
| **Reported In Release:** FI 08.0.61 | **Technology:** CLI - Command Line Interface |
| **Symptom:** When there are lot of ICX devices acting as DHCP clients(100+) present in the same broadcast domain, when multiple clients started Discovery at the same time, CPU usage on some of the ICX devices goes to 99%. In addition, they will not be able to acquire an IP address. | |
| **Condition:** When there are lot of ICX devices acting as DHCP clients(100+) present in the same broadcast domain. | |
| **Recovery:** Reload of the ICX device that encountered the problem. | |

| Defect ID: | DEFECT000646386 | | |
|---|---|---|---|
| **Technical Severity:** | High | **Probability:** | Medium |
| **Product:** | Brocade FastIron OS | **Technology Group:** | Layer 3 Routing/Network Layer |
| **Reported In Release:** | FI 08.0.61 | **Technology:** | DHCP - Dynamic Host Configuration Protocol |
| **Symptom:** | ICX device running Layer-2 Switch image, and acting as DHCP client, will not re-acquire an IP address if it receives the NACK message from the DHCP server during RE_BIND process. | | |
| **Condition:** | The condition under which we observed this issue is following:<br>1. Multiple address pools configured on the DHCP server.<br>2. The interface through which the DHCP client is connected is moved to a different address pool, before the DHCP client tried the RE_BINDing the IP address. | | |
| **Workaround:** | Do not change the IP address pool in such a way that you move an IP address that got leased already. | | |
| **Recovery:** | Disable and followed by re-enable the DHCP client, at the global level.<br><br>Syntax:<br>Config#  no ip dhcp-client enable<br>Config#  ip dhcp-client enable | | |