

FastIron 08.0.92dc for RUCKUS ICX Switches Release Notes Version 1

Supporting FastIron 08.0.92dc

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Document History

Version	Summary of changes	Publication date
FastIron 08.0.92dc for ICX Switches Version 1	Resolved issue	November 10, 2020
FastIron 08.0.92d for ICX Switches Version 1	Resolved issues	June 29, 2020
FastIron 08.0.92c for ICX Switches Version 1	Resolved issues	June 22, 2020
FastIron 08.0.92b for ICX Switches Version 2	Support was added for ICX Management in RUCKUS Cloud.	March 31, 2020
FastIron 08.0.92b for ICX Switches Version 1	Resolved issues	March 18, 2020
FastIron 08.0.92a for ICX Switches Version 1	<ul style="list-style-type: none">• New features• Qualification of an additional transceiver on the ICX 7850• Resolved issues	February 5, 2020
FastIron 08.0.92 for ICX Switches Version 1	<ul style="list-style-type: none">• Added support for the ICX 7150-C08PT• New features• Resolved issues	November 7, 2019

Introduction

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About FastIron Release 08.0.92

FastIron release 08.0.92 introduces Ruckus ICX 7150-C08PT to the ICX 7150 switch product line. The ICX 7150-C08PT provides 8 ports of 1GbE PoE, 2 ports of 1GE SFP uplinks, as well as an extended operating temperature range of -40 to 65C. The ICX 7150-C08P supports L2 switching features, and is designed for standalone operation and SmartZone manageability.

FastIron release 08.0.92 also introduces a number of enhancements, including Energy Efficient Ethernet (EEE) support on the ICX7150-C10ZP, ICX7150-48ZP and ICX7650-48ZP models, static IPv6 routes for BFD, and BFD support on the ICX 7850.

Document Feedback

RUCKUS is interested in improving its documentation and welcomes your comments and suggestions.

You can email your comments to RUCKUS at #Ruckus-Docs@commscope.com.

When contacting us, include the following information:

- Document title and release number
- Document part number (on the cover page)
- Page number (if appropriate)

For example:

- RUCKUS SmartZone Upgrade Guide, Release 5.0
- Part number: 800-71850-001 Rev A
- Page 7

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 the documentation by product or perform a text search. Access to Release Notes requires an active support contract and a RUCKUS Support Portal user account. Other technical documentation content is available without logging in to 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 products, visit the RUCKUS Training Portal at <https://training.ruckuswireless.com>.

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 products, and customers and partners with active support contracts.

For product support information and details on contacting the Support Team, go directly to the RUCKUS 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. Requests 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, Central and South America, and Asia Pacific, toll-free numbers are available at <https://support.ruckuswireless.com/contact-us> and Live Chat is also available.
- Worldwide toll number for our support organization. Phone charges will apply: +1-650-265-0903

We suggest that you keep a physical note of the appropriate support number in case you have an entire network outage.

Self-Service Resources

The RUCKUS Support Portal at <https://support.ruckuswireless.com> 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/#products_grid

- 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.

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Hardware

The following section lists new hardware introduced with this release.

New Ruckus ICX 7150 Switch

FastIron release 08.0.92 introduces the ICX 7150-C08PT to the Ruckus ICX 7150 Series Switches product line. The ICX 7150-C08PT supports the following:

- 8 ports of 1GbE PoE
- 2 ports of 1GE SFP uplinks
- Extended operating temperature range of -40 to 65C
- L2 switching features
- SmartZone manageability

Software Features

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

New Features in 08.0.92dc

There are no new features in FastIron 08.0.92dc.

New Features in 08.0.92d

There are no new features in FastIron 08.0.92d.

New Features in 08.0.92c

There are no new features in FastIron 08.0.92c.

ICX Management in Ruckus Cloud in 08.0.92b

Ruckus Cloud now supports the management of ICX switches, providing single pane of glass management across wired and wireless products. Refer to the Ruckus Cloud User Guide, Version 20.01 for details.

New in This Release

Software Features

Look for 'Ruckus Cloud Ready' on the switch label to determine if the switch is running the required firmware. If the switch label does not say Ruckus Cloud Ready, upgrade the switch firmware to at least 08.0.90d so that the switch can connect to Ruckus Cloud.

New Software Features in 08.0.92a

The following software features and enhancements are introduced in this release. Refer to the FastIron Features and Standards Support Matrix, available at www.ruckuswireless.com, for a detailed listing of feature and platform support.

Feature	Description
127-bit Subnet Mask Support on Point-to-Point Links over IPv6	127-bit subnet masks are supported on ICX devices running the full Layer 3 image. A 127-bit subnet mask can be assigned to point-to-point networks to conserve IPv6 address space.
BGP MD5 Encrypted Password and SNMP Encrypted Community Display	Removes the plain text display of passwords in show ip bgp and show ip ospf neighbor commands, and for SNMP encrypted community passwords. Passwords are instead displayed in MD5 format.
Lenient DHCPv6 Relay Support	Enables the DHCPv6 relay agent to accept DHCPv6 client packets with a broadcast MAC address.
Remove Pagination from MOTD Display	Removes the pagination applied on the MOTD banner message as it overlaps with the console login.
IP-Forward-MIB	The IP Forward MIB is used to fetch all the entries from the routing table using SNMP.
New support for an optic transceiver on the ICX 7850	The 100GBASE-ER4 LITE optic transceiver (E100G-QSFP28-ER4L) was released and qualified on the ICX 7850 platform.

New Software Features in 08.0.92

The following software features and enhancements are introduced in this release. Refer to the FastIron Features and Standards Support Matrix, available at www.ruckuswireless.com, for a detailed listing of feature and platform support.

Feature	Description
FQDN Support for Switch Registrar	An ICX device can receive a fully qualified domain name (FQDN) in response to a switch registrar query and use it to connect to ICX-Management on a SmartZone device. Previously, only IP addresses could be returned in response to a switch registrar query.
EEE Support on the ICX7150-C10ZP, ICX7150-48ZP, and ICX7650-48ZP	Support for Energy Efficient Ethernet is added to the ICX7150-C10ZP, ICX7150-48ZP and ICX7650-48ZP models.
Flexible Authentication: Radius assignment of special VLANs as dynamic VLANs	In single untagged mode, any of the special VLANs (restricted, critical, or guest) can be used as dynamic VLAN when assigned by RADIUS. As a result, a successfully authenticated user can coexist alongside other types of users (guest users, restricted users, and RADIUS timeout users) in the same VLAN. In earlier releases, this was not permitted and the authentication used to fail.
ICX source IP for SmartZone communication	The manager source-interface command is introduced for ICX-Management using SmartZone to allow you to specify an ICX source interface instead of the port that is automatically selected by the switch.
SNMP support for static route output interface	Added MIB object to display the outgoing interface of the static route.
SNMP support for the management VLAN	Added MIB object to display the management VLAN
Campus Fabric and LAG CLI command enhancements	The show spx and show lag commands were updated to display LAG information ordered by LAG ID.

Feature	Description
Command to Toggle all LED ON/OFF	The LED ON/OFF feature allows you to turn on all the port LEDs to display steady green, irrespective of the port status. When all the port LEDs are turned on to steady green, locating a specific device, a standalone unit, stacked unit, or PE unit, becomes easier.
MAC-based IGMP snooping on the ICX 7150-C08	Adds support for MAC-based IGMP snooping on the ICX 7150-C08 .
STP on default VLAN	This feature turns on the Spanning-Tree Protocol by default for the default VLAN for the router image.
PoE controller firmware update to 2.1.8	Support for high inrush PDs: ICX supports PDs that give high inrush, for up to 1 second from the time of powering. This would help PDs that are daisy chained and cause high inrush when each PD in the daisy chain gets powered Port power priority: When power is removed, higher numbered non-powered ports are considered first for shutdown followed by higher numbered powered ports of same user priority. This mechanism helps to keep the already powered ports alive as much as possible
BFD for IPV6 static routes	BFD for IPV6 static routes provides rapid detection of failure in the bidirectional forwarding path between BFD peers. BFD can be configured globally on IPV6 static routes.
BFD support on the ICX 7850	BFD is supported for ICX 7850 devices.

CLI Commands

The commands listed in this section were introduced, modified, or deprecated in FastIron 08.0.92.

New and Modified Commands for FastIron 08.0.92dc

There are no new or modified commands in 08.0.92dc.

New and Modified Commands for FastIron 08.0.92c

There are no new or modified commands in 08.0.92c.

New and Modified Commands for FastIron 08.0.92b

There are no new or modified commands in 08.0.92b.

New Commands for FastIron 08.0.92a

The following commands have been added (new for this release).

- **ipv6 dhcp-relay accept-broadcast**

Modified commands for FastIron 08.0.92a

The following commands have been modified for this release.

- **enable password-display**
- **ipv6 address**

New in This Release

CLI Commands

- **show ip bgp neighbors**
- **show ip ospf**
- **show snmp**

New Commands in 08.0.92

- **crypto generate**
- **ipv6 route bfd**
- **ipv6 route bfd holdover-interval**
- **manager active-list**
- **manager disable**
- **manager disconnect**
- **manager passive**
- **manager query**
- **manager registrar**
- **manager registrar-list**
- **manager registrar-query-restart**
- **manager reset**
- **manager source-interface**
- **ntp reset**
- **show ip http status**
- **show ip multicast group match-last-bits**
- **show ip multicast mac-mcache**
- **show ip multicast group match-last-bits**
- **show ipv6 multicast mac-mcache**
- **show ipv6 multicast group match-last-bits**
- **show ipv6 static bfd**
- **show mac-address debug-distributed**
- **show manager counters**
- **show manager log**
- **show manager sessions**
- **show manager status**
- **show manager status query**
- **show manager tcp connections**
- **verify device-key**

Modified Commands in 08.0.92

- **ipv6 route**
- **rebind-time (DHCPv6)**
- **renewal-time (DHCPv6)**

- preferred-lifetime (DHCPv6)
- valid-lifetime (DHCPv6)
- show ip igmp traffic
- show ip ospf interface
- show ip msdp peer
- show ip multicast mcache
- show ip multicast cluster mcache
- show ip pim error
- show ipv6 multicast mcache
- show ipv6 multicast cluster mcache
- show ipv6 static route
- show lag
- show running-config
- show spx
- show spx lag
- show spx pe-id
- show spx ring
- telnet timeout
- web-management

Deprecated Commands in 08.0.92

The following command has been deprecated in 08.0.92.

- spanning-tree rstp

Note that the **spanning-tree 802.1w** command is still supported and can be used to enable 802.1w RSTP.

RFCs and Standards

There are no newly supported RFCs or standards in release 08.0.92.

MIBs

No MIBs were added or changed in 08.0.92dc.

No MIBs were added or changed in 08.0.92c.

No MIBs were added or changed in 08.0.92b.

The following MIBs were updated in 08.0.92a:

- IP Forward MIB

The following MIBs were updated in 08.0.92:

- IP MIB

New in This Release

MIBs

- Switch Group Configuration

Hardware Support

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Supported Devices

The following devices are supported in release 08.0.92.

- ICX 7150 Series (ICX 7150-C08P, ICX 7150-C08PT, ICX 7150-C10ZP, ICX 7150-C12P, ICX 7150-24, ICX 7150-24F, 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 7650 Series (ICX 7650-48P, ICX 7650-48ZP, ICX 7650-48F)
- ICX 7750 Series (ICX 7750-26Q, ICX 7750-48C, ICX 7750-48F)
- ICX 7850 Series (ICX 7850-32Q, ICX 7850-48FS, ICX 7850-48F)

NOTE

While the ICX 7750 Series Switches were not supported in release 08.0.91, they are supported in release 08.0.92.

Default Username and Password

Note that new ICX switches that are initially deployed using 08.0.90 or later releases must be accessed using the following default local username and password:

- Default local username: super
- Default password: sp-admin

The default username and password apply to all forms of access including Console, SSH and Web. The administrator will be prompted to create a new password after logging in. ICX devices that are already deployed with a previous release and upgraded to 08.0.90 will not be affected by this change.

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 <https://www.commscope.com/globalassets/digizuite/61722-ds-ethernet-optics-family.pdf>.

NOTE

Optics and transceivers are being re-branded from Brocade to RUCKUS, which includes changes to labels and serial numbers.

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Image File Names

Download the following images from www.ruckuswireless.com.

The UFI (which was introduced in 08.0.80) consists of the application image, the boot code image, and the signature file, and can be downloaded in a single file.

Beginning with FastIron 08.0.90, any new ICX hardware platform (starting with the ICX 7850) will use only UFIs. Any systems upgraded from 08.0.70 or earlier releases directly to 08.0.90 manually or using the manifest file must be upgraded a second time using the UFI image. If the upgrade is from 08.0.80, then use the UFI image.

Device	UFI file name (boot, image)
ICX 7150	SPR08092dcufi.bin/SPS08092dcufi.bin
ICX 7250	SPR08092dcufi.bin/SPS08092dcufi.bin
ICX 7450	SPR08092dcufi.bin/SPS08092dcufi.bin
ICX 7650	TNR08092dcufi.bin/TNS08092dcufi.bin
ICX 7750	SWR08092dcufi.bin/SWS08092dcufi.bin
ICX 7850	TNR08092dcufi.bin

PoE Firmware Files

The following tables lists the PoE firmware file types supported in this release.

Device	Firmware version	File name
ICX 7150	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw
ICX 7250	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw
ICX 7450	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw
ICX 7550	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw
ICX 7650	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw

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.

Upgrade Information

Open Source and Third Party Code

NOTE

Please note the following recommendations and notices:

- Inline power is enabled by default as of FastIron release 08.0.70.
- As of FastIron release 08.0.70 **legacy-inline-power** configuration is disabled by default.
- Data link operation is decoupled from inline power by default as of FastIron release 08.0.70.
- Use the **[no] inline power** command to enable and disable POE on one or a range of ports.
- Data link operation is coupled with inline power using the command **inline power ethernet x/x/x couple-datalink** in Privileged EXEC mode or in interface configuration mode using the command **inline power couple-datalink**. The PoE behavior remains the same as in releases prior to 08.0.70 (08.0.30, 08.0.40, 08.0.50, 08.0.61).
- 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.
- The PoE microcontrollers are pre-programmed at the factory. The firmware can be loaded as an external file. 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, Ruckus Technical Support 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 Ruckus Technical Support.
- PoE firmware will auto upgrade to version 2.1.0 fw during the loading of FastIron Release 08.0.80. This auto upgrade of the PoE firmware will add approximately 10 minutes to the loading of FastIron Release 08.0.80 on ICX 7150, ICX 7250, ICX 7450, and ICX 7650 devices.

Open Source and Third Party Code

Ruckus FastIron software contains or references the following third-party or open source software.

Manufacturer	Third Party Software
InMon	Sflow
Broadcom Inc	SDK 6.5.13
open source S/W	u-boot 2011.09
open source S/W	u-boot 2015.01
open source S/W	u-boot 2016.01
open source S/W	Linux OS: <ul style="list-style-type: none">• ICX 7150, ICX 7250, ICX 7450: Linux 4.4• ICX 7650, ICX 7850: Linux 3.14.65• ICX 7750: Linux 2.6.34.6
Aquantia Inc	Aquantia phy driver AQR API 2.1.0
Aquantia	Aquantia phy drivers: <ul style="list-style-type: none">• ICX 7150: AQR 3.5.E• ICX 7450: AQR 2.C.5• ICX 7650: AQR 3.5.E
open source S/W	Parted utility
Broadcom Inc	Miura Phy driver 1.8
Broadcom Inc	EPDM driver 1.7.4

Manufacturer	Third Party Software
Spansion	Flash driver
http://www.bzip.org/	Bzip
http://www.hackersdelight.org/	Integer square root computation
GNU (http://www.gnu.org/)	LZMA SDK (compression method)
Freescale (NXP)	Software for PowerPC chip
Open Source SW	openssl_tpm_engine-0.4.2
Open Source SW	tpm-tools-1.3.8
Open Source SW	trousers-0.3.11.2
Infineon Technologies AG	ELTT_v1.3
Allegro Software	HTTP/HTTP-S, SSHv2
WindRiver	SNMPv1,v2c,v3; IPSecure
Interlink	Radius
SafeNet Sentinel RMS	Software Licensing Code - SafeNet Sentinel RMS
open source S/W	NSS 3.12.4 with NSPR 4.8
open source S/W	OpenSSL FIPS Object Module v2.0.5
open source S/W	OpenSSL crypto Ver 1.0.1e
GubuSoft	Javascript based tree display
GNU (The Regents of the University of California)	Syslog
BSD(The Regents of the University of California)	DNS Query/Resolution
BSD(The Regents of the University of California)	TimeZone Code (SNTP)
BSD(The Regents of the University of California)	Router Renumbering
BSD(The Regents of the University of California)	IPv6 defines
RouterWare Inc	TCP/IP stack, IPX, OSPFv2, TELNET, STP, LSL, TFTP client, BOOTP client and relay
IP Infusion	RIPng, OSPFv3, BGP4
open source S/W	libunwind
Wind River Systems, Inc.	Wind River MIB Compiler, version 10.2

Resolved Issues in Release 08.0.92dc

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.92dc.

Issue	
Symptom	7150 stuck in boot mode after power outage
Condition	Power outage
Workaround	None
Recovery	TFTP of FI image needs to be done from boot prompt at primary or secondary
Probability	
Found In	FI 08.0.70
Technology / Technology Group	System - System

Resolved Issues in Release 08.0.92d

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.92d.

Issue	FI-215607
Symptom	ICX 7150-C12P is deleted from Ruckus Cloud, when it tries to rejoin the Ruckus Cloud, it will not be able to connect.
Condition	Delete Switch and Readd the Switch to the Ruckus Cloud
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Resolved Issues in Release 08.0.92c

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.92c.

Issue	FI-208119
Symptom	"sh mem" displays high memory usage
Condition	Multiple iteration of snmpwalk to the ICX IF MIB creates memory leak
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-207928
Symptom	Unsupported CFM Trap is displayed in "sh snmp server" output.
Condition	Execute "sh snmp server"
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-206954
Symptom	If a route X is being injected into backbone area 0 by RTC1 or RTC2 (with same cost or diff cost) and got installed into the routing table, and if there is an SFP calculation, RTA and RTB might reset the route uptime back to 0.
Condition	When ever there is a change in the routes or SPF calculation is done. Issue is triggered. OSPF incorrectly update routing engine (RTM), where route entries uptime can get reset back to 0 if there is an SFP calculation being triggered.
Workaround	NA
Recovery	No recovery available with the existing code. With the fix issue is not seen.
Probability	
Found In	FI 08.0.30
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First

Issue	FI-209135
Symptom	While "lldp med network-policy ..." Command is applied on LAG member ports, the LLDP med network-policy configuration may be lost after system reloading.
Condition	The issue happens with LLDP med network-policy being configured on LAG member ports
Workaround	NA
Recovery	For LAG, LLDP config can only apply to LAG's ethernet member ports, but not to LAG interface. While LLDP med network-policy configuration is applied to LAG's member ports, running-config may generate the LLDP config port list with both LAG's member ports and LAG interface; as a result, with system reloading, LLDP med network-policy running-config replay may fail because the generated LAG interface is not accepted. The fix is to add checking logic to skip the LAG interface during LLDP med network-policy running-config generation.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-212293
Symptom	"Error: OID not increasing" is displayed while snmp walk for the ACL OIDs (1.3.6.1.4.1.1991.1.2.2.15.2.1.1 and 1.3.6.1.4.1.1991.1.2.2.15.2)
Condition	SNMP error is thrown when adding an ACL rule with sequence number less than the already existing rule's sequence number for that ACL.
Workaround	Reload the ICX device
Recovery	Reload the ICX device
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Other - Other

Issue	FI-207339
Symptom	Port showing up in ICX7650-48F on insertion of 1G M-TX(SFP) to a fibre port without cable or end device connected
Condition	Insert 1G M-TX(SFP) in ICX7650-48F without cable or end device connected
Workaround	Admin disable/enable of port
Recovery	Admin disable/enable of port
Probability	High
Found In	FI 08.0.91
Technology / Technology Group	System - System

Issue	FI-211189
Symptom	Added support for "debug ip ssh"
Condition	Added support for "debug ip ssh"
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.70 FI 08.0.90
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-212669
Symptom	One of the port in dynamic LAG will not come up post reload with gig-default neg-off configured.
Condition	1. Create dynamic LAG with ports that have gig-default neg-off configured. 2. After reload, one of the port will not come up.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.70 FI 08.0.90 FI 08.0.92
Technology / Technology Group	System - Optics

Issue	FI-212770
Symptom	IPG value of the interfaces displays as 0
Condition	Execute "show interface" command in ICX devices.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.70 FI 08.0.90
Technology / Technology Group	System - CLI

Issue	FI-211898
Symptom	Sometimes SSH client session got terminated as soon as user logged in
Condition	The cause is sometimes the SSH connection state machine initial state was not properly set, which caused SSH client session being logged into wrong state and terminated.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-208931
Symptom	When ICX Telnet server source interface is assigned by 'ip telnet source-interface ...' command, SZ's ICX config backup feature will not work
Condition	SZ's ICX config backup feature uses reverse SSH TCP forward to Telnet to local host 127.0.0.1:23. With ICX Telnet server source interface configured, telnet to local host 127.0.0.1:23 will miss the ICX Telnet server listener and thus failed. Added fix to allow reverse SSH TCP forward Telnet local host 127.0.0.1:23 being accepted always.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-208289
Symptom	QSFP Links are not correctly detected and "show media" provides incorrect information.
Condition	1. Upgrade the ICX device to 8090 release and reload. 2. Another way to hit this problem is repeated fast plug-in and plug-out of QSFP
Workaround	NONE
Recovery	NONE
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	System - Optics

Issue	FI-201618
Symptom	standby unit reboot on ARP sync from master
Condition	ARP sync from master to standby on the stack environment
Workaround	
Recovery	
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Other - Other

Issue	FI-211141
Symptom	When SSL-Based RADIUS-authentication is enabled and the server is not reachable, the user will not be able to access the ICX device.
Condition	SSL-Based RADIUS Authentication is enabled and the RADIUS-server does not respond to authentication request.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Management - AAA

Issue	FI-209852
Symptom	Added a CLI command to turn off alarm and warning syslogs generated for optical monitoring enabled on down ports
Condition	1. Enable optical monitoring for down port 2. Warn and alarm syslog generated when there is a power change.
Workaround	
Recovery	
Probability	Medium
Found In	FI 08.0.92
Technology / Technology Group	Monitoring - Syslog

Issue	FI-214152
Symptom	In show running-config command's O/P the IP ACL entries were correct, but the display was not indented correctly
Condition	Step 1: configure IP ACL with some entries Step 2: Apply command: show running-config
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-211026
Symptom	ICX DHCP Client will keep downloading the configuration file from the TFTP server.
Condition	When DHCP Auto-Provisioning is enabled and dynamic IP address configuration is there in the config file, the ICX DHCP Client will keep downloading the config file from the TFTP server.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Management - DHCP (IPv4)

Resolved Issues in Release 08.0.92b

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.92b.

Issue	FI-208376
Symptom	Will not be able to configure BUM logging/port-dampening commands under multiple interface mode.
Condition	BUM logging/port-dampening commands under multiple interface mode
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-207772
Symptom	After a reload there will be a mismatch between lag interface and member ports gig-default mode value, because of which lag becomes inactive.
Condition	Add ports which have GIG default mode configuration into the LAG. After a reload, LAG will be down.
Workaround	
Recovery	None
Probability	High
Found In	FI 08.0.70 FI 08.0.90
Technology / Technology Group	System - CLI

Issue	FI-210235
Symptom	Ruckus AP R730 downshifts to 1G or 100M when connected to ICX7150-48ZP.
Condition	When the port in ICX7150-48ZP connected to R730 AP is flapped, the port speed changes to 1G or 100M.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90 FI 08.0.92
Technology / Technology Group	System - System

Issue	FI-209994
Symptom	ICX crash while register with vSZ server
Condition	vSZ server configured 8 IP addresses in active IP list
Workaround	vSZ server configures less than 4 IP addresses in active IP list
Recovery	Increase ICX active IP list max IP number from 4 to 8, and add crashing prevention logic.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Cloud Management - Switch Registrar/Tunnel Aggregator

Resolved Issues in Release 08.0.92a

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.92a.

Issue	FI-207596
Symptom	Connectivity issues and unicast L2 traffic will be flooded in the network.
Condition	Port is moved from an MSTI VLAN into CIST.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90 FI 08.0.91
Technology / Technology Group	

Issue	FI-206986
Symptom	SmartZone Backup does not work with telnet command on configuration.
Condition	When 'telnet server enable vlan x' is configured, SZ config backup feature is not working.
Workaround	Remove the configuration, 'telnet server enable vlan x'.
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-206570
Symptom	seeing excessive DHCP snooping syslog on DHCP snooping trusted port
Condition	DHCP snooping syslog was added, whenever DHCP ACK message is received on the trusted port with valid IP address the server is offering
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Security

Issue	FI-206562
Symptom	The dhcpv6 server configuration is not available in the show running configuration after reload.
Condition	Steps to Reproduce : 1) Load 8092a latest image. 2) Configure ipv6 dhcp-server as below <pre>ipv6 dhcp-server enable preferred-lifetime 2500 pool dhcp6_pool subnet6 2000::/64 range6 2000::/64 ! subnet6 1000::/64 range6 1000::/64 3) Save the configuration and reload the device. 4) Verify the running configuration.</pre>
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-206214
Symptom	SFLOW Counter samples does not have proper values and contain only zeros
Condition	1.Write-Mem and reload 2.Counter Samples from non-active unit
Workaround	SFLOW disable and re-enable
Recovery	SFLOW disable and re-enable
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Monitoring - sFlow

Issue	FI-204830
Symptom	SFLOW counter samples are not received.
Condition	SFLOW configuration save and re-load
Workaround	Disable and re-enable SFLOW
Recovery	Disable and re-enable SFLOW
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Monitoring - sFlow

Issue	FI-204883
Symptom	neighbor count is incremented by one whenever the router-id is removed/modified
Condition	Neighbor count in FULL state is updated for every Router ID update for neighbors. Sometimes this count becomes more than total number of neighbors
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70 FI 08.0.90 FI 08.0.91
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First

Issue	FI-197864
Symptom	This issue can be caused by the UBIFS errors and re-formatting as follows. UBIFS error (ubi0:0 pid 566): ubifs_recover_leb: corrupt empty space LEB 3:12288, corruption starts at 1009713 UBIFS error (ubi0:0 pid 566): ubifs_scanned_corruption: corruption at LEB 3:1022001 UBIFS error (ubi0:0 pid 566): ubifs_scanned_corruption: first 8192 bytes from LEB 3:1022001 UBIFS error (ubi0:0 pid 566): ubifs_recover_leb: LEB 3 scanning failed mount: mounting ubi0:config on / fast_iron failed: Structure needs cleaning Mounting Config partition failed, non-recoverable file system corruption Reformatting the flash, please download config and keys again ... Formatting Done
Condition	This is a NAND flash HW (ECC) error, and this can occur at random at boot.
Workaround	There is no workaround.
Recovery	
Probability	
Found In	FI 08.0.60
Technology / Technology Group	System - System

Issue	FI-184515
Symptom	ARP learning for peer MCT device is learnt on CCEP port instead of ICL Port.
Condition	When a port in stack member unit is removed from LAG, the trunk table of active and member unit are not same.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.30
Technology / Technology Group	Layer 2 - Link Aggregation

Issue	FI-184970
Symptom	sFlow samples which are coming from non-active unit ports are not received at sFlow collector.
Condition	It happens when, sFlow forwarding is enabled in non-active unit ports and sFlow collector is reachable through static lag.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.70 FI 08.0.61 FI 08.0.80
Technology / Technology Group	Monitoring - sFlow

Issue	FI-186664
Symptom	Rarely CB got rebooted in SPX setup.
Condition	At rare circumstance, CB on SPX setup resets without user intervention.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.61
Technology / Technology Group	Stacking - Stack Failover/Switchover

Issue	FI-186693
Symptom	Ping from one device to another device present in same vlan is not successful.
Condition	1. Perform stack switch-over followed by write memory and Reload. 2. Ping from one device to the other device.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.61
Technology / Technology Group	

Resolved Issues in Release 08.0.92a

Issue	FI-188985
Symptom	On a reload, the ICX device loses configuration for some applications. So, the configuration will not take effect in those applications.
Condition	This happens when the ICX device reloads when its configuration has Management VLAN along with other applications' configuration.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.80
Technology / Technology Group	

Issue	FI-205255
Symptom	ICX device crash on bootup.
Condition	Device crash due to device certificate load. Issue happened due to fetching of non existent file from flash, which was due to incorrect file path used while opening the file
Workaround	NA
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management - Software Installation and Upgrade

Issue	FI-203846
Symptom	On rare scenarios, user may see switch IP address as 0.0.0.0 in Alto UI
Condition	In the initial phase, when ICX switch connects to the Alto cloud
Workaround	Not Applicable
Recovery	Not Applicable
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-204976
Symptom	After any configuration pushed from SZ, the originally "single-" option under config prompt gets replaced with per-VLAN STP options.
Condition	Any configuration pushed from SZ will trigger this issue.
Workaround	Save the configuration and then reload the system.
Recovery	Save the configuration and then reload the system.
Probability	
Found In	FI 08.0.90 FI 08.0.92
Technology / Technology Group	

Issue	FI-204399
Symptom	The console login prompt overlaps with the longer MOTD message configured.
Condition	
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-203688
Symptom	10 G port ICX7150-C12 is not coming up when connected to ICX7150-C08P via 1Gig SFP
Condition	Connect 10 G port of ICX7150-C12 to 1G port of ICX7150-C08P with 1G SFP
Workaround	
Recovery	None
Probability	Low
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-202279
Symptom	Unexpected reload will be observed when SZ disconnect command is invoked.
Condition	Invoke SZ disconnect command from console.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.91
Technology / Technology Group	Other - Other

Issue	FI-202974
Symptom	No warning message is displayed when Deny Acl drops the traffic.
Condition	Configure Deny ACL to drop traffic from a particular host via SNMP. When the deny ACL is hit, the warning message is not displayed.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-203359
Symptom	Password is displayed as plain text on configuring "password display"
Condition	"show ip bgp neigh" displays the password as plain text
Workaround	
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-202303
Symptom	Occasionally ICX might unexpectedly reload while executing CLI "show snmp engineid".
Condition	1. When SNMP engine UP time is more than a day 2. Invoke CLI "show snmp engineid".
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-200759
Symptom	DHCP packets are dropped at the ICX which operate as DHCP-Relay
Condition	DHCP-Relay and DHCP-Server are enabled in ICX with no address pool configuration.
Workaround	If there are no address-pool, the DHCP-Server configuration can be removed.
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-200719
Symptom	OSPF adjacency will not form when MD5 authentication and KEYCHAIN is enabled.
Condition	Configure KEYCHAIN and MD5 authentication. Ospf adjacency will fail.
Workaround	
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First

Issue	FI-200159
Symptom	The switch gets into boot cycle when the image in USB and the flash version are the same.
Condition	1. Have an ICX7150 with 8091 image 2. Have a USB drive with the system-files plugged in into the ICX7150 3. Reboot the ICX7150 4. The Switch will go into a boot cycle flashing the image.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-198271
Symptom	BUM Suppression configuration get applied even though Insufficient Hardware resource Error is thrown.
Condition	No available TCAM Resource.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-190564
Symptom	RSTP may flap occurs due to high CPU utilization while supportsave execution is in progress.
Condition	Executing supportsave command occasionally causes RSTP flap.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.61
Technology / Technology Group	System - System

Issue	FI-198991
Symptom	When ICX is connected with SZ, outbound SCP SSH connection will fail occasionally.
Condition	Invoke SCP or SSH connection when SZ is connected.
Workaround	Retry the SSH or SCP connection
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Cloud Management - SSH

Resolved Issues in Release 08.0.92a

Issue	FI-190519
Symptom	Access points show offline on virtual smart zone when the ICX reboots when it is connected in 2.5 GBPS port.
Condition	When ICX is connected with virtual smart zone on 2.5GBPS port.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.70
Technology / Technology Group	System - System

Issue	FI-198474
Symptom	Port utilization Receive and Transmit Peak values are displayed more than 100% while checking through web-management.
Condition	Device statistics are read by accessing the device through web-management.
Workaround	-
Recovery	-
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management - Web Management

Issue	FI-197681
Symptom	owner configuration under VRRP instance cannot be removed by running "no owner" command. Owner configuration will be retained.
Condition	This can be seen when 'no owner' is done under vrrp instance
Workaround	There is no need of removing the owner configuration. if required it can be modified by setting it to backup mode. The role of vrrp instance can either be owner or backup.
Recovery	Recovery is not applicable here. This has no functionality impact.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Layer 3 Routing/Network Layer - VRRPv3 - Virtual Router Redundancy Protocol Version 3

Issue	FI-198736
Symptom	Some license files or configuration files are missing after the filesystem corruption happens.
Condition	This occurs when the filesystem is corrupted and the system is recovered.
Workaround	There is no workaround.
Recovery	Re-installing the missing license files and re-creating the startup configuration.
Probability	Low
Found In	FI 08.0.70 FI 08.0.61 FI 08.0.80 FI 08.0.90 FI 08.0.91
Technology / Technology Group	System - System

Issue	FI-198729
Symptom	Some daemon processes (some applications running at background for services) are not stopped automatically at shutdown.
Condition	This occurs every time the device reloads.
Workaround	There is no workaround.
Recovery	The system forcefully stop those processes (applications) to reload in the end.
Probability	High
Found In	FI 08.0.70 FI 08.0.61 FI 08.0.80 FI 08.0.90 FI 08.0.91
Technology / Technology Group	System - System

Issue	FI-198247
Symptom	Image copy might fail to PE via USB UFI upgrade.
Condition	
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	System - System

Issue	FI-197396
Symptom	On ICX device, web authentication will fail when username and password length is given more than 32 characters.
Condition	When user enters credentials more than 32 characters for web authentication it will fail.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-197382
Symptom	Unexpected reboot on removing lag config
Condition	In MCT setup, issue "no lag <lag-id>" command to remove lag config
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.61
Technology / Technology Group	Layer 2 Switching - LAG - Link Aggregation Group

Resolved Issues in Release 08.0.92a

Issue	FI-189446
Symptom	On rare circumstances, member unit of stack reboots unexpectedly.
Condition	It happens due to race condition occurs in message queue which is system internal component.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.61
Technology / Technology Group	Stacking - Stack Failover/Switchover

Issue	FI-194710
Symptom	BPDU loop causes high CPU in MSTP.
Condition	When RSTP is configured on ICX setup, where ICX receives MSTP packets from peer device.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.70
Technology / Technology Group	Layer 2 - Link Aggregation

Issue	FI-195163
Symptom	Stack system's Active Unit might reload while establishing SSH Inbound session.
Condition	unexpected reload will be observed during SSH login to ICX box when the ICX box connecting and disconnecting to SZ (SmartZone) IP Addresss continuously.
Workaround	Device can be access via Telnet sessions
Recovery	Device will reboot
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management - SSH2 & SCP - Secure Shell & Copy

Resolved Issues in Release 08.0.92

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.92.

Issue	FI-204085
Symptom	During stack switchover active unit system resets when we have uRPF and IPv6 static route with NULL0 nexthop interface configured.
Condition	When uRPF is enabled globally and IPv6 static route with NULL0 nexthop interface is configured, system reset is seen during stack switchover.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-203688
Symptom	10 G port ICX7150-C12 is not coming up when connected to ICX7150-C08P via 1Gig SFP
Condition	Connect 10 G port of ICX7150-C12 to 1G port of ICX7150-C08P with 1G SFP
Workaround	
Recovery	None
Probability	Low
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-202974
Symptom	No warning message is displayed when Deny Acl drops the traffic.
Condition	Configure Deny ACL to drop traffic from a particular host via SNMP. When the deny ACL is hit, the warning message is not displayed.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-203554
Symptom	ICX sends PIM Join/Prune messages with prefix set to 32 for IPv6 SSM group addresses.
Condition	When ICX device is configured with IPv6 SSM group addresses, it sends PIM Join/Prune messages with prefix set to 32 instead of 128. As a result, the client would not join/prune.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-203345
Symptom	IPC error message is printed when one of the stack member unit freeze during stack formation.
Condition	One of the unit in a stack freeze during stack formation.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Stacking - Stack Management

Issue	FI-202441
Symptom	Power flaps on Igor Rev 5 PDs when connected to PoE+ ports
Condition	When more than two Igor Rev 5 PDs are connected in a daisy chain to ICX Switch
Workaround	Use 100M cable between each Igor Rev 5 PDs when daisy chaining them or use PoH ports on the ICX to connect the daisy chain
Recovery	No recovery
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-202215
Symptom	The interface configuration "ip ospf active" is not taking precedence over the global configuration "default-passive-interface".
Condition	If "default-passive-interface" is configured under "router ospf" after "ip ospf active" is configured on the interface, then the interface is incorrectly placed in the passive mode.
Workaround	Configure "no ip ospf active" followed by "ip ospf active" on the interface.
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First

Issue	FI-201629
Symptom	Adding the second DC power supply causes the ICX device to reload.
Condition	When the ICX device is running with one DC power supply, inserting another DC or AC power supply causes the device to be reloaded.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.80
Technology / Technology Group	Other - Other

Issue	FI-202004
Symptom	ICX7750 port LEDs do not light up when upgraded to 8090c.
Condition	This symptom is seen after the switch is upgraded to 8090c release.
Workaround	Switch can be downgraded to 8090b.
Recovery	Switch can be downgraded to 8090b.
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	System - Optics

Issue	FI-202035
Symptom	Unexpected reload of the ICX device is seen when nslookup command is invoked through SSH session.
Condition	1. Configure Ipv6 DNS server 2. Call nslookup from SSH Session
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90 FI 08.0.91
Technology / Technology Group	Layer 3 Routing/Network Layer - DNS - Domain Name System

Issue	FI-201895
Symptom	Openflow command is accepted on LAG interface which is not supported.
Condition	Apply open flow command on LAG interface and it is accepted without any error.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Other - Other

Issue	FI-201881
Symptom	"Invalid port" error is thrown in the ICX device for a non-existent interface.
Condition	1. Configure sflow in an interface 2. Make the interface invalid by removing the corresponding module 3. write mem and re-load
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Management - sFlow

Issue	FI-200698
Symptom	A stack can see two Active switches under certain conditions.
Condition	When an active unit resets, the standby unit takes over and becomes the new active controller. The old active comes back as an active controller, but it will be reset by the new active controller to come up as a member. (A stack system can have only one active controller.) The problem is that it takes more than one minute for the new active controller to reset the old active controller. The data ports of the old unit have come up. Then other devices that has link aggregation (LAG) to the ports of both units will messed up because the old unit will soon be reloaded.
Workaround	The issue eventually recovers after the old active controller is reloaded again. However, this cause traffic interruption for the transit period.
Recovery	None
Probability	Low
Found In	FI 08.0.80 FI 08.0.90 FI 08.0.91
Technology / Technology Group	Stacking - Stack Management

Issue	FI-200759
Symptom	DHCP packets are dropped at the ICX which operate as DHCP-Relay
Condition	DHCP-Relay and DHCP-Server are enabled in ICX with no address pool configuration.
Workaround	If there are no address-pool, the DHCP-Server configuration can be removed.
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-201269
Symptom	Unexpected reload is seen when fitrace is issued through ssh
Condition	Invoke the below mentioned fitrace commands from a SSH session fitrace reset fitrace rate-limiting dis fitrace max unlimited fitrace destination terminal fitrace modules szagt_debug all level 1,2,3,4,5 fitrace modules ssh all level 1,2,3,4,5
Workaround	
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-200763
Symptom	ICX does not re-authenticate the clients under certain rare conditions.
Condition	When the MAC address moves from port to port, MAC authentication also needs to be re-tried.
Workaround	None
Recovery	Issue 'clear auth session' to trigger the re-authentication.
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Security - MAC Port-based Authentication

Issue	FI-201171
Symptom	ICX devices running as CB unit in SPX setup goes for unexpected reload.
Condition	When the ACL filter is modified/duplicated, ICX devices running as CB unit in SPX setup goes for unexpected reload.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-201109
Symptom	The phone session gets cleared around every minute with the error message "[Termination-cause: Phone-Toggle]".
Condition	Phone session is constantly cleared with Mac-filter override for 802.1x port is configured.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70 FI 08.0.90
Technology / Technology Group	Security - 802.1x Port-based Authentication

Issue	FI-200747
Symptom	In ICX7850 devices, the transfer rate is only around 1 Gbits/sec on 10 Gig interfaces.
Condition	When connected to the devices which sends out huge traffic without congestion control, the ICX7850 device's traffic rate is lowered.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-200094
Symptom	ICX reports PD Detection Fault log and CLI command "show inline power debug-info <port>" output shows 0x1E Underload State.
Condition	Legacy Samsung phone is being connected on PoE port rarely goes to underload state.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.60 FI 08.0.90
Technology / Technology Group	System - System

Resolved Issues in Release 08.0.92

Issue	FI-200719
Symptom	OSPF adjacency will not form when MD5 authentication and KEYCHAIN is enabled.
Condition	Configure KEYCHAIN and MD5 authentication. Ospf adjacency will fail.
Workaround	
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First

Issue	FI-199095
Symptom	After "stack switchover", if "enable" typed on new-active console within 10 seconds, then first time config/unconfig/clear doesn't sync to standby, all clis throw error
Condition	enter CLI commands enable commands immediately after the switchover command.
Workaround	Wait for more than 10 sec or more before enter any commands after switchover.
Recovery	Wait for more than 10 sec or more before enter any commands after switchover.
Probability	
Found In	FI 08.0.91
Technology / Technology Group	Stacking - Traditional Stacking

Issue	FI-198207
Symptom	ICX DHCPv6 server not assigning ipv6 address to the client when running with Switch image.
Condition	When stack MAC other than Active unit's MAC is configured in ICX DHCPv6 server running with switch image, the clients are assigned with IPv6 address.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management - DHCP (IPv6)

Issue	FI-200553
Symptom	IGMP join messages that are initiated by the client are not reflected in the IGMP tables.
Condition	When the client application is leaving a group and joining another group and if it is sending IGMP join messages that are initiated by the client (not as a response to a query) are not reflected in the IGMP tables.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70
Technology / Technology Group	IP Multicast - IGMP - Internet Group Management Protocol

Issue	FI-196017
Symptom	In ICX7450, the link fault signalling is not working in 10G port.
Condition	When ICX7450 devices are connected through 10G ports, if Rx cable of one of the devices is removed, the other side port status is still shown as Up though link fault signalling is configured.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70 FI 08.0.80
Technology / Technology Group	System - Optics

Issue	FI-196102
Symptom	POE devices losing power during simulated redundant PS failure even though allocated power at failure is <740 watts
Condition	Have a redundant power source and make sure power drawn from ports. Make the redundant source to power down.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.61
Technology / Technology Group	

Issue	FI-198548
Symptom	ICX device might experience NTP Synchronization error occasionally when the server is not reachable.
Condition	When there is NTP synchronization error and the ICX device is not able to recover by itself, invoke the new NTP reset CLI.
Workaround	Stack Switch-over
Recovery	None
Probability	Low
Found In	FI 08.0.70
Technology / Technology Group	Management - NTP - Network Time Protocol

Issue	FI-199944
Symptom	LLDP will not work. Link level peer system detection will not work.
Condition	When peer system uses destination MAC addresses 0180.c200.0000 or 0180.c200.0003 for sending LLDP packets, ICX system will not detect these packets as LLDP packets.
Workaround	None at ICX.
Recovery	None
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-199642
Symptom	PoE power flaps for some of the ports
Condition	When there is link down on multiple ports where PDs are not there.
Workaround	Disable Non-PD detection using "no inline power non-pd-detection enable"
Recovery	Power recovers automatically.
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-200159
Symptom	The switch gets into boot cycle when the image in USB and the flash version are the same.
Condition	1.Have an ICX7150 with 8091 image 2.Have a USB drive with the system-files plugged in into the ICX7150 3.Reboot the ICX7150 4.The Switch will go into a boot cycle flashing the image.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-200346
Symptom	The next-bootstrap-server option config is not allowed.
Condition	When configuring the next-bootstrap-server feature, the error "Error: Configured option <54> is default/unsupported" is thrown.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-200299
Symptom	UDP ports 2068 to 2090 are seen as OPEN when connected via console/telnet/ssh
Condition	When scanning for UDP ports using tools like netcat, the ports 2068 to 2090 are seen as OPEN when connected via Console/Telnet/SSH
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Cloud Management - DNS

Issue	FI-177848
Symptom	This problem happens in a scaled scenario where we have either exhausted the TCAM or adding a new filter to an ACL used for a PBR route-map will result in exhausting the TCAM resource. In this scenario, user does not get an error when adding a filter to the ACL which is used in PBR route-map. But the new filter does not get reflected in the TCAM as TCAM resource is exhausted. This applies to ACLs that are used in PBRv4 as well as PBRv6 route-maps.
Condition	Adding a filter in ACL which is used by PBR/PBRv6, when TCAM resource are exhausted or in the verge of getting exhausted.
Workaround	No workaround.
Recovery	User can add new filter after freeing up some TCAM space by deleting some existing ACL rules. The ACL rules that need to be freed up can be across any ACLs in the system and not just the ones used for PBR route-maps.
Probability	
Found In	
Technology / Technology Group	

Issue	FI-199873
Symptom	Multicast application traffic works for 40 seconds then it stops for 20 seconds before returning for 40 seconds and so on.
Condition	1. Have multicast routing traffic 2. mchce entry might get deleted before subsequent packet can come after the first packet
Workaround	1. Add static igmp-group for all 6 groups under ve2267 2. change the PIM timers to less than default timer of 60s (e.g. to 30 sec)
Recovery	
Probability	
Found In	FI 08.0.30 FI 08.0.90
Technology / Technology Group	

Issue	FI-198638
Symptom	In the ICX devices running with 8090x or later code, the memory leak might be seen when it is connected to SmartZone.
Condition	Memory leaks are seen when ICX is connected to SmartZone.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-197860
Symptom	In ICX7150, show media displays 1G - 1m Twinax cable as not supported.
Condition	When 1G-1m Twinax cable is used in ICX7150, "show media" could display as not supported. But the media works fine and links up.
Workaround	Ignore the message. The media still works
Recovery	No recovery needed. No functional impact.
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-196776
Symptom	User may not see advertised capabilities in ICX7150-C10ZP for the CLI: show lldp local-info
Condition	When user issues a command show lldp local-info on C10ZP, the advertised capabilities of the port may not be displayed.
Workaround	No workaround available
Recovery	No recovery needed, since the autoneg works fine. It is only a display issue.
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-198355
Symptom	For poe show commands, if invalid port number is given, the command is silently discarded without printing any error.
Condition	Descriptive error message is not printed.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-199314
Symptom	Management port not forwarding packets more than 1500 bytes when system has Jumbo packets enabled in any of the forwarding ports.
Condition	MTU size greater than 1500 in Management port
Workaround	Disable Jumbo packets if Management port needs to fragment packets more than 1500 bytes
Recovery	Packet size in the management plane should be restricted within the supported 1500 bytes
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-198291
Symptom	On failover of Active, the rconsole of PE return to its local session.
Condition	Failover of a two unit stack with PE connected to standby
Workaround	NA
Recovery	Do a rconsole to active from PE.
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-198851
Symptom	Incoming traffic from IPSG Client IP's on ICX switch/router will not be honored if and only if the IP's learnt are from the Standby unit port where IPSG is enabled on physical or plain interface.
Condition	On ICX Switch/Router Enable IPSG on Standby unit physical port.
Workaround	
Recovery	No Recovery.
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-199245
Symptom	High CPU followed by watchdog timeout and crash will be observed in SPX CB units.
Condition	Issue happens only on CB units with large number of ports in default VLAN when STP is disabled in the default VLAN.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-198271
Symptom	BUM Suppression configuration get applied even though Insufficient Hardware resource Error is thrown.
Condition	No available TCAM Resource.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-194591
Symptom	When SmartZone is reachable through a management-vrf, ICX is not able to establish a session with SmartZone. SmartZone will be unable to monitor the ICX device. The following Syslog will be seen on the ICX when trying to connect to SmartZone - Feb 12 10:55:46:1:SZAgent: SZ Query to <SZ-IP> Failed. Reason: HTTPS Connection Error
Condition	Seen in images FI 08.0.80 and above, when SmartZone is reachable through the management-vrf and management-vrf is configured similar to the example below - interface management 1 vrf forwarding test no ip dhcp-client enable ip address <IP> <SubnetMask> !
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-198991
Symptom	When ICX is connected with SZ, outbound SCP SSH connection will fail occasionally.
Condition	Invoke SCP or SSH connection when SZ is connected.
Workaround	Retry the SSH or SCP connection
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Cloud Management - SSH

Issue	FI-199243
Symptom	Ping failed between member and active after removing link from ring topology
Condition	Problem description: When a 7150 stack unit is converted from Ring to Linear using CLI "no multi-stack-trunk or no multi-stack-port", communication between the units may fail and user may experience drop while traffic flowing across the stack. The problem can be seen in "show stack connection" output where "*** Error! only one directional CPU to CPU:" will be seen if the problem occurs. ICX7150-48P Router# show stack connection active standby +----+ +----+ +-+ 5 3/1--3/1 1 3/3--3/2 4 +----+ +----+ +----+ probe results: 2 links, P0/1: stk-port dir 0/1, T0/1: stack-trunk dir 0/1 Link 1: u1 -- u5, num=1 1: 1/3/1 (P0) <---> 5/3/1 (P0) Link 2: u1 -- u4, num=1 1: 1/3/3 (P1) <---> 4/3/2 (P0) *** Error! only one directional CPU to CPU: u4 --> u1 This issue can be seen in two scenario's: Ø Scenario 1: o If the link is unconfigured using "no multi-stack-port" in the stack. Ø Scenario 2: o If the link is unconfigured using "no multi-stack-trunk" in the stack for the stack trunk links.
Workaround	Avoiding issue: Ø To avoid this issue, User can convert the stack from "Ring" to "Linear" topology by removing the stack link physically. Ø Remove the stack configuration from running configuration
Recovery	Recovery issue: Ø If problem occurs, reload the entire stack.
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-198824
Symptom	Not able to backup ICX Running Config to Linux Machine through SCP.
Condition	Trigger Running-config copy from Linux Machine through SCP.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.30
Technology / Technology Group	

Issue	FI-198920
Symptom	"show authentication all" sometimes show data-VLAN for phones.
Condition	MAC-Authentication/802.1x authentication is enabled on interface and a phone is authenticated.
Workaround	-
Recovery	-
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Security - 802.1x Port-based Authentication

Issue	FI-199067
Symptom	Stack unit might reload when ping to VRRP IP address.
Condition	Ping to VRRP IP address.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Other - Other

Issue	FI-194518
Symptom	The system hangs and the watchdog timeout happens to reload the device.
Condition	This is due to the HW ECC error on the NAND device. This can occur at random.
Workaround	There is no workaround.
Recovery	The device should be automatically recovered with the watchdog timer.
Probability	Low
Found In	FI 08.0.91
Technology / Technology Group	System - System

Resolved Issues in Release 08.0.92

Issue	FI-190519
Symptom	Access points show offline on virtual smart zone when the ICX reboots when it is connected in 2.5 GBPS port.
Condition	When ICX is connected with virtual smart zone on 2.5GBPS port.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.70
Technology / Technology Group	System - System

Issue	FI-198838
Symptom	DSCP traffic is not load balanced according to the configured value.
Condition	Configure ingress rate limiting
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.61
Technology / Technology Group	

Issue	FI-198474
Symptom	Port utilization Receive and Transmit Peak values are displayed more than 100% while checking through web-management.
Condition	Device statistics are read by accessing the device through web-management.
Workaround	-
Recovery	-
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management - Web Management

Issue	FI-198815
Symptom	The standby unit of ICX device reboots while configuring local username and password.
Condition	ICX is in stack and local username is configured.
Workaround	-
Recovery	-
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Management - CLI - Command Line Interface

Issue	FI-198891
Symptom	When an IP-Sec module is present in the ICX-7450 unit, the Digital and Optical Monitoring stops working even when its configured on the unit.
Condition	The IP-Sec module must be present in the ICX-7450 unit to observe this issue.
Workaround	The removal of IP-Sec module resumes the DOM (Digital and Optical Monitoring) operation.
Recovery	The resolution for this issue shall be provided in the next release.
Probability	
Found In	FI 08.0.90 FI 08.0.91
Technology / Technology Group	

Issue	FI-198880
Symptom	Junk value in Mac-Authentication SNMP Traps.
Condition	When the Mac-Authentication interface is from non-active units.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-198880
Symptom	Junk value in Mac-Authentication SNMP Traps.
Condition	When the Mac-Authentication interface is from non-active units.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-197681
Symptom	owner configuration under VRRP instance cannot be removed by running "no owner" command. Owner configuration will be retained.
Condition	This can be seen when 'no owner' is done under vrrp instance
Workaround	There is no need of removing the owner configuration. if required it can be modified by setting it to backup mode. The role of vrrp instance can either be owner or backup.
Recovery	Recovery is not applicable here. This has no functionality impact.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Layer 3 Routing/Network Layer - VRRPv3 - Virtual Router Redundancy Protocol Version 3

Resolved Issues in Release 08.0.92

Issue	FI-198736
Symptom	Some license files or configuration files are missing after the filesystem corruption happens.
Condition	This occurs when the filesystem is corrupted and the system is recovered.
Workaround	There is no workaround.
Recovery	Re-installing the missing license files and re-creating the startup configuration.
Probability	Low
Found In	FI 08.0.70 FI 08.0.61 FI 08.0.80 FI 08.0.90 FI 08.0.91
Technology / Technology Group	System - System

Issue	FI-198736
Symptom	Some license files or configuration files are missing after the filesystem corruption happens.
Condition	This occurs when the filesystem is corrupted and the system is recovered.
Workaround	There is no workaround.
Recovery	Re-installing the missing license files and re-creating the startup configuration.
Probability	Low
Found In	FI 08.0.70 FI 08.0.61 FI 08.0.80 FI 08.0.90 FI 08.0.91
Technology / Technology Group	System - System

Issue	FI-198729
Symptom	Some daemon processes (some applications running at background for services) are not stopped automatically at shutdown.
Condition	This occurs every time the device reloads.
Workaround	There is no workaround.
Recovery	The system forcefully stop those processes (applications) to reload in the end.
Probability	High
Found In	FI 08.0.90 FI 08.0.91
Technology / Technology Group	System - System

Issue	FI-198729
Symptom	Some daemon processes (some applications running at background for services) are not stopped automatically at shutdown.
Condition	This occurs every time the device reloads.
Workaround	There is no workaround.
Recovery	The system forcefully stop those processes (applications) to reload in the end.
Probability	High
Found In	FI 08.0.70 FI 08.0.61 FI 08.0.80 FI 08.0.90 FI 08.0.91
Technology / Technology Group	System - System

Issue	FI-198665
Symptom	SYSLOG: <11> Jan 1 21:13:17 DHCP6: ITC proc_boot_msg (action start) send failed to hmon Error in sending message to hmon, ITC return code: 17
Condition	When DHCPV6 is configured FastIron process sends a ITC message to hmond to start dhcp daemon, and if hmond process is not running the dhcp daemon start will fail, along with that ITC failure messages will be printed on the console
Workaround	The cause for failure is yet to be root-caused, hence there are no workarounds now to prevent the switch from hitting this issue
Recovery	There are no workarounds to start hmond on the fly, however the issue can be mitigated by moving the Active role to another unit in the stack, since hmond will be running on the node which became 'new Active' DHCPV6 will be started on the new Active.
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-198600
Symptom	Unexpected reset during operation
Condition	This can occur during a CPU control packet transmit
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-198353
Symptom	Multicast Packets are not being learnt
Condition	Multicast Packets are not being learnt when PE port is moved from being a tagged port in user VLAN to an untagged port in default VLAN
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90 FI 08.0.91
Technology / Technology Group	Layer 2 Switching - QnQ - IEEE 802.1Q

Issue	FI-198247
Symptom	Image copy might fail to PE via USB UFI upgrade.
Condition	
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	System - System

Resolved Issues in Release 08.0.92

Issue	FI-198240
Symptom	If a user VRF is deleted, when IPv6 PIM sparse is enabled on interface belonging to that VRF, system may crash under certain conditions later when some other configuration is done on those interface.
Condition	System may crash in the following conditions 1. A user VRF is configured with IPv6 PIM sparse enabled on interface belonging to that user VRF. 2. That user VRF is deleted without removing "ipv6 router pim vrf < >" configuration for that user VRF or without removing "ipv6 pim-sparse" configuration on the interfaces belonging to that VRF. 3. As the user VRF is deleted, those interfaces will now will be moved to default VRF. 4. If one of those interfaces is deleted or if "ipv6 pim-sparse" configuration is done on one of those interfaces, system may crash.
Workaround	Before deleting user VRF, remove the "ipv6 router pim vrf < >" configuration for that user VRF.
Recovery	
Probability	
Found In	FI 08.0.90 FI 08.0.91
Technology / Technology Group	

Issue	FI-194289
Symptom	LRM support is same as 8.90 release. Following changes in the port with LRM optic may flap the other ports in the same PHY: 1. Changing speed from 10G to 1G 2. Plugging out optic
Condition	LRM optic on 10G ports (ICX7850-48FS module 1 ports)
Workaround	None
Recovery	interfaces automatically comes up after the flap.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Other - Other

Issue	FI-191518
Symptom	In ICX DHCP Server running with the switch image, the clients are not assigned with the dynamic IP address.
Condition	When the clients are connected to ICX DHCP Server in non-default VLAN or non-management VLAN, then the clients are not assigned IP address.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70 FI 08.0.80
Technology / Technology Group	

Issue	FI-198197
Symptom	Class attribute is present in all AAA accounting packets sent by all authenticated Users
Condition	When class attribute is sent by Radius Server in AAA-ACCEPT message for a single User during authentication and there are more than one authenticated User in FI Switch/Router
Workaround	There is no workaround
Recovery	Reset the class attribute in the Radius Server and then reload the FI Switch/Router
Probability	
Found In	FI 08.0.90 FI 08.0.92
Technology / Technology Group	

Issue	FI-198022
Symptom	Web access to ICX allow configuring invalid module.
Condition	Web access to ICX and trying to configure invalid module
Workaround	-
Recovery	
Probability	
Found In	FI 08.0.90 FI 08.0.91
Technology / Technology Group	

Issue	FI-197864
Symptom	This issue can be caused by the UBIFS errors and re-formatting as follows. UBIFS error (ubi0:0 pid 566): ubifs_recover_leb: corrupt empty space LEB 3:12288, corruption starts at 1009713 UBIFS error (ubi0:0 pid 566): ubifs_scanned_corruption: corruption at LEB 3:1022001 UBIFS error (ubi0:0 pid 566): ubifs_scanned_corruption: first 8192 bytes from LEB 3:1022001 UBIFS error (ubi0:0 pid 566): ubifs_recover_leb: LEB 3 scanning failed mount: mounting ubi0:config on / fast_iron failed: Structure needs cleaning Mounting Config partition failed, non-recoverable file system corruption Reformatting the flash, please download config and keys again ... Formatting Done
Condition	This is a NAND flash HW (ECC) error, and this can occur at random at boot.
Workaround	There is no workaround.
Recovery	
Probability	
Found In	FI 08.0.60
Technology / Technology Group	System - System

Issue	FI-198096
Symptom	Mac-Authentication Traps are not generated.
Condition	When the Mac-Auth Interface is in non-active unit, traps are not generated
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-197083
Symptom	Multicast Host will not receive the traffic from its IPv6 PIM designated router (DR), if there is another PIM router in the same VLAN which is the upstream router for the multicast source.
Condition	This problem is specific to the IPv6 PIM-SM. If multicast host (receiver) is connected to a VLAN, in which the PIM DR router (say R1) is also the RP(Rendezvous Point) and the upstream router for the source is another router (say R2). In this topology, the multicast host will not receive the traffic, if R1 has no other receiver.
Workaround	none
Recovery	Use the CLI command "ipv6 pim dr-priority <val>" to adjust the designated router(DR) priorities such that upstream PIM router(R2) becomes the DR.
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-196178
Symptom	ICX7850 standalone device operating in uplink-40g mode shows 1/3/3 as stack-port in the configuration.
Condition	When ICX7850 standalone device operates in uplink-40g mode, doing "write memory" adds 1/3/3 as stack-port in the configuration.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Stacking - Stack Management

Issue	FI-196569
Symptom	Core dump is generated on configuring/ un-configuring LAG
Condition	Configure/un-configure LAG interface.
Workaround	
Recovery	None
Probability	Low
Found In	FI 08.0.70
Technology / Technology Group	Layer 2 - Link Aggregation

Issue	FI-197960
Symptom	BGP and OSPF SNMP traps doesn't contain human readable strings in the description field
Condition	Any MIB browser which has the "description" field will display non-readable strings when BGP and OSPF traps are generated by the ICX device.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-197962
Symptom	In the web interface LED glows in amber instead of green for GRU devices (ICX7150-24F, ICX7150-C10ZP, ICX7150-C08P).
Condition	For ports with default speed configuration, the LED glows in amber instead of Green in the web interface.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.91 FI 08.0.92
Technology / Technology Group	

Issue	FI-195459
Symptom	Device hangs while running diagnostic tests in ICX7650-48F
Condition	Device hangs while running diagnostic tests in ICX7650-48F
Workaround	No work around for this issue.
Recovery	Only power cycle will recover the device and boot normally
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-197182
Symptom	PySzAgtSrv.py crash when watchdog timeout occurred
Condition	When "sz disable" is issued, watchdog timeout occurred.
Workaround	No
Recovery	Switch will recover after reload
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-197848
Symptom	PySzAgtSrv.py crash when watchdog timeout occurred
Condition	When "sz disable" is issued, watchdog timeout occurred.
Workaround	None
Recovery	Switch will recover after reload
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-197115
Symptom	System resets occasionally while upgrading software in ICX stack.
Condition	While upgrading ICX software from 8030x, ICX stack resets.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.70
Technology / Technology Group	Stacking - Secure Setup, Autoconfig, Manifest files, Autocopy

Issue	FI-186906
Symptom	At the interface configuration level the "mdi-mdix" command results in error when the command is used for ICX7650-48ZP unit port no 1/1/25 to 1/1/48
Condition	The issue happens when the "mdi-mdix" command is applied to ICX7650-48ZP unit any port between port no 1/1/25 to 1/1/48
Workaround	There is no workaround for this CLI error but this does not have any functional impact
Recovery	This does not have any functional impact and the link works correctly by using auto-negotiation of mdi/mdix parameters between two connected device ports
Probability	
Found In	FI 08.0.80
Technology / Technology Group	

Issue	FI-197616
Symptom	Active unit of the stack reloads unexpectedly when console to member units.
Condition	When console to any of the member units in a 7 or more units stack, the active unit reloads after few minutes.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-197061
Symptom	Ocasionally, when the SCP script is run in the background to backup the running Config of ICX device, access to flash will be denied for 20 minutes.
Condition	User will receive the message "Flash access in progress. Please try later" when issuing 'write mem' and if SCP script is run in the background to backup the running Config.
Workaround	NA
Recovery	NA
Probability	Low
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-197402
Symptom	When connected to the member unit console, cannot get into the enabled mode.
Condition	When consoled into any of the member units in a 7 or more units stack, enabled mode is not allowed.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-197605
Symptom	When stack is disabled, other feature configs is not allowed in stack ports.
Condition	Disable the stack with "no stack enable" Apply configs to the stack port. Error will be received.
Workaround	
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-197128
Symptom	Occasionally, 'show flash' command shows the primary and secondary image files are empty and flash free space is zero.
Condition	'show flash' CLI command output shows the primary and secondary image files are empty and flash free space is zero.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.70
Technology / Technology Group	System - System

Issue	FI-197299
Symptom	switch crash due to watchdog timeout
Condition	many configurations pushed from SZ causing memory leak and then watchdog timeout
Workaround	None
Recovery	After crash, switch will recover.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-197396
Symptom	On ICX device, web authentication will fail when username and password length is given more than 32 characters.
Condition	When user enters credentials more than 32 characters for web authentication it will fail.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-197396
Symptom	On ICX device, web authentication will fail when username and password length is given more than 32 characters.
Condition	When user enters credentials more than 32 characters for web authentication it will fail.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-196553
Symptom	The ICX device reboots itself when "debug packet-capture" command is executed.
Condition	debug packet-capture is executed in ICX device
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Monitoring - RAS - Reliability, Availability, and Serviceability

Issue	FI-197382
Symptom	Unexpected reboot on removing lag config
Condition	In MCT setup, issue "no lag <lag-id>" command to remove lag config
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.61
Technology / Technology Group	Layer 2 Switching - LAG - Link Aggregation Group

Issue	FI-197358
Symptom	The member units in a stack reloads unexpectedly.
Condition	When MAC notification is enabled, sometimes the member units in a stack reloads unexpectedly due to memory leak.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-196262
Symptom	Device reboots silently without any warning message due to high CPU temperature.
Condition	Device reboots silently without any warning message due to high CPU temperature.
Workaround	Should maintain the optimal temperature so that device temperature won't go for very high values.
Recovery	Since device go for reboot, it will automatically boots up.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-197066
Symptom	When enabling the advanced features such as 'router ospf', 'router pim', 'tunnel mode gre ip', in ICX device, it won't accept Y or N for user acceptance message.
Condition	The ICX devices won't accept Y or N when enabling the advanced features such as 'router ospf', 'router pim', 'tunnel mode gre ip', if 'aaa accounting commands 0 default start-stop tacacs+ none' and 'aaa console' or 'aaa authentication login default tacacs+ local' configs are present.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-197251
Symptom	The ICX device reloads spontaneously when SCP is performed from or to the device.
Condition	SCP is tried from/to the ICX device.
Workaround	-
Recovery	-
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-192315
Symptom	Stack Device reboots, executing "show ip pim mcache" with filter enabled for large number of PIM entries.
Condition	Stack Device having 2000+ PIM entries, will reboot while executing below sequence of show commands in console session. 1. execute "show ip igmp group" and Press Ctrl+c at page mode 2. execute "show ip pim mcache" and Press Ctrl+c at page mode 3. execute "show ip pim mcache include 2000" and Press Ctrl+c.
Workaround	Use Telnet or SSH sessions to perform these operations.
Recovery	NA
Probability	
Found In	FI 08.0.90
Technology / Technology Group	IP Multicast - PIM - Protocol-Independent Multicast

Issue	FI-197104
Symptom	Spanning Tree (STP) loop and high CPU condition
Condition	STP Backup port role change to Root port during role calculation for trigger like port down.
Workaround	None
Recovery	Shutdown Root port causing loop
Probability	
Found In	FI 08.0.70 FI 08.0.90
Technology / Technology Group	

Issue	FI-194675
Symptom	The rate at which MAC addresses are learnt in ICX7850 platform is lower than ICX7750 platform by 35%. Due to this the customer could see increased flood traffic in the network for additional time.
Condition	Arrival of traffic with new MAC addresses at a rate above 1300 packets/sec to an ICX7850 unit.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Layer 2 Switching

Issue	FI-197207
Symptom	The configuration "authentication auth-filter" is corrupted or lost.
Condition	When "authentication auth-filter" is configured on the interface, the configuration is getting corrupted and also lost if reloaded.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.91
Technology / Technology Group	Management - CLI - Command Line Interface

Issue	FI-195514
Symptom	ACL applied on physical interfaces/virtual interface will not block all UPnP packets.
Condition	ACL is applied to block UPnP packets.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.80
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-196670
Symptom	Unexpected device reload while forming SPX chains using ZTP.
Condition	SPX chain formation using ZTP with ICX7650 as CB and ICX7450,ICX7150 as PE's
Workaround	NA
Recovery	NA
Probability	Low
Found In	FI 08.0.90 FI 08.0.91
Technology / Technology Group	Stacking - Mixed Stacking

Issue	FI-194347
Symptom	Sensors connected to ICX on 10Gb port stops working after a period of time.
Condition	When sensors are connected to ICX on 10Gb port, they stop working due to autonegotiation issue with 100M after a period of time.
Workaround	Disable and enable the port recovers ths issue.
Recovery	None
Probability	Low
Found In	FI 08.0.70
Technology / Technology Group	System - System

Issue	FI-191652
Symptom	Crash is seen when IPV6 client is trying to get an IP address from dhcpv6 server with dhcpv6 snooping enabled.
Condition	Issue is seen only when Dhcpv6 snooping is enabled and client is getting IP address from the server .
Workaround	N/A
Recovery	N/A
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-188432
Symptom	An ICX 7K stack does not do PBRv6 based forwarding for packets in the slow path. These packets would get forwarded based on the regular L3 forwarding tables in the slow path
Condition	This was observed when TCP MSS was enabled on an interface of the ICX stack. This can happen to any slow path packets for which are supposed to be PBRv6 forwarded.
Workaround	No workaround
Recovery	No Recovery
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-193916
Symptom	On ICX device, ssh session hangs sometimes without displaying prompt.
Condition	Sometimes ssh login might hang after the initial password entry.
Workaround	Retry the ssh login, and it'll succeed.
Recovery	None
Probability	
Found In	FI 08.0.80
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-190581
Symptom	The reading of optics power fails.
Condition	When the customer runs "show optic" command, the error "Optical monitoring is in progress, please try later" is thrown and so not able to read the optics power.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70 FI 08.0.61 FI 08.0.80
Technology / Technology Group	Monitoring - Hardware Monitoring

Issue	FI-196466
Symptom	Private VLAN port is allowed to be configured in a regular VLAN and vice versa with the following message. "Warning: port <x> in Private VLAN is added to Regular VLAN <y> as Tagged Member.
Condition	Customer should have PVLAN and regular VLAN configured.
Workaround	N/A
Recovery	N/A
Probability	High
Found In	FI 08.0.80
Technology / Technology Group	Security

Issue	FI-195770
Symptom	In FastIron 08.0.80 code, the IPSEC commands are not available and asked for L3 premium license.
Condition	In FastIron 08.0.80 code, the IPSEC commands are not available until L3 premium license is installed.
Workaround	
Recovery	
Probability	High
Found In	FI 08.0.80
Technology / Technology Group	Security - IPsec - IP Security

Issue	FI-194094
Symptom	In SPX setup, CB unit might reload unexpectedly after several days of uptime.
Condition	If we trigger a scp script when there is a configuration change in the SPX set-up to copy running-config from device to scp server .
Workaround	NA
Recovery	NA
Probability	Medium
Found In	FI 08.0.70
Technology / Technology Group	Layer 2 Switching - Switch Port Extender

Issue	FI-193199
Symptom	Removing a sequence from a ACL and reapplying doesn't work as expected.
Condition	Issue is seen only when ACL has multiple sequences. The sequence which is removed and re-added should be before a deny rule for the issue to occur.
Workaround	Remove and re-add entire ACL resolve's the issue.
Recovery	Remove and re-add entire ACL recover's the issue.
Probability	
Found In	FI 08.0.80
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-193353
Symptom	IPv6 Route table full and IPv4 route table Full error messages would be printed in console.
Condition	1. Configure reverse-path-check. 2. Ping or tcp/udp scan an IPv6 subnet on ICX7K device to add more than 1024 IPv6 routes.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-196472
Symptom	Sflow data showing default VLAN ID instead of VLAN where user is placed.
Condition	Sflow data shows incorrect VLAN ID in the standby unit, when the host on the port is mac-authenticated.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-196247
Symptom	After reloading, client is not able to get the ruckus prompt for Cloudpath webauthentication if trust port Lag is applied for webauth. access-switch#sh captive-portal weblogin Configured Captive Portal Profile Details cp-name :weblogin virtual-ip :training.cloudpath.net (0.0.0.0) -->no ip and captive-portal is not reachable virtual-port :443 login-page :/enroll/RuckusWireless-26/ Production/
Condition	when trust-port lag is configuration under webauth and reloaded.
Workaround	Remove and add "trust port lag" from webauth configuration
Recovery	Remove and add "trust port lag" from webauth configuration
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Security - Web Authentication

Issue	FI-196484
Symptom	Mac-Authentication Syslog's and Traps are not generated
Condition	Syslog's and Traps are not generated in the following scenarios 1. Mac-Authentication failure due to Access Reject from Radius. 2. Mac-Authentication Success 3. Mac-Authentication Radius Timeout
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.80 FI 08.0.90
Technology / Technology Group	

Issue	FI-196530
Symptom	Show stack discover neighbor command make the switch to reboot
Condition	when the cli "show stack discover neighbor" is executed.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.70
Technology / Technology Group	Cloud Management - Cloud Agent

Issue	FI-196322
Symptom	On rare occasions, the statistics of stacking ports are displayed as zero. This was observed only on Megamind Units during SQA testing.
Condition	This issue was observed only on MM units.
Workaround	Reboot of the system should fix the issue.
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-196515
Symptom	This is an additional SYSLOG message. This also prints certain stack traces during reload events and RADIUS shared secret key additions and updates.
Condition	The SYSLOGs and the traces are printed during the reload events and share secret key changes. They look similar to SYSLOG: <118>Jan 1 00:00:26 6450_U40 stack: 01988018 01855a90 018565a4 019dda78 019de788 0176da28 016d8c84 022946ac 02fccb28 SYSLOG: <118>Jan 1 00:00:26 6450_U40 stack: 01988018 01855a90 018565a4 019dda78 019de788 0176da28 016d8c84 022946ac 02fccb28 SYSLOG: <118>Jan 1 00:00:26 6450_U40 stack: 01988018 01855a90 018565a4 019dda78 019de788 0176da28 016d8c84 022946ac 02fccb28
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.70 FI 08.0.30
Technology / Technology Group	Security - AAA - Authentication, Authorization, and Accounting

Issue	FI-195139
Symptom	On an ICX device, when a packet does not match an ACL rule which looks for a DSCP/802.1p value and if the packet comes to slow path, the packet gets forwarded in the slow path due to the same rule even though it logically matches with a deny rule below that.
Condition	This issue happens when the packet matches with another rule that has logging configured. For example, in the following case the deny rule has log enabled. ipv6 access-list ipv6: 2 entries enable-accounting logging-enable 20: permit any any log dscp-matching 11 30: deny ipv6 any any log
Workaround	Avoiding the "log" option on filter while using a permit rule with match by DSCP.
Recovery	No Recovery
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-196335
Symptom	No Syslog generated when radius-server/client key updated.
Condition	When Radius-server/Client key updated.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.30
Technology / Technology Group	

Issue	FI-184047
Symptom	System crash while freeing the mac entry.
Condition	System configured with overlay-gateway configuration. And LAG is part of VNI mapped VLAN and some MACs are on that LAG interface. And then while deleting the LAG interface, user may see the crash.
Workaround	Before deleting the LAG interface, perform "clear mac" on LAG interface and then delete LAG interface.
Recovery	Reload the system.
Probability	
Found In	FI 08.0.80
Technology / Technology Group	

Issue	FI-196172
Symptom	Port speed setting is not getting reverted back to auto speed-duplex on uplink 1G copper ports.
Condition	Issue is seen only with 1G copper uplink ports.
Workaround	N/A
Recovery	N/A
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-196064
Symptom	The edge devices will not be able to get through MAC/Dot1x authentication process.
Condition	This could happen when RADIUS server does not send response or sends the response with invalid key.
Workaround	None.
Recovery	Clear the entries using the command, clear radius radius-queue <entry-id>
Probability	Medium
Found In	FI 08.0.70 FI 08.0.30
Technology / Technology Group	Security - MAC Port-based Authentication

Issue	FI-196253
Symptom	SNMP/HTTP channel specific syslog messages are overwriting the actual SZ (Smart Zone) connection error logs in "show sz log" output.
Condition	Syslogs are getting overwritten when syslog is enabled for SZ module.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-196158
Symptom	ICX switch may reload when making configuration changes to LAG configuration.
Condition	The conditions in which the issue is occurring is not evident. This issue can happen under rare scenarios.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.70
Technology / Technology Group	Layer 2 - Link Aggregation

Issue	FI-191375
Symptom	Openflow controller does not communicate to ICX on management VRF
Condition	On ICX devices, enabling VRF on management interface does not communicate with openflow controller.
Workaround	No
Recovery	NA
Probability	
Found In	FI 08.0.70 FI 08.0.80
Technology / Technology Group	SDN - OpenFlow 1.3

Issue	FI-195708
Symptom	When active unit goes down in a spanning tree enabled switch, the reachability issue is seen.
Condition	In a spanning tree enabled 2 unit stack, when active unit goes down and the standby becomes standalone, the reachability with the neighbor is lost.
Workaround	Disabling and enabling the interface connected to the neighbor.
Recovery	
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Resolved Issues in Release 08.0.92

Issue	FI-193742
Symptom	Text "Failed to create task object for task TELNET_INCSES_1" will be displayed on session terminal. There is no functionality impact.
Condition	When NMAP port scanner script run to scan the TCP ports in ICX device. (Example: "nmap -A -v X.X.X.X")
Workaround	Stop the NMAP Port scanner.
Recovery	Not applicable. No Recovery Needed. There will not be any change in the device state.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-195054
Symptom	Optical Monitoring is not working for 1G M-LHA(SFP)
Condition	Issue is seen only with SFP types 1G M-LHA(SFP) Part# : 57-0000194-01
Workaround	N/A
Recovery	N/A
Probability	Medium
Found In	FI 08.0.30
Technology / Technology Group	System - Optics

Issue	FI-194710
Symptom	BPDU loop causes high CPU in MSTP.
Condition	When RSTP is configured on ICX setup, where ICX receives MSTP packets from peer device.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.70
Technology / Technology Group	Layer 2 - Link Aggregation

Issue	FI-194208
Symptom	ICX7750-48F 10/40 Gbps LED stays as steady green.
Condition	When traffic is passing through ICX7750-48F, 10/40 Gbps LED stays as steady green instead of blinking.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.70
Technology / Technology Group	

Issue	FI-194818
Symptom	'show pdc data-ready-units' commands retains the data availability information even when the PE unit is detached.
Condition	PDC is enabled. The PE unit had PDC data and got detached.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Other - Other

Issue	FI-188972
Symptom	One ARP-HIPR Filter might miss in the PCL table
Condition	1. Configure BUM limit in all the interfaces to exhaust the L2 filters. 2. After reload the ARP-HIPR rule will miss in the standby PCL Table.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.70
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-194812
Symptom	When pdc data transfer tftp is configured and reloaded the config doesnt persist
Condition	pdcc data transfer tftp configured Reload
Workaround	After reload pdc data transfer tftp can be reconfigured
Recovery	pdcc data transfer can be configured manually
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Other - Other

Issue	FI-195163
Symptom	Stack system's Active Unit might reload while establishing SSH Inbound session.
Condition	unexpected reload will be observed during SSH login to ICX box when the ICX box connecting and disconnecting to SZ (SmartZone) IP Addresss continuously.
Workaround	Device can be access via Telnet sessions
Recovery	Device will reboot
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Known Issues in Release 08.0.92c

This section lists open software issues with Critical, High, and Medium Technical Severity in FastIron 08.0.92c.

Issue	FI-209479
Symptom	ACL name gets removed from the running config when we remove and add the same ACL through tftp config copy command.
Condition	Run a tftp config copy command to remove and add same ACL.
Workaround	Run the delete ACL script and add ACL script separately.
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Security - ACLs - Access Control Lists

Known Issues in Release 08.0.92a

This section lists open software issues with Critical, High, and Medium Technical Severity in FastIron 08.0.92a.

Issue	FI-207455
Symptom	When a device is reloaded the SSL profile is not created and an error is continually reproduced. The error that occurs shows the following message "WARNING: SSL profile DEVICE_PROFILE doesn't exists, the device certificate or device key not found"
Condition	The issue occurs if a user is trying to connect to SZ.
Workaround	If SZ is not configured the issue does not occur
Recovery	Users can manually reload the SSL profile by issuing a "crypto generate" command in EXEC mode. This should resolve the problem.
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-207449
Symptom	Reboot switch from SZ WebGUI doesn't work.
Condition	AAA Radius Accounting configuration should be present.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-195315
Symptom	On a stacking environment with Cloud connection after Standby takes over as Active due to Failover/Switchover, 'dm verify-device-certs' can report Device Certificate Miss-Match failure
Condition	On a stacking environment with Cloud connection after Standby takes over as Active due to Failover/Switchover
Workaround	A reload of the new Active unit will recover the Device Certificates from Backup and after reload 'dm verify-device-certs' will report Success. There is no workaround to prevent the issue
Recovery	A reload of the new Active unit will recover the Device Certificates from Backup and after reload 'dm verify-device-certs' will report Success
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Cloud Management - Certificate Management

Known Issues in Release 08.0.92a

Issue	FI-207345
Symptom	Syslog messages are not generated for multicast and broadcast traffic when rate limit exceeds.
Condition	When multicast or broadcast rate limit is configured on a physical or lag interface.
Workaround	Configure unicast rate limit, unconfig broadcast and multicast rate limit, config them again. Unconfig unicast
Recovery	Follow steps mentioned in workaround when the issue is seen
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-206967
Symptom	IPC error message is printed when one of the stack member unit freeze during stack formation.
Condition	One of the unit in a stack freeze during stack formation.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Stacking - Stack Management

Issue	FI-206757
Symptom	Operation on reserved vlan 4094 using SNMP SET (delete) causes changes to the reserved vlan which is not intended for editing
Condition	User will be able to delete the reserved vlan using SNMP set operation
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-192595
Symptom	ICX7250 may encounter unexpected reload when user issues a reload command.
Condition	ICX7250 may encounter unexpected reload when user issues a reload command.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Stacking - Traditional Stacking

Issue	FI-203646
Symptom	SNMPWalk for IP Source Guard table fails.
Condition	When we do SNMP walk for the IP Source Guard entries, it fails with the error 'No Such Instance currently exists at this OID'
Workaround	
Recovery	
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-203345
Symptom	IPC error message is printed when one of the stack member unit freeze during stack formation.
Condition	One of the unit in a stack freeze during stack formation.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Stacking - Stack Management

Issue	FI-202152
Symptom	With Juniper optics and the 100G LR4 power interface , high power mode is not enabled by default and has to be enabled.
Condition	Issue is seen with Juniper optics and the 100G LR4 power interface
Workaround	NA
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-201976
Symptom	SNMPWalk for DHCP Snooping and Dynamic ARP Inspection fails.
Condition	When we do SNMP walk for the DHCP Snooping and Dynamic ARP Inspection entries, it fails with the error 'No Such Instance currently exists at this OID'
Workaround	
Recovery	
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Known Issues in Release 08.0.92a

Issue	FI-201618
Symptom	standby unit reboot on ARP sync from master
Condition	ARP sync from master to standby on the stack environment
Workaround	
Recovery	
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Other - Other

Known Issues in Release 08.0.92

This section lists open software issues with Critical, High, and Medium Technical Severity in FastIron 08.0.92.

Issue	FI-204617
Symptom	SNMP query for "snPortMacSecurityModuleStatTable" does not return all modules
Condition	Applies to ICX 7750
Workaround	
Recovery	
Probability	
Found In	FFI 08.0.92
Technology / Technology Group	

Issue	FI-204572
Symptom	System will crash
Condition	Have a VE on default VLAN. Change a port membership from tagged to untagged.
Workaround	Unconfigure VE on default VLAN. Do all the port membership changes to/from the default VLAN. Configure VE on default VLAN.
Recovery	None.
Probability	
Found In	FI 08.0.90 FI 08.0.91 FI 08.0.92
Technology / Technology Group	

Issue	FI-204399
Symptom	The console login prompt overlaps with the longer MOTD message configured.
Condition	When 'enable aaa console' and longer MOTD banner message are configured, the login prompt and MOTD messages are overlapped.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Known Issues in Release 08.0.92

Issue	FI-204445
Symptom	In ICX7650 with Rear module with 40G vs 100G, configured as uplink for stacking can have inconsistent message displays.
Condition	If the customer have ICX7650 with Rear modules of 100G speed operating in uplink mode and are planning to upgrade from FI8070 to FI8090 then they can see inconsistent messages when compared to 40G speed.
Workaround	Except the confirmation and proceed.
Recovery	Except the confirmation and proceed.
Probability	
Found In	FI 08.0.90 FI 08.0.91 FI 08.0.92 FI 08.0.95
Technology / Technology Group	

Issue	FI-204154
Symptom	ICX switch may encounter unexpected reload.
Condition	The ICX switch may be reloaded when 'dm verify-device-cert' command is issued.
Workaround	Do not use the 'dm verify-device-cert' command.
Recovery	None,
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-204158
Symptom	On ICX devices Mac filter logging is not working as expected when the user enables mac filter logging using command "mac filter-group log-enable"
Condition	On ICX devices, When MAC filters are applied at interface level and then enable the mac filter logging using command "mac filter-group log-enable"
Workaround	No Workaround
Recovery	No Recovery
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-204096
Symptom	System crashes and device reloads. Issue is suspected to happen when there is an exec accounting request in progress and rconsole closure happens
Condition	System may experience crash and go for a reload
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-203953
Symptom	Establish a normal BFD Session over lag. After which, one one side micro BFD is configured will result in a session flap.
Condition	Micro BFD is enabled in the system.
Workaround	User should bring down the existing BFD session before configuring bfd-per link/micro BFD session.
Recovery	Bring down the existing BFD session and then configure bfd-per link/micro BFD session.
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-203846
Symptom	On rare scenarios, user may see switch IP address as 0.0.0.0 in Alto UI
Condition	In the initial phase, when ICX switch connects to the Alto cloud
Workaround	Not Applicable
Recovery	Not Applicable
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-203783
Symptom	A PC connected to a phone and through a switch port logs off when a third device is connected the same switch port and fails authentication.
Condition	In a switch port where a PC and Phone finishes authentication and then two more users joins and fails authentication on the same switch port. PC logs off.
Workaround	No work around is required as device recovers on it's own
Recovery	No manual intervention is required as sessions are cleared when inconsistent state is detected. Dot1x and Phone will be able to joins successfully next time
Probability	
Found In	FI 08.0.90 FI 08.0.91 FI 08.0.92
Technology / Technology Group	

Issue	FI-202279
Symptom	Unexpected reload will be observed when SZ disconnect command is invoked.
Condition	Invoke SZ disconnect command from console.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.91
Technology / Technology Group	Other - Other

Known Issues in Release 08.0.92

Issue	FI-203646
Symptom	SNMPWalk for IP Source Guard table fails.
Condition	When we do SNMP walk for the IP Source Guard entries, it fails with the error 'No Such Instance currently exists at this OID'
Workaround	
Recovery	
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-203449
Symptom	The excessive DHCP Snooping SYSLOGs will be generated.
Condition	When 'dhcp snooping client-learning disable' is configured, more SYSLOGs for DHCP Snooping are generated.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-203359
Symptom	Password is displayed as plain text on configuring "password display"
Condition	"show ip bgp neigh" displays the password as plain text
Workaround	
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-203345
Symptom	IPC error message is printed when one of the stack member unit freeze during stack formation.
Condition	One of the unit in a stack freeze during stack formation.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Stacking - Stack Management

Issue	FI-202732
Symptom	The stack port addition fails with ACL error when DHCPv6/NDI features configuration is enabled on ICX device.
Condition	1. Configure DHCPv6 or NDI features on VE which has default VLAN configured. 2. On ICX stack ring topology, Convert the stack ring to linear and then back to ring by adding stack port. The stack port addition fails with ACL error.
Workaround	1. Unconfigure DHCPv6/NDI features enabled on VLAN and then add stack port. 2. Re-configure DHCPv6/NDI features after stack port addition.
Recovery	1. Unconfigure DHCPv6/NDI features enabled on VLAN and then add stack port. 2. Re-configure DHCPv6/NDI features after stack port addition.
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-202431
Symptom	When the command "service local-user-protection" is configured, a user cannot be deleted if the password has been modified after creation Steps to run into the issue 1. Configure "service local-user-protection" 2. Create a user with the "username ... password .." command 3. Modify the user's password with "username ... password ..." command 4. Try to delete the user with "no username .. password .." command The deletion will fail with the message "Error: Current password doesn't match. Access denied"
Condition	Seen on all ICX platforms when "service local-user-protection" is configured
Workaround	User can be deleted once the "service local-user-protection" configuration has been removed
Recovery	
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-202376
Symptom	This is a scenario when the Source IP of BFD Multi-Hop session is changed only on one side of the BFD endpoints, the Multi-Hop session should go down, but flap is seen.
Condition	System is configured with MultiHop Session
Workaround	The pair of unique Source and Destination IP address in Multi Hop Session
Recovery	Reconfigure the new BFD session created with the same Source IP Address to a different one.
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-202000
Symptom	ICX PIM router may not forward traffic to the host, when that host, upstream PIM router and PIM RP router are all reachable via same VLAN port.
Condition	ICX PIM router will not forward traffic to the host in VLAN for which it is elected as DR, in the following conditions 1. The host, upstream PIM router and PIM RP router are all reachable from PIM DR router via same VLAN port 2. PIM DR router does not have any other receiver for that multicast stream 3. PIM DR has L3 interface configured on that VLAN port
Workaround	On ICX PIM DR router, configure VE interface for the VLAN, instead of configuring the L3 interface on the VLAN port.
Recovery	
Probability	
Found In	FI 08.0.90 FI 08.0.91 FI 08.0.92
Technology / Technology Group	

Issue	FI-201976
Symptom	SNMPWalk for DHCP Snooping and Dynamic ARP Inspection fails.
Condition	When we do SNMP walk for the DHCP Snooping and Dynamic ARP Inspection entries, it fails with the error 'No Such Instance currently exists at this OID'
Workaround	
Recovery	
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-201580
Symptom	Mcast client sees traffic interruption when a new receiver connected to active unit joins the group or existing receiver connected to active unit leaves, other receivers connected to active unit experience a momentary traffic loss (few packets < 10).
Condition	Problem is seen when source is connected to standby and receivers are connected to active.
Workaround	Apply the command "no ip multicast-routing optimization oif-list all"
Recovery	Apply the command "no ip multicast-routing optimization oif-list all"
Probability	Medium
Found In	FI 08.0.80 FI 08.0.90 FI 08.0.91 FI 08.0.92 FI 08.0.95
Technology / Technology Group	IP Multicast - IGMP - Internet Group Management Protocol

Issue	FI-201618
Symptom	standby unit reboot on ARP sync from master
Condition	ARP sync from master to standby on the stack environment
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Other - Other

Issue	FI-201576
Symptom	When using ICX IGMPv3/MLDv2 membership tracking feature on VLANs, a receiver may stop receiving multicast traffic for the stream (S,G) in certain conditions.
Condition	When using ICX IGMPv3/MLDv2 membership tracking feature on VLANs, a receiver may stop receiving multicast traffic for the stream (S,G) when another receiver connected to the same VLAN port leaves the same stream (S,G).
Workaround	There is no workaround
Recovery	The condition recovers after the next IGMP/MLD general query is sent out in that VLAN.
Probability	
Found In	FI 08.0.90 FI 08.0.91 FI 08.0.92 FI 08.0.95
Technology / Technology Group	

Issue	FI-201465
Symptom	The SYSLOG message to indicate the route table exhaustion is not printed.
Condition	When the route addition fails due to the route table exhaustion, the SYSLOG message is not generated.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-200659
Symptom	Under rare circumstances, an ICX7K device reboots after a switchover due to a watchdog timeout.
Condition	Happens on a switchover
Workaround	None
Recovery	The system recovers by itself
Probability	
Found In	FI 08.0.92
Technology / Technology Group	

Issue	FI-123259
Symptom	If ACL configurations such as adding/deleting ACL, adding/deleting filters and bind/unbind of ACLs to PE ports are done while the PE Hot-Swap is in progress, it can result in unpredictable behavior for that PE such as filter IDs to be out-of-sync with active, ACL not getting bound to ports... etc.
Condition	ACL configuration changes on the active when PE hot-swap is in progress.
Workaround	
Recovery	Reload of the PE.
Probability	Medium
Found In	
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-196211
Symptom	show cpu reports 8% CPU for 1 sec average infrequently in ICX 7150. No known functional impact.
Condition	CPU usage monitoring when done with sh cpu
Workaround	None
Recovery	CPU utilization comes back to normal levels after the spike
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-198427
Symptom	RSTP state for a particular port shows up as "BROKEN" in a scenario where UDLD is configured ONLY on one side of the link.
Condition	The issue is seen ONLY if as long as UDLD is configured on one side of the link.
Workaround	When UDLD is configured on both sides of the link, the issue wont be observed.
Recovery	When UDLD is configured on both sides of the link, the issue wont be observed.
Probability	
Found In	FI 08.0.91
Technology / Technology Group	

Issue	FI-185437
Symptom	Clients device connected to ICX devices not being assigned an IP address (via DHCP) when the ICX device is the configured DHCP server is in a different vlan than the client. In this scenario the DHCP server seem to allot an IP Address to the client but the client has not received the allocation.
Condition	A client device requesting an IP address through DHCP fails to receive an IP address. As a fallback mechanism it transmits a DHCP discover packet on all the vlans/interfaces to obtain an IP address. In this condition the IP address is not allocated to the client.
Workaround	Network administrator can release IP binding for that client through a CLI command on the server. The client side configuration should be in the right vlan as a DHCP server.
Recovery	Network administrator can release IP binding for that client through a CLI command on the server. The client side configuration should be in the right vlan as a DHCP server.
Probability	
Found In	FI 08.0.80
Technology / Technology Group	

Issue	FI-185144
Symptom	On an ICX 7K stack, if a packet having Invalid Source Module ID in the Higig header enters the stack link, it will keep looping within the stack.
Condition	By design, all the packets sent over the HiGig links are initialized with valid Source Module ID. It is not known at this point any specific sequence of steps that lead to the Source Module ID becoming invalid.
Workaround	no workaround
Recovery	None
Probability	
Found In	FI 08.0.70 FI 08.0.61 FI 08.0.60 FI 08.0.80
Technology / Technology Group	Stacking - Traditional Stacking

Issue	FI-188576
Symptom	On an ICX7850, Egress ACL applied on Virtual interface (VE) will not be honored as per the user configuration if an only if untagged ports part of the Vlan.
Condition	1. On ICX 7850 platform, Configure Vlan with untagged ports. 2. Configure VE for corresponding VLAN and apply egress ACL bindings to VE interface.
Workaround	No Workaround
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-187702
Symptom	When ISSU upgrade is performed on an ICX device security features are configured, benign ACL accounting error logs are seen on the console of the Active unit of the stack. That is, there is no functional impact observed.
Condition	IPSG and DHCP snooping features are configured on VLAN.
Workaround	No workaround. No functionality impact as well
Recovery	No recovery needed as there is no functional impact
Probability	
Found In	FI 08.0.70
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-191748
Symptom	On ICX7850 switch/Router, when we have multiple protocols enabled (like LACP, MACSEC) and we are learning scale number of ip source guard entries (approximately 1500),we may see CPU spike and protocols flap.
Condition	On ICX7850 switch/Router, enable LACP and MACSEC, and try to learn beyond 800 ip source guard entries. The High CPU will not occur if the number of IPSG entries learnt are less than 800 in the system
Workaround	No workaround.
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Security - IP Source Guard

Issue	FI-194945
Symptom	When an ICX device's TCAM is exhausted with IP Source Guard (IPSG) entries, if another host comes in the ICX device will get into a state where the IPSG entry for the new host is not written to the TCAM but the entry is remembered in the persistent storage. If the ICX device reloads in this state, when the system comes up none of the IPSG entries restored from the persistent storage will be programmed in the tcam and even the default deny rule will not get programmed. This means any host will get permitted from that point onwards.
Condition	This problem happens only when the ICX device's learnt entries in the IPSG software table exceeds the available TCAM space on the ICX device "and" the ICX device reloads in that situation.
Workaround	Learnt IPSG entries within the TCAM capacity will not result into the issue. No hardware errors will be seen and eventual problem during reload won't happen. When TCAM failure errors are seen while learning an IPSG client, release the client entry so that there will not be any stale entries in software tables. This will avoid running into this issue.
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Security - IP Source Guard

Issue	FI-192258
Symptom	Device will be detached from stack and the device will come up as standalone unit. Issue is seen on ICX-7850_48FS product
Condition	Issue is seen with higher IPSG scale entries around ~1500 per stack unit, and when stack unit comes up after stack reload.
Workaround	There is no workaround.
Recovery	Operator need to remove dhcp configuration and also clear DHCP snooping entries, save this updated configuration and then trigger reload of device.
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Security - IP Source Guard

Issue	FI-190860
Symptom	On an ICX7850, when a large is ACL configured/unconfigured on default VLAN with multiple ports, CPU spike around 40 - 50% seen approx for 1 min. While protocol flaps are not seen with the number of protocol sessions that were present, it is possible that there could be protocol flaps when we scale the sessions.
Condition	The issue happens when the following conditions are met 1. per-port-per-valn enabled 2. IPv4 and IPv6 ingress ACL configured with >=800 filters in each of these ACLs 3. system default VLAN has >= 40 ports
Workaround	To bind a large ACL, create an ACL with small number of filters (<= 50) and bind it first, followed by adding the rest of the filters one by one to the ACL. To unbind a large ACL, remove filters one by one and once the number of filters is small (<= 50), the ACL can be unbound
Recovery	The system will come back to normal state by itself after that 1min cpu spike
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-183744
Symptom	Link flaps for standby unit ports of the LAG(s) when a large ACL is applied
Condition	It happens when the following two conditions are met 1. UDLD is enabled on the link (of the LAG) which is on the Standby Unit 2. The ACL has more than 1000 filters
Workaround	To bind a large ACL, create an ACL with small number of filters (<= 50) and bind it first, followed by adding the rest of the filters one by one to the ACL. To unbind a large ACL, remove filters one by one and once the number of filters is small (<= 50), the ACL can be unbound
Recovery	The system will recover automatically and come back to normal state
Probability	
Found In	FI 08.0.80
Technology / Technology Group	

Issue	FI-195181
Symptom	few syslog messages "acl_hitless_sg_acl_update: ACL ptr not found" are seen on Standby Unit's session after reload.
Condition	if ip source guard is enabled on the ports belonging to standby unit, these messages will be seen on the console.
Workaround	no loss of functionality, kindly Ignore these messages.
Recovery	No recovery
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Security - IP Source Guard

