

FastIron 08.0.92 for Ruckus ICX Switches Release Notes Version 1

Supporting FastIron 08.0.92

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Document History

| Version | Summary of changes | Publication date |
|---|---|------------------|
| 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 Ruckus 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 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. |

New in This Release

Changed Behavior in Release 08.0.92

| Feature | Description |
|--|---|
| 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. |
| 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. |

Changed Behavior in Release 08.0.92

The following changes were introduced in FastIron Release 08.0.92:

- **ICX-Management command syntax:** The keyword **sz** has been replaced by the keyword **manager** in ICX-Management commands.
- **ICX 7150-C08PT web authentication:** Web based management is not supported on ICX 7150-C08PT switches. However, the command **web-management http** continues to be available since the Web authentication feature requires this command. If the user attempts to manage an ICX 7150-C08P switch through a web session, an error message is displayed.

Refer to the [Software Features](#) on page 11 section for a list of new features 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.

CLI Commands

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

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

The following MIBs were updated in 08.0.92:

- IP MIB
- Switch Group Configuration

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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 www.ruckuswireless.com/optics.

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 | SPR08092ufi.bin/SPS08092ufi.bin |
| ICX 7250 | SPR08092ufi.bin/SPS08092ufi.bin |
| ICX 7450 | SPR08092ufi.bin/SPS08092ufi.bin |
| ICX 7650 | TNR08092ufi.bin/TNS08092ufi.bin |
| ICX 7750 | SWR08092ufi.bin/SWS08092ufi.bin |
| ICX 7850 | TNR08092ufi.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 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.

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"> • ICX7150, ICX7250, ICX7450: Linux 4.4 • ICX7650, ICX7850: Linux 3.14.65 • ICX7750: 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"> • ICX7150: AQR 3.5.E • ICX7450: AQR 2.C.5 • ICX7650: 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 |

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 | |

| | |
|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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| 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 |

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| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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| 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 1 min cpu spike |
| Probability | |
| Found In | FI 08.0.90 |
| Technology / Technology Group | |

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| 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 | |

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|--------------------------------------|---|
| 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 stanby 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 |

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.

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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) |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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:l: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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 scenarios: 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| Issue | FI-197061 |
| Symptom | Occasionally, 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 | |

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|--------------------------------------|---|
| 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 | |

Resolved Issues in Release 08.0.92

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 this issue. |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - System |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|--|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 | |

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|--------------------------------------|--|
| Issue | FI-193742 |
| Symptom | Text "Failed to create task object for task TELNET_INCSSES_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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|---|
| 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 |

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|--------------------------------------|--|
| 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 | |

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|--------------------------------------|---|
| 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 |

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| 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 |

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| 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 pdcc 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 |

| | |
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| 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 |



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