

FastIron 08.0.95ca for RUCKUS ICX Switches Release Notes, Version 1

Supporting FastIron 08.0.95ca

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Document History

| Version | Summary of changes | Publication date |
|---|--|--------------------|
| FastIron 08.0.95ca for ICX Switches Version 1 | Resolved issues. | April 6, 2021 |
| FastIron 08.0.95c for ICX Switches Version 1 | This release includes the following updates: <ul style="list-style-type: none">• Resolved issue• New software features• Newly qualified optics | March 16, 2021 |
| FastIron 08.0.95bc for ICX Switches Version 1 | Resolved software issue FI-223860 | January 21, 2021 |
| FastIron 08.0.95bb for ICX Switches Version 1 | Resolved issues. | December 21, 2020 |
| FastIron 08.0.95ba for ICX Switches Version 1 | Resolved software issue FI-218550 | November 10, 2020 |
| FastIron 08.0.95b for ICX Switches Version 1 | This release includes the following updates: <ul style="list-style-type: none">• Resolved issue• Generic CLI configuration feature• Geo-redundancy feature• DHCP client MIB | November 2, 2020 |
| FastIron 08.0.95a for ICX Switches Version 1 | Introduction of the ICX 7550 Series switches. | October 5, 2020 |
| FastIron 08.0.95 for ICX Switches Version 1 | <ul style="list-style-type: none">• New software features• Resolved software issues | September 11, 2020 |

Introduction

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About RUCKUS FastIron Release 08.0.95

FastIron 08.0.95 introduces a number of new features and enhancements, including simplified security configuration, Layer 3 scale enhancements, IEEE 1588v2 PTP Transparent Clock, and DHCP client on a VE.

RUCKUS FastIron release 08.0.95a introduces the RUCKUS ICX 7550 switch series, which delivers premium performance and scalability for Wi-Fi 6 deployments and beyond with up to 48 ports of multigigabit connectivity and full 90 watts of 802.3bt PoE power per port. It offers market-leading stacking density with up to 12 switches (up to 576 gigabit, multigigabit or fiber ports) per stack and combines chassis-level performance with “pay as you grow” scalability of a stackable solution.

Document Feedback

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

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

When contacting us, include the following information:

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

For example:

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

RUCKUS Product Documentation Resources

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

Release Notes and other user documentation are available at <https://support.ruckuswireless.com/documents>. You can locate the documentation by product or perform a text search. Access to Release Notes requires an active support contract and a RUCKUS Support Portal user account. Other technical documentation content is available without logging in to the RUCKUS Support Portal.

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

Online Training Resources

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

Contacting RUCKUS Customer Services and Support

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

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

What Support Do I Need?

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

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

Open a Case

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

- Continental United States: 1-855-782-5871
- Canada: 1-855-782-5871
- Europe, Middle East, Africa, Central and South America, and Asia Pacific, toll-free numbers are available at <https://support.ruckuswireless.com/contact-us> and Live Chat is also available.
- Worldwide toll number for our support organization. Phone charges will apply: +1-650-265-0903

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

Self-Service Resources

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

- Technical Documentation—<https://support.ruckuswireless.com/documents>
- Community Forums—<https://forums.ruckuswireless.com/ruckuswireless/categories>
- Knowledge Base Articles—<https://support.ruckuswireless.com/answers>
- Software Downloads and Release Notes—https://support.ruckuswireless.com/#products_grid

- Security Bulletins—<https://support.ruckuswireless.com/security>

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

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Hardware

The following section lists new hardware introduced with this release.

New Hardware in 08.0.95a

Release 08.0.95a introduces the RUCKUS ICX 7550 Series switch, a mid range switch line that offers up to two redundant hot swappable load sharing power supplies (AC or DC), up to three hot swappable fans (exhaust or intake airflow), one RJ-45 Ethernet port for out of band network management, one USB Type-C port for console management, one RJ-45 port for serial console management, and one USB port for external file storage. MACsec and Layer 3 Premium licenses are optionally available for the ICX 7550 switches.

NOTE

Support for 100 Gbps stacking on the ICX 7550 was introduced in 08.0.95c.

TABLE 1 RUCKUS ICX 7550 Series Switches

| Switch | Description |
|--------------|---|
| ICX7550-24 | 24-port 10/100/1000 Mbps with 2-ports 40 Gbps Uplink/Stack QSFP+, module slot |
| ICX7550-48 | 48-port 10/100/1000 Mbps with 2-ports 40 Gbps Uplink/Stack QSFP+, module slot |
| ICX7550-24P | ICX 7550 24-port 10/100/1000 Mbps 802.3at POE+ with 2-ports 40 Gbps Uplink/Stack QSFP+, module slot |
| ICX7550-48P | 48-port 10/100/1000 Mbps 802.3at POE+ with 2-ports 40 Gbps Uplink/Stack QSFP+, module slot |
| ICX7550-24ZP | 12-port 10/100/1000/2500 Mbps 802.3bt POE, 12-port 100/1000/2500/50000/10000 Mbps 802.3bt POE with 2-ports 40/100 Gbps Uplink/Stack QSFP28, module slot |
| ICX7550-48ZP | 36-port 10/100/1000/2500 Mbps 802.3bt POE, 12-port 100/1000/2500/50000/10000 Mbps 802.3bt POE with 2-ports 40/100 Gbps Uplink/Stack QSFP28, module slot |
| ICX7550-24F | 24-port 1/10 Gbps with 2-ports 40/100 Gbps Uplink/Stack QSFP28, module slot |
| ICX7550-48F | 36-port 1000 Mbps SFP 12-port 1/10 Gbps SFP+ with 2-ports 40/100 Gbps Uplink/Stack QSFP28, module slot |

New Hardware in 08.0.95

No new hardware was introduced in release 08.0.95.

Software Features

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

New Software Features in 08.0.95ca

No new features were added in this release.

New Software Features in 08.0.95c

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 |
|--|---|
| Precision Time Protocol (PTP) packet prioritization and Transparent Clock (TC) | Support for this feature is added to the following platforms: ICX7850-48FS, ICX7150-24P, ICX7150-48PF, and ICX7150-C10ZP. |
| Optic Speed Detection/Auto Negotiation | ICX ports will auto-negotiate to 1Gbps or 10Gbps based on the speed of the optic inserted in the port. This speed will not change regardless of the speed at the far end. |
| DNS-based SmartZone discovery | Enables ICX switches to auto discover SmartZone using the hostname RuckusController.<DNS domain name>. |
| 100-Gbps stacking support | Support for 100-Gbps stacking on the ICX 7550 is added in this release. |
| Zero 'stack-port' or 'stack-trunk' configuration | There is no longer a requirement for designated stack-ports or stack-trunks to be present when stacking is not enabled. |
| RUCKUS Cloud support for ICX switches with pre-existing configuration | Beginning with RUCKUS Cloud release 21.03 along with FastIron 08.0.95c, RUCKUS Cloud users can onboard ICX switches without losing any pre-existing configuration. |
| 40G TAA DAC cables for ICX platforms | Support was added for new 40G TAA DAC cables. Refer to the RUCKUS Ethernet Optics Data Sheet for more information. |
| CWDM optics support on ICX7550-24F and ICX7850-48FS | The following ARRIS CWDM optics are supported on the ICX7550-24F and ICX7850-48FS: TTC1550-TL40, TTC1570-TL40, TTC1590-TL40, and TTC1610-TL40. |

New Software Features in 08.0.95bc

No new features were added in this release.

New Software Features in 08.0.95bb

No new features were added in this release.

New Software Features in 08.0.95ba

No new features were added in this release.

New Software Features in 08.0.95b

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 |
|---|---|
| Generic CLI configuration | <p>Release 08.0.95b, along with SmartZone 6.0¹, introduces capability to provision switches using predefined CLI configuration, making it easy for users to deploy any feature that ICX supports.</p> <ul style="list-style-type: none"> Group level CLI config: Users can predefine configuration for switch groups with the option to define different configurations based on the switch model. Switches will automatically inherit the configuration upon joining the group. CLI templates: CLI templates enable users to make incremental configuration changes to the selected switches. |
| Geo redundancy | Geo-Redundancy (Active-Passive mode) is now supported for switches with SmartZone 6.0. ¹ |
| DHCP client MIB | Adds SNMP support for DHCP client on a VE. |
| CLI configuration changes on RUCKUS Cloud | Release 08.0.95b along with RUCKUS Cloud Version 20.11 ² introduces capability to make configuration changes via CLI even when the switch is connected to the Cloud. |

New Software Features in 08.0.95a

No new features were added in this release.

New Software Features in 08.0.95

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.

¹ SmartZone 6.0 is scheduled to release in December 2020.

² RUCKUS Cloud Version 20.11 is scheduled to release in November 2020.

New in This Release
Software Features

| Feature | Description |
|--|--|
| Security feature enhancements | <p>FastIron 08.0.95 release brings several security feature enhancements making it easier to apply and monitor them across Layer-2 and Layer-3 images.</p> <ul style="list-style-type: none"> No reboot required Users are no longer required to reboot the switch when trying to enable DHCP/DHCP6 snooping, Dynamic ARP inspection etc. ACL-per-port-per-vlan configuration is implicitly enabled and is no longer required to be configured separately. Ability to configure security features at a VLAN level The following features can now be configured directly on a VLAN without having to create a VE interface. <ul style="list-style-type: none"> IPv4 and IPv6 ACLs Denial of Service protection MAC Access Control Lists MAC ACLs are introduced to make MAC-based traffic filter usage similar to IPv4 ACLs. MAC ACLs replace the previously supported MAC filters feature. CLI configuration will automatically be converted from MAC filters to MAC ACLs when upgrading from e releases. Source Guard ACL Source Guard ACLs are introduced to work in conjunction with IP Source Guard (IPSG). Enhanced Show commands The output is enhanced for a wide range of Access-list and security feature commands, providing easy access to feature settings. |
| MVRP with Per-VLAN STP and Per-VLAN RSTP | MVRP is enhanced to support Per-VLAN Spanning Tree (PVST). On both Layer 2 switch images and router images, PVST is enabled by default on MVRP untagged VLANs. You can use the <code>mvrp spanning-tree</code> command to choose the type of spanning tree to be added to the dynamic VLANs. |
| ICX 7850 as control bridge | ICX 7850 devices can be enabled as a control-bridge standalone or stack in an 802.1br (SPX) Campus Fabric configuration. |
| Nexthop scale enhancements | <p>A higher IP nexthop table size is supported for all platforms.</p> <p>For ICX 7850 devices, a new entry has been added to the predefined forwarding profiles. The IP nexthop table size has been added to the predefined forwarding profile for these devices.</p> |
| Unicast and Multicast scale enhancements on the ICX 7850 | New forwarding profiles with enhanced unicast and multicast scale numbers are supported in this release. |
| FDB scale enhancements for the ICX 7850 | For the ICX 7850, the maximum number of FDB table entries has been increased, and four predefined forwarding profiles are now supported. |
| Slowpath forwarding of IPv4 and IPv6 multicast packets | The slow path forwarding of IPv4 and IPv6 multicast data packets is enabled by default for PIM-SM groups and disabled by default for PIM-SSM groups. Default settings for slow path forwarding of IPV4 and IPV6 multicast data packets can be changed by configuration. |
| Show IP traffic for TCP and UDP statistics | The command output for the show ip traffic and show ipv6 traffic commands was modified to show more detailed information for Transmission Control Protocol (TCP) and User Datagram Protocol (UDP) statistics. |
| DHCP client on non-default Virtual Ethernet port | The DHCP client can now be enabled for a non-default Virtual Ethernet (VE) port. By default, the DHCP client is enabled for the default VE port. |
| IEEE 1588v2 PTP Transparent Clock | PTP ensures clock synchronization in a packet-based network corrects the latency and time delays. A Transparent Clock (TC) measures the time taken for a PTP event message to transit the device, and provides this information to clocks receiving this PTP event message. |

| Feature | Description |
|---|--|
| Inter-VRF route leaking using static routes | VRF route leaking between different VRFs allows you to share selective route information between different VRFs. Inter-VRF route leaking allows leaking of route prefixes from one VRF instance to another VRF instance on the same physical router, which eliminates the need for external routing. |
| L3 syslog for IPv6 route table exhaust | Added Syslogs that indicate the routing table is full. |
| VxLAN support | VXLAN support is extended to ICX 7650 and ICX 7850. |

Changed Behavior in Release 08.0.95

Please note that Campus Fabric is supported in 08.0.95 and will continue to be supported in 08.0.95 maintenance releases. Campus Fabric will not be supported in later FastIron releases, such as 09.0.0.

Refer to the [Software Features](#) on page 12 section for a list of new features in the 08.0.95 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 08.0.95.

New Commands for FastIron 08.0.95c

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

- **ipv6 nd ra-route-info-optio**

Modified Commands for FastIron 08.0.95c

The following commands have been modified in this release.

- **show ipv6 interface**
- **show running-config**
- speed-duplex

New Commands for FastIron 08.0.95b

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

- **manager backup**

Deprecated Commands for FastIron 08.0.95b

The following commands have been deprecated in this release.

- **manager passive**

New Commands in 08.0.95

- `access-list accounting timer`
- `authentication filter`
- `enable accounting (ACL)`
- `inline power poe-ha`
- `ip dhcp-client ve`
- `ip sg-access-group`
- `ip sg-access-list`
- `ipv6 access-group`
- `ipv6 nd stale-time`
- `logmgr clear-fetched-logs`
- `logmgr fetch`
- `logmgr list`
- `lsdb-limit`
- `lsdb-overload-interval`
- `mac access-group`
- `mac access-list`
- `mvrp spanning-tree`
- `ptp-clock transparent`
- `show access-list accounting vlan`
- `show access-list software cam`
- `show access-list tcam`
- `show file-manager details`
- `show ip access-list bindings`
- `show ip access-list brief`
- `show ipv6 access-lists bindings`
- `show ipv6 access-lists brief`
- `show log debug`
- `show mac access-lists`
- `show mac access-lists bindings`
- `show mac access-lists brief`
- `show mac access-lists name`
- `show policy-routing (PBR)`
- `show ptp-clock`
- `show running-config access-list`
- `slow-path-forwarding`
- `system-max ip6-neighbor`

Modified Commands in 08.0.95

- clear arp
- clear dhcp
- clear ipv6 neighbor
- forwarding-profile
- ip access-group
- ip access-list
- ip dhcp snooping relay information disable
- ip dhcp snooping vlan
- ip dscp-remark
- ip igmp max-response-time
- ip pcp-remark
- ip route
- ipv6 access-list
- ipv6 dhcp6 snooping vlan
- ipv6 mld max-response-time
- ipv6 route
- show access-list all
- show access-list accounting
- show arp
- show default values
- show forwarding-profile
- show hardware ipv6-route
- show hardware nexthop usage
- show hardware route
- show interfaces ethernet
- show ip arp inspection entries
- show ip dhcp relay information
- show ip dhcp relay information brief
- show ip dhcp snooping
- show ip dhcp snooping info
- show ip igmp group
- show ip pim resource
- show ip pim sparse
- show ip route
- show ip tcp traffic
- show ip traffic
- show ipv6 dhcp6 snooping
- show ipv6 dhcp6 snooping info

New in This Release

CLI Commands

- `show ipv6 neighbor`
- `show ipv6 ospf`
- `show ipv6 pim resource`
- `show ipv6 pim sparse`
- `show ipv6 rguard`
- `show ipv6 route`
- `show ipv6 tcp traffic`
- `show ipv6 traffic`
- `show mvrp`
- `source-guard enable`
- `system-max ip6-cache`
- `traffic-policy rate limit adaptive`
- `traffic-policy rate limit fixed`

Deprecated Commands in 08.0.95

- `acl-logging`
- `acl-policy`
- `authentication auth-filter` (Flex auth)
- `dot1x auth-filter`
- `enable-accounting` (ACL)
- `enable acl-per-port-per-vlan`
- `enable nd hop-limit`
- `ip dhcp snooping flash-update-interval`
- `ipv6 traffic-filter`
- `logging-enable`
- `mac filter`
- `mac filter enable-accounting`
- `mac filter log-enable`
- `mac filter-group`
- `mac filter-group log-enable`
- `show access-list named-acl`
- `show access-list hw-usage`
- `show acl-policy info`
- `show ip dhcp snooping flash`
- `show l2 dist-filter-list`
- `show l2 filter-list`
- `suppress acl-seq`
- `system-max hw-traffic-conditioner`
- `system-max l3-vlan`

- `system-max max-dhcp-snoop-entries`
- `system-max max-static-inspect-arp-entries`

RFCs and Standards

Support for the following IEEE standards were introduced in release 08.0.95:

- IEEE 802.3bt Ethernet Amendment 2: Physical Layer and Management Parameters for PoE over 4 pairs. Supported on the ICX 7550 only.
- IEEE 1588v2 Precision Timing Protocol (PTP) Transparent Clock. Supported on the following models: ICX7150-24, ICX7150-C12P, ICX7850-48F, and ICX7850-32Q

MIBS

Support for the following MIB was added in 08.0.95b:

- DHCP Client MIB

Support was added for the following MIBs in 08.0.95:

- RUCKUS ACL MIB
- MIB support for switch port groups
- SNMP support for the ICX 7550 models

Hardware Support

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Supported Devices

The following devices are supported in releases 08.0.95 and 08.0.95a.

Supported Platforms in 08.0.95a

- ICX 7150 Series (ICX 7150-C08P, ICX7150-C08PT, ICX7150-C10ZP, ICX7150-C12P, ICX7150-24, ICX7150-24F, ICX7150-24P, ICX7150-48, ICX7150-48P, ICX7150-48PF, ICX7150-48ZP)
- ICX 7250 Series (ICX7250-24, ICX7250-24G, ICX7250-24P, ICX7250-48, ICX7250-48P)
- ICX 7450 Series (ICX7450-24, ICX7450-24P, ICX7450-32ZP, ICX7450-48, ICX7450-48F, ICX7450-48P)
- ICX 7550 Series (ICX7550-24, ICX7550-48, ICX7550-24P, ICX7550-48P, ICX7550-24ZP, ICX7550-48ZP, ICX7550-24F, ICX7550-48F)
- ICX 7650 Series (ICX7650-48P, ICX7650-48ZP, ICX7650-48F)
- ICX 7750 Series (ICX7750-26Q, ICX7750-48C, ICX7750-48F)
- ICX 7850 Series (ICX7850-32Q, ICX7850-48FS, ICX7850-48F)

Supported Platforms in 08.0.95

- ICX 7150 Series (ICX 7150-C08P, ICX7150-C08PT, ICX7150-C10ZP, ICX7150-C12P, ICX7150-24, ICX7150-24F, ICX7150-24P, ICX7150-48, ICX7150-48P, ICX7150-48PF, ICX7150-48ZP)
- ICX 7250 Series (ICX7250-24, ICX7250-24G, ICX7250-24P, ICX7250-48, ICX7250-48P)
- ICX 7450 Series (ICX7450-24, ICX7450-24P, ICX7450-32ZP, ICX7450-48, ICX7450-48F, ICX7450-48P)
- ICX 7650 Series (ICX7650-48P, ICX7650-48ZP, ICX7650-48F)
- ICX 7750 Series (ICX7750-26Q, ICX7750-48C, ICX7750-48F)
- ICX 7850 Series (ICX7850-32Q, ICX7850-48FS, ICX7850-48F)

Default Username and Password

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

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

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

Supported Power Supplies

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

Supported Optics

For a list of supported fiber-optic transceivers that are available from RUCKUS, refer to the latest version of the RUCKUS Ethernet Optics Family Data Sheet available online at <https://www.commscope.com/globalassets/digizuite/61722-ds-ethernet-optics-family.pdf>.

NOTE

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

Upgrade Information

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Image File Names

Download the following FastIron 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.

For detailed instructions on how to upgrade to a new FastIron release, see the [RUCKUS FastIron Software Upgrade Guide](#).

| Device | UFI file name (boot, image) |
|----------|-------------------------------------|
| ICX 7150 | SPR08095caufi.bin/SPS08095caufi.bin |
| ICX 7250 | SPR08095caufi.bin/SPS08095caufi.bin |
| ICX 7450 | SPR08095caufi.bin/SPS08095caufi.bin |
| ICX 7550 | GZR08095caufi.bin/GZS08095caufi.bin |
| ICX 7650 | TNR08095caufi.bin/TNS08095caufi.bin |
| ICX 7750 | SWR08095caufi.bin/SWS08095caufi.bin |
| ICX 7850 | TNR08095caufi.bin |

PoE Firmware Files

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

| Device | Firmware version | File name |
|----------|------------------|------------------------------|
| ICX 7150 | 2.1.8 fw | icx7xxx_poe_02.1.8.b004.fw |
| ICX 7250 | 2.1.8 fw | icx7xxx_poe_02.1.8.b004.fw |
| ICX 7450 | 2.1.8 fw | icx7xxx_poe_02.1.8.b004.fw |
| ICX 7550 | 2.1.8 fw | icx7xxx_poe_01.54.00.b001.fw |
| ICX 7650 | 2.1.8 fw | icx7xxx_poe_02.1.8.b004.fw |

The firmware files are specific to their devices and are not interchangeable. For example, you cannot load ICX 7250 firmware on an ICX 7450 device.

Upgrade Information

Open Source and Third Party Code

NOTE

Please note the following recommendations and notices:

- Inline power is enabled by default as of FastIron release 08.0.70.
- As of FastIron release 08.0.70 **legacy-inline-power** configuration is disabled by default.
- Data link operation is decoupled from inline power by default as of FastIron release 08.0.70.
- Use the **[no] inline power** command to enable and disable POE on one or a range of ports.
- Data link operation is coupled with inline power using the command **inline power ethernet x/x/xcouple-datalink** in Privileged EXEC mode or in interface configuration mode using the command **inline powercouple-datalink**. The PoE behavior remains the same as in releases prior to 08.0.70 (08.0.30, 08.0.40, 08.0.50, 08.0.61).
- Do not downgrade PoE firmware from the factory installed version. When changing the PoE firmware, always check the current firmware version with the **show inline power detail** command, and make sure the firmware version you are installing is higher than the version currently running.
- The PoE microcontrollers are pre-programmed at the factory. The firmware can be loaded as an external file. The PoE firmware version string will be kept updated to match the corresponding FastIron software version; however, this is only a cosmetic change, and the firmware itself remains unchanged. If a new version of the code is released, Ruckus Technical Support will notify its customers of the needed code upgrade. Finally, in the remote case that a failure occurs during an upgrade process, the switch would still be functional but without PoE circuitry. If you encounter such an issue, please contact Ruckus Technical Support.
- PoE firmware will auto upgrade to version 2.1.0 fw during the loading of FastIron Release 08.0.80. This auto upgrade of the PoE firmware will add approximately 10 minutes to the loading of FastIron Release 08.0.80 on ICX 7150, ICX 7250, ICX 7450, and ICX 7650 devices.

Open Source and Third Party Code

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

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

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

Resolved Issues in Release 08.0.95ca

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.95ca.

| | |
|--------------------------------------|---|
| Issue | FI-237006 |
| Symptom | License check for 7150 switches with non BOOTUP STACK UNITS causing stack not to come up. |
| Condition | This happens during 8095b to 8095c upgrade. |
| Workaround | None |
| Recovery | Upgrade to 8095ca instead of 8095c. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-232127 |
| Symptom | Fortinet FAP-431F Access Point is not getting powered on switch reboot. |
| Condition | If inline power power-limit is set, then AP(Fortinet FAP-431F) is not getting powered on switch reboot. |
| Workaround | Issue is not seen with 1) default inline power config 2) inline power power-by-class 3. |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Management - PoE/PoE+ - Power over Ethernet |

| | |
|--------------------------------------|---|
| Issue | FI-236622 |
| Symptom | When ICX is operated as a standalone or stack disabled mode, data traffic gets blocked on the stacking module ports after upgrade to 8095c. ARP address resolution or DHCP address allocation fails for client which is connected through stack port. |
| Condition | This is seen on standalone ICX when stacking is disabled |
| Workaround | Remove stack-port configuration and reload the Standalone ICX |
| Recovery | |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - IP Addressing |

Resolved Issues in Release 08.0.95ca

| | |
|--------------------------------------|--|
| Issue | FI-234257 |
| Symptom | The link between ICX-7850-48FS and ICX-7550-48ZP is up on ICX7550 side and down on ICX7850 side. |
| Condition | When connected with 1Gb fiber SFP, the link between ICX-7850-48FS and ICX-7550-48ZP is up on ICX7550 side and down on ICX7850 side |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.95 |
| Technology / Technology Group | System - Optics |

Resolved Issues in Release 08.0.95c

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.95c.

| | |
|--------------------------------------|--|
| Issue | FI-226756 |
| Symptom | 10G link stays down after multiple reboots(3 to 18) of peer device(FXT) |
| Condition | Unplug and replug 10G OPTIC/SFP on ICX7850 and Reboot peer device(FXT) multiple times |
| Workaround | None |
| Recovery | One of the below steps helps in recovery 1)Reload of peer FXT device 2)Reload of ICX 3)disable and enable the port on ICX(sometimes it is not working) |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | System - System |

| | |
|--------------------------------------|---|
| Issue | FI-228332 |
| Symptom | The routes learnt through BGP are not deleted from routing table for 10 min after the peer is down. |
| Condition | When the Standby unit in the Stack is powered off, through which EBGp routes are learnt, some of the IP routes are not deleted for 10 min after the peer is down. |
| Workaround | |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.90 FI 08.0.92 FI 08.0.95 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - BGP4 - IPv4 Border Gateway Protocol |

| | |
|--------------------------------------|---|
| Issue | FI-229372 |
| Symptom | Mitel phones not getting the phone server IP address. |
| Condition | When ICX is used as DHCP Server, Mitel phones not getting the phone server IP address through DHCP option 43. |
| Workaround | |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.90 FI 08.0.92 FI 08.0.95 |
| Technology / Technology Group | Management - DHCP (IPv4) |

| | |
|--------------------------------------|---|
| Issue | FI-225709 |
| Symptom | OSPF routes are not seen in the Areas in which they are not originated. |
| Condition | After reload, OSPF routes not seen in the Areas in which they are not originated. |
| Workaround | Disabling and Enabling the interface through which the routes are originated. |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First |

Resolved Issues in Release 08.0.95c

| | |
|--------------------------------------|---|
| Issue | FI-223864 |
| Symptom | Ping from any host to customer CPE device(IP received via dhcp) routed via ICX router was not working. |
| Condition | Change the mode of customer CPE device from Router Mode to Bridge Mode |
| Workaround | |
| Recovery | Delete the static route configured wait for sometime and reapply of static route helps in recovery Reboot of ICX device also helps |
| Probability | Medium |
| Found In | FI 08.0.70 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol |

| | |
|--------------------------------------|---|
| Issue | FI-224274 |
| Symptom | ICX switch running switch image duplicate unicast ARP Request packets causing multiple ARP replies for a single request |
| Condition | 1. Send ARP Request packet not destined to the switch. |
| Workaround | |
| Recovery | |
| Probability | |
| Found In | FI 08.0.92 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-224274 |
| Symptom | ICX switch running switch image duplicate unicast ARP Request packets causing multiple ARP replies for a single request |
| Condition | 1. Send ARP Request packet not destined to the switch. |
| Workaround | |
| Recovery | |
| Probability | |
| Found In | FI 08.0.92 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-221538 |
| Symptom | Unable to stack the units with stack zero touch or manually. |
| Condition | Unable to stack the units with stack zero touch or manually when the Stack ports 1/3/x and 1/4/x are 10G. |
| Workaround | |
| Recovery | Stacking is allowed with the ports 1/3/x and 1/4/x only if 40G ports. |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Stacking - Stack Management |

| | |
|--------------------------------------|---|
| Issue | FI-217958 |
| Symptom | Port continues being part of MSTP after doing no spanning-tree on the interface |
| Condition | Tried to remove port from MSTP |
| Workaround | None |
| Recovery | do spanning-tree and no spanning-tree on interface for recovery |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Layer 2 Switching - xSTP - Spanning Tree Protocols |

| | |
|--------------------------------------|--|
| Issue | FI-222217 |
| Symptom | Unable to overwrite DHCP IP address from Web GUI. |
| Condition | With dynamic IP and DNS Server addresses obtained, unable to overwrite the same through Web GUI. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - DHCP - Dynamic Host Configuration Protocol |

| | |
|--------------------------------------|---|
| Issue | FI-220355 |
| Symptom | SZ Config backup might not wor |
| Condition | When commands 'no telnet server' and 'ip telnet source-interface' are configured at the same time |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Management |

| | |
|--------------------------------------|--|
| Issue | FI-218274 |
| Symptom | CRC errors are getting incremented in 40G stack ports |
| Condition | CRC errors might be seen on module 3 stack ports in ICX7750. |
| Workaround | Reload the stack unit |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Stacking - Traditional Stacking |

Resolved Issues in Release 08.0.95c

| | |
|--------------------------------------|--|
| Issue | FI-218550 |
| Symptom | 7150 stuck in boot mode after power outage |
| Condition | Random power outage |
| Workaround | None |
| Recovery | TFTP of FI image needs to be done from boot prompt at primary or secondary |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - System |

| | |
|--------------------------------------|---|
| Issue | FI-218658 |
| Symptom | ICX DHCP Client is not getting dynamic IP address. |
| Condition | When ICX DHCP Client is connected to Palo Alto DHCP Server, ICX is not getting the dynamic IP address assigned. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.92 |
| Technology / Technology Group | Management - DHCP (IPv4) |

| | |
|--------------------------------------|---|
| Issue | FI-217870 |
| Symptom | 40GE-LR4 links may not come up after reload. |
| Condition | After a power loss or a reload, some 40GE-LR4 links do not come up. |
| Workaround | Disable/Enable recovers the link. |
| Recovery | Another reload or disable/enable recovers the 40GE-LR4 link. |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | System - Optics |

| | |
|--------------------------------------|--|
| Issue | FI-208489 |
| Symptom | Link may not come up when a 100M M-FX-SR SFP is used to connect to a remote device, after switch reboot. |
| Condition | Connect ICX and a remote device using 100M M-FX-SR SFP. |
| Workaround | NA |
| Recovery | Port disable and enable will recover the issue. |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | System - Optics |

| | |
|--------------------|--|
| Issue | FI-223444 |
| Symptom | No PoE functionality on one or more member units of stack. PDs on member unit ports are not powered. |
| Condition | When a stack is rebooted or upgraded, some of the units might not initialize PoE functionality. |
| Workaround | Reload the unit where PoE is not functional using "reload unit <unit-id>". Or upgrade to latest image. |
| Recovery | Reload the unit where PoE is not functional using "reload unit <unit-id>". |
| Probability | |
| Found In | FI 08.0.95 FI 09.0.00 |

Resolved Issues in Release 08.0.95bc

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.95bc.

| | |
|--------------------------------------|---|
| Issue | FI-223860 |
| Symptom | When a switch is onboarded to the Ruckus Cloud, the Switch does not take the configuration from the Ruckus Cloud. |
| Condition | Onboarding a new switch on the Ruckus Cloud. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Cloud Management |

Resolved Issues in Release 08.0.95bb

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.95bb.

| | |
|--------------------------------------|--|
| Issue | FI-220756 |
| Symptom | On an ICX managed by SmartZone and configured with 50 or more VLAN, a CPU spike may be observed for every 5 min. |
| Condition | The CPU spike is observed only when ICX is managed by SmartZone. |
| Workaround | Reduce the number configured VLANs to less than 50. |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.90 FI 08.0.92 FI 08.0.95 |
| Technology / Technology Group | Cloud Management - Switch Registrar/Tunnel Aggregator |

| | |
|--------------------------------------|---|
| Issue | FI-218658 |
| Symptom | ICX DHCP Client is not getting dynamic IP address. |
| Condition | When ICX DHCP Client is connected to Palo Alto DHCP Server, ICX is not getting the dynamic IP address assigned. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.92 |
| Technology / Technology Group | Management - DHCP (IPv4) |

Resolved Issues in Release 08.0.95ba

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.95ba.

| Issue | FI-218550 |
|-------------------------------|--|
| Symptom | 7150 stuck in boot mode after power outage |
| Condition | Power outage |
| Workaround | None |
| Recovery | TFTP of FI image needs to be done from boot prompt at primary or secondary |
| Probability | |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - System |

Resolved Issues in Release 08.0.95b

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.95b.

| | |
|--------------------------------------|--|
| Issue | FI-219089 |
| Symptom | Incorrect watch port was displayed while retrieving open flow dump-groups information from the controller. |
| Condition | 1. Configure open-flow groups in the ICX using open flow controller. 2. Retrieve open flow dump-groups information using controller. |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.80 FI 08.0.92 |
| Technology / Technology Group | |

Resolved Issues in Release 08.0.95

This section lists software issues with Critical, High, and Medium Technical Severity that were resolved with a code change in release 08.0.95.

| | |
|--------------------------------------|---|
| Issue | FI-216846 |
| Symptom | Device might reload unexpectedly due to excessive usage of memory and memory leak. |
| Condition | High number of RSTP events and port flap in short period of time can cause the Memory leak. |
| Workaround | NA |
| Recovery | NA |
| Probability | |
| Found In | FI 08.0.30 |
| Technology / Technology Group | Layer 2 Switching - xSTP - Spanning Tree Protocols |

| | |
|--------------------------------------|--|
| Issue | FI-216132 |
| Symptom | DHCP snooping lease time decreasing too slow compared to show clock output. |
| Condition | 1. Configure DHCP snooping 2. Compare show clock and DHCP snooping lease time value. There will be a huge time difference after few hours. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.30 FI 08.0.90 FI 08.0.92 |
| Technology / Technology Group | Management - DHCP (IPv4) |

| | |
|--------------------------------------|--|
| Issue | FI-214870 |
| Symptom | ICX7450 slot 2 4x10GF ports traffic forwarding failed while having stacking and MACsec configured simultaneously. |
| Condition | The issue is ICX7450 slot 2 4x10GF module specific because of HW limitations. SW sanity check has been added to avoid stacking and MACsec configured simultaneously on ICX7450 slot 2 4x10GF module. |
| Workaround | Move stacking port configuration onto slot 3 or 4. |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Security - MACsec - Media Access Control security |

Resolved Issues in Release 08.0.95

| | |
|--------------------------------------|--|
| Issue | FI-192530 |
| Symptom | DOS attack 'ip tcp burst' and 'ip icmp attack-rate' don't work as expected, when the traffic is destined for subnet broadcast. |
| Condition | when DOS attack ICMP/TCP traffic is sent with destination IP as subnet broadcast IP. |
| Workaround | No |
| Recovery | |
| Probability | |
| Found In | FI 08.0.61 |
| Technology / Technology Group | Security - DoS (Denial of Service) protection |

| | |
|--------------------------------------|--|
| Issue | FI-209171 |
| Symptom | When sending TCP packet with TTL as 1 and the destination IP address as unknown, CPU spikes to 99%. |
| Condition | 1. Send TCP packet with TTL as 1 and the destination IP address as unknown 2. CPU will be increased to 99%. 3. Issue is seen with or without DOS commands. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Security - ACLs - Access Control Lists |

| | |
|--------------------------------------|--|
| Issue | FI-213144 |
| Symptom | ICX device may occasionally go for an unexpected reload when NTP domain name server is configured. |
| Condition | If the NTP server has more than 8 names registered with domain name server and when DNS returns more than 8 names during lookup, ICX might reload. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Management - NTP - Network Time Protocol |

| | |
|--------------------------------------|--|
| Issue | FI-214174 |
| Symptom | Unexpected re-load of the ICX device when CPU profiled data is dumped on the console. |
| Condition | After collecting CPU profiling data, execute the command "cpu profiling show" multiple times on the console. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Monitoring/RAS |

| | |
|--------------------------------------|---|
| Issue | FI-211738 |
| Symptom | 7250 lost licenses and config after upgrading from 8030 to 8090 |
| Condition | 1.Load 8030 image 2. After upgrading the device from 8030 to 8090, Licenses and config will be lost |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - System |

| | |
|--------------------------------------|---|
| Issue | FI-213990 |
| Symptom | Static Route is not getting updated in the Routing table |
| Condition | 1. Add a new static route 2. Add a prefix list with respect to that static route. |
| Workaround | |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.30 FI 08.0.90 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - Static Routing (IPv4) |

| | |
|--------------------------------------|--|
| Issue | FI-214152 |
| Symptom | In show running-config command's O/P the IP ACL entries were correct, but the display was not indented correctly |
| Condition | Step 1: configure IP ACL with some entries Step 2: Apply command: show running-config |
| Workaround | No workaround |
| Recovery | |
| Probability | |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Security - ACLs - Access Control Lists |

| | |
|--------------------------------------|---|
| Issue | FI-212451 |
| Symptom | Occasionally, Incoming SSH connection fail to a L3 switch. When this happens new connections are not getting allowed. |
| Condition | Incoming ssh to a L3 switch might fail. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Management - SSH2 & SCP - Secure Shell & Copy |

Resolved Issues in Release 08.0.95

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

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|--------------------------------------|--|
| Issue | FI-199753 |
| Symptom | Hostname configured statically through CLI will be overwritten by hostname received through DHCP messages. |
| Condition | 1. Configure the hostname through CLI in ICX. 2. Configure the different hostname for clients at DHCP server. 3. hostname will be replaced once ICX receives the offer message from DHCP server. |
| Workaround | NA |
| Recovery | NA |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - DHCP - Dynamic Host Configuration Protocol |

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

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

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

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

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

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

Resolved Issues in Release 08.0.95

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

| | |
|--------------------------------------|---|
| Issue | FI-209998 |
| Symptom | Port speed of the 100M SFP member port in stacking configured with 100-fx command changes from 100M to 1G |
| Condition | Reload of member unit or entire stack |
| Workaround | Delete and Reconfigure the member port with 100-fx command after reload |
| Recovery | Delete and Reconfigure the member port with 100-fx command after reload |
| Probability | High |
| Found In | FI 08.0.30 |
| Technology / Technology Group | System - System |

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|--------------------------------------|---|
| Issue | FI-211374 |
| Symptom | Customer with old ACL configuration commands running any 8030 patch version would not be able to upgrade to 8090 patch releases in two steps. It needs three setup upgrade. |
| Condition | This issue is found when user with old ACL configuration commands, running any 8030 patch version try to upgrade to 8090x patch release. |
| Workaround | The upgrade can still be done in a three step process. Upgrade from 8030 patches to 8070 latest patch, then to 8080e patch and then finally to 8090 patch release. |
| Recovery | Not applicable. |
| Probability | Medium |
| Found In | FI 08.0.80 FI 08.0.90 |
| Technology / Technology Group | Management - Software Installation & Upgrade |

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|--------------------------------------|---|
| Issue | FI-210594 |
| Symptom | 802.1x over IPsec VPN not working. Radius request with Packet size > 1762 gets dropped. |
| Condition | 802.1x over IPsec VPN not working. Radius request with Packet size > 1762 gets dropped. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | Security - 802.1x Port-based Authentication |

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|--------------------------------------|---|
| Issue | FI-210784 |
| Symptom | Sometimes SSH client was logged out unexpectedly |
| Condition | Reverse SSH TCP forwarding channels might use up system SSH channel resource and forcefully log out the existing SSH client. SSH client and TCP forwarding channel limit check has been added to avoid the issue. |
| Workaround | |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Management - SSH2 & SCP - Secure Shell & Copy |

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

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

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

Resolved Issues in Release 08.0.95

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|--------------------------------------|---|
| Issue | FI-209479 |
| Symptom | ACL name gets removed from the running config when we remove and add the same ACL through tftp config copy command. |
| Condition | Run a tftp config copy command to remove and add same ACL. |
| Workaround | Run the delete ACL script and add ACL script separately. |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Security - ACLs - Access Control Lists |

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|--------------------------------------|---|
| Issue | FI-209587 |
| Symptom | Mobotix camera is not powering up when connected to PoH ports (1 to 8) in ICX7450-P. |
| Condition | When Mobotix camera is connected to PoH ports (1 to 8) in ICX7450, the camera won't be powered up. Note: If Mobotix camera supports only half duplex mode, then the camera can't be connected to 2.5g PoH ports in ICX7150-48ZP and ICX7650-48ZP. |
| Workaround | |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.90 FI 08.0.92 |
| Technology / Technology Group | Management - PoE/PoE+ |

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

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|--------------------------------------|---|
| Issue | FI-208411 |
| Symptom | switch changes the port speed from 100-full to 100-half on reload of the device |
| Condition | Reload of the device |
| Workaround | Reconfigure the port with 100-full configuration after reload of the device |
| Recovery | Recovers on re-configuration after reload |
| Probability | High |
| Found In | FI 08.0.30 |
| Technology / Technology Group | System - System |

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

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

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

Resolved Issues in Release 08.0.95

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

| | |
|--------------------------------------|--|
| Issue | FI-207936 |
| Symptom | Port link down is seen on megamind with 40GE LM optics |
| Condition | Publication:Ports are connected back to back between ICX7850-32Q devices. Multiple reloads of device 1 or device 2 or both the devices |
| Workaround | None |
| Recovery | Admin disable/enable of port helped sometimes in recovery. Setting speed to 40Gb helped few times in recovery. |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | System - System |

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

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|--------------------------------------|---|
| Issue | FI-208346 |
| Symptom | Upgrade to 8090 release sometimes causes unexpected reload of the ICX device. |
| Condition | Upgrade to 8090 release |
| Workaround | The device comes up gracefully after the 2nd boot |
| Recovery | Automatically recovers after the 2nd boot |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Management - Software Installation & Upgrade |

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

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

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

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|--------------------------------------|--|
| Issue | FI-207613 |
| Symptom | Link is not coming up for a port while configuring the gig-default neg-off configuration on FCX648s-HPOE 8.0.30h fiber port. Peer device port is configured with neg-off configuration |
| Condition | gig-default neg-off configuration on FCX648s-HPOE 8.0.30h fiber port |
| Workaround | Reload of device |
| Recovery | Reload of device |
| Probability | High |
| Found In | FI 08.0.30 |
| Technology / Technology Group | System - System |

Resolved Issues in Release 08.0.95

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|--------------------------------------|--|
| Issue | FI-207596 |
| Symptom | LG STB electronic devices loss connectivity with ICX devices. |
| Condition | When VLAN movement happens on MAC authentication, LG Set top boxes loss connectivity with ICX devices. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.90 FI 08.0.91 |
| Technology / Technology Group | Security - MAC Port-based Authentication |

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|--------------------------------------|--|
| Issue | FI-206986 |
| Symptom | SmartZone Config Backup does not work. |
| Condition | When 'telnet server enable vlan x' is configured, SZ config backup feature is not working. |
| Workaround | Remove the configuration, 'telnet server enable vlan x'. |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Management - Configuration Fundamentals |

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|--------------------------------------|---|
| Issue | FI-206861 |
| Symptom | Unexpected reload can be observed in a stack and some of the members can be disconnected. |
| Condition | When ever we receive the EAPOL response length exceeding the limit we might see the unexpected reload |
| Workaround | NA |
| Recovery | NA |
| Probability | Low |
| Found In | FI 08.0.30 |
| Technology / Technology Group | Security - 802.1x Port-based Authentication |

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

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|--------------------------------------|---|
| Issue | FI-206570 |
| Symptom | Will experience excessive DHCP snooping syslog on DHCP snooping trusted port |
| Condition | Getting IP address from DHCP server will print this syslog Initiation of request for IP address from DHCP client to server will exchange many packets in the following order client to server ---- Discover server to client --- Offer client to server -- Request server to client - ACK When ACK is received on DHCP snooping trusted port this syslog will be logged |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Security |

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|--------------------------------------|--|
| Issue | FI-206214 |
| Symptom | SFLOW Counter samples does not have proper values and contain only zeros |
| Condition | Configure SFLOW in non-active unit interface and reload stack |
| Workaround | SFLOW disable and re-enable |
| Recovery | SFLOW disable and re-enable |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Monitoring - sFlow |

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|--------------------------------------|--|
| Issue | FI-204830 |
| Symptom | SFLOW counter samples might not be received. |
| Condition | Configure SFLOW and reload the ICX device |
| Workaround | Disable and re-enable SFLOW |
| Recovery | Disable and re-enable SFLOW |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Monitoring - sFlow |

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|--------------------------------------|---|
| Issue | FI-194362 |
| Symptom | New SSH Sessions might be rejected by the device. |
| Condition | Rare condition where Log-out Accounting never comes to an end for a particular SSH session. |
| Workaround | None |
| Recovery | Reload of the device. |
| Probability | Low |
| Found In | FI 08.0.30 |
| Technology / Technology Group | Management - SSH2 & SCP - Secure Shell & Copy |

Resolved Issues in Release 08.0.95

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|--------------------------------------|---|
| Issue | FI-183000 |
| Symptom | "show cli-command-history" does not display output in page mode. |
| Condition | "show cli-command-history" output is not displayed in page mode even after executing "page-display" command |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | |
| Technology / Technology Group | |

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|--------------------------------------|---|
| Issue | FI-185942 |
| Symptom | If SPX setup receives LLC packet with DSAP and SSAP values 0x8940 or 0x89CB, the packet is looped in the network. |
| Condition | SPX setup receives LLC packet with DSAP and SSAP values as 0x8940 or 0x89CB |
| Workaround | None |
| Recovery | |
| Probability | Medium |
| Found In | FI 08.0.60 |
| Technology / Technology Group | Security - Stack Management |

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|--------------------------------------|---|
| Issue | FI-186386 |
| Symptom | Crash due to command "dm cpu filock clear" |
| Condition | command "'d cpu filock clear" when executed is crashing the device. |
| Workaround | N/A |
| Recovery | N/A |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - System |

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

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|--------------------------------------|---|
| Issue | FI-186770 |
| Symptom | 1. When ICX is configured with a flow that should send PacketIn messages to the controller only when "no flow entries are matched", the ICX is instead sending PacketIn messages with the "reason" field set to "0" (NO_MATCH) when there is actually match with the flow entries 2. When ICX is configured with a flow that should send PacketIn messages to the controller only for packets that have matched flow entries, the ICX is sending PacketIn messages as expected but the reason code is set to "0" (NO_MATCH) |
| Condition | ICX is configured with a flow that should send PacketIn messages to the controller only when "no flow entries are matched" OR ICX is configured with a flow that should send PacketIn messages to the controller only for packets that have matched flow entries |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.70 |
| Technology / Technology Group | SDN - OpenFlow |

| | |
|--------------------------------------|---|
| Issue | FI-186891 |
| Symptom | Telnet from ICX7150 to Cisco ASA devices fail. |
| Condition | Cisco ASA negotiates to use terminal type for telnet access. Terminal-type command is not supported by ICX. |
| Workaround | |
| Recovery | |
| Probability | |
| Found In | FI 08.0.70 |
| Technology / Technology Group | Other - Other |

| | |
|--------------------------------------|---|
| Issue | FI-187565 |
| Symptom | When all the ports in lag is removed, the ICX device reloads spontaneously. |
| Condition | LAG is configured on an ICX device and all the ports in lag are removed. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.61 |
| Technology / Technology Group | Layer 2 Switching - LAG - Link Aggregation Group |

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|--------------------------------------|---|
| Issue | FI-187642 |
| Symptom | OSPF neighborship stuck in EXSTART/EXCHG state. |
| Condition | When the interface is disabled and enabled and if opaque LSA is received, the OSPF neighborship stuck in EXSTART/EXCHG state. |
| Workaround | None |
| Recovery | None |
| Probability | Medium |
| Found In | FI 08.0.70 FI 08.0.61 FI 08.0.30 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First |

Resolved Issues in Release 08.0.95

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|--------------------------------------|--|
| Issue | FI-188544 |
| Symptom | When BUM rate limits are configured on all the ports, stack loops might be observed. |
| Condition | BUM rate limiting is configured on all ports of a switch. |
| Workaround | None |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.70 |
| Technology / Technology Group | Security - ACLs - Access Control Lists |

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

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|--------------------------------------|---|
| Issue | FI-189401 |
| Symptom | When Broadcast/Multicast/unknown-unicast logging/dampening feature is configured on most of the interfaces and the MAC-filter is applied, the MAC-filter fails to add even though there are enough hardware resource available. |
| Condition | Broadcast/Multicast/unknown-unicast logging/dampening feature is configured on many interfaces and the MAC filter is being applied on the interface. |
| Workaround | None |
| Recovery | |
| Probability | High |
| Found In | FI 08.0.70 FI 08.0.61 FI 08.0.80 |
| Technology / Technology Group | Security - ACLs - Access Control Lists |

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|--------------------------------------|--|
| Issue | FI-190835 |
| Symptom | Spurious syslog messages similar to the ones below are seen Oct 8 17:22:53:I:System: SSL server 192.168.11.1:443 is disconnected Oct 8 17:22:53:I:System: SSL server 192.168.11.1:443 is now connected |
| Condition | Only seen in FI 08.0.80c |
| Workaround | The command "no sz registrar" when applied as below will stop the messages Router#conf t Router(config)#no sz registrar |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.80 |
| Technology / Technology Group | Cloud Management - Switch Registrar/Tunnel Aggregator |

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|--------------------------------------|--|
| Issue | FI-190837 |
| Symptom | some of the ports will not power PDs and "show inline power" shows different ports as powered while the PDs are connected on some other ports. |
| Condition | one or more PoE HWs are sensing voltage drift. This HW may or may not recover. |
| Workaround | move to 8070d |
| Recovery | move to 8070d |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | Management - PoE/PoE+ - Power over Ethernet |

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|--------------------------------------|--|
| Issue | FI-190909 |
| Symptom | In ICX7150 10G data port logged Micro flap detected but there is a no Physical link down |
| Condition | Every one sec syslog generated for Micro flap detected on 10G data port |
| Workaround | None |
| Recovery | |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - Optics |

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|--------------------------------------|---|
| Issue | FI-192149 |
| Symptom | On a ICX7650-48F stack, the standby/member gets deleted from the stack and then reloads unexpectedly. After reboot the module gets stuck in continuous boot loop. |
| Condition | On a ICX7650-48F stack, while configuring "speed-duplex 1000-full" in interface range mode for standby/member, the module is stuck for some time and then reloads unexpectedly. |
| Workaround | Configure the "speed-duplex 1000-full" in a smaller range of interfaces. |
| Recovery | Remove "speed-duplex 1000-full" configuration in standby/member and Configure the "speed-duplex 1000-full" in a smaller range of interfaces. |
| Probability | Medium |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - System |

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|--------------------------------------|---|
| Issue | FI-193051 |
| Symptom | When the cable is unplugged from the ICX standby unit, the port stays up. |
| Condition | Port remains up when the cable is unplugged from the ICX standby unit. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - System |

Resolved Issues in Release 08.0.95

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|--------------------------------------|---|
| Issue | FI-204805 |
| Symptom | In ICX7150, the 2.5g port downshifts to 1g. |
| Condition | When ICX7150 is connected with R730 AP, the 2.5g port downshifts to 1g. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | System - System |

| | |
|--------------------------------------|--|
| Issue | FI-204469 |
| Symptom | ICX7250 loses start-up and license files when there is power outage. |
| Condition | This is a NAND flash HW (ECC) error, and this can occur randomly at boot time. |
| Workaround | |
| Recovery | |
| Probability | |
| Found In | FI 08.0.70 |
| Technology / Technology Group | Management - Licensing |

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

| | |
|--------------------------------------|--|
| Issue | FI-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-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 | |

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

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

Resolved Issues in Release 08.0.95

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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-203449 |
| Symptom | The excessive DHCP Snooping SYSLOGs will be generated. |
| Condition | |
| Workaround | |
| Recovery | |
| Probability | |
| Found In | FI 08.0.90 |
| Technology / Technology Group | |

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

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

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|--------------------------------------|--|
| Issue | FI-202630 |
| Symptom | Adding support for Juniper's SPQ-CE-LR-CDFB-R1 100G LR4 support on Ruckus ICX switch |
| Condition | Adding support for Juniper's SPQ-CE-LR-CDFB-R1 100G LR4 support on Ruckus ICX switch |
| Workaround | NA |
| Recovery | NA |
| Probability | High |
| Found In | FI 08.0.90 FI 08.0.92 FI 08.0.95 |
| Technology / Technology Group | |

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

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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 |

Resolved Issues in Release 08.0.95

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

| | |
|--------------------------------------|--|
| Issue | FI-201783 |
| Symptom | Link is down on 10GF port with 1G optic after a reboot |
| Condition | Link is down on 10GF port with 1G optic after a reboot |
| Workaround | no workaround |
| Recovery | set the speed to 10G and reset it to 1G |
| Probability | |
| Found In | FI 08.0.91 |
| Technology / Technology Group | System - Optics |

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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-201618 |
| Symptom | standby unit reboot on ARP sync from master |
| Condition | ARP sync from master to standby on the stack environment |
| Workaround | |
| Recovery | |
| Probability | Low |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol |

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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 | |

Resolved Issues in Release 08.0.95

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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-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-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-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-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 |

Resolved Issues in Release 08.0.95

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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-199642 |
| Symptom | PoE power flap might be observed for some of the ports connected to POE device |
| Condition | When link is down on multiple ports and if PDs are not connected, POE port flaps will be experienced. |
| Workaround | Disable Non-PD detection using "no inline power non-pd-detection enable" |
| Recovery | Power recovers automatically. |
| Probability | Low |
| Found In | FI 08.0.70 |
| Technology / Technology Group | Management - PoE/PoE+ - Power over Ethernet |

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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-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 |

Resolved Issues in Release 08.0.95

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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. mcahce 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 | IP Multicast - IPv4 Multicast Routing |

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

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|--------------------------------------|---|
| Issue | FI-199351 |
| Symptom | SnmpGet of the OID "dot1qVlanStaticTable" fetches wrong values |
| Condition | When SnmpGet of the OID "dot1qVlanStaticTable" is performed, it retrieves wrong values. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.30 |
| Technology / Technology Group | Management - SNMP - Simple Network Management Protocol |

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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-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 | Management - SSH2 & SCP - Secure Shell & Copy |

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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 |

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

Resolved Issues in Release 08.0.95

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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 |

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

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

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

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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 |

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

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

| | |
|--------------------------------------|--|
| Issue | FI-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 | |

Resolved Issues in Release 08.0.95

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

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|--------------------------------------|--|
| Issue | FI-197601 |
| Symptom | System startup time is incorrect in "sh version" output. |
| Condition | Execution of the command "show version" |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.30 |
| Technology / Technology Group | Management - NTP - Network Time Protocol |

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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 | |

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

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

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

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

| | |
|--------------------------------------|--|
| Issue | FI-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 | |

Resolved Issues in Release 08.0.95

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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 & SCP - Secure Shell & Copy |

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

| | |
|--------------------------------------|--|
| Issue | FI-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 | |

| | |
|--------------------------------------|---|
| 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 & SCP - Secure Shell & Copy |

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

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

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

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

Resolved Issues in Release 08.0.95

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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 | |

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

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

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

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

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

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

Resolved Issues in Release 08.0.95

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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 | |

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

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

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

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

| | |
|--------------------------------------|--|
| Issue | FI-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 |

Known Issues in Release 08.0.95c

This section lists open software issues with Critical, High, and Medium Technical Severity in FastIron 08.0.95c.

| | |
|--------------------------------------|--|
| Issue | FI-235539 |
| Symptom | During upgrade from 8090 to 8095c, if the startup configuration has ACL bindings with ipv6 access-list more than 1000 filters, show access-list tcam commands are not working properly. Also, during the same time if we try to add new filter to existing ipv6 or ipv4 acls, this is also not working properly. |
| Condition | Upgrade from 8090 to 8095c build IPv6 ACL Binding with more than 500 filters IPv4 ACL Binding with more than 500 filters |
| Workaround | 1. After upgrade, we need to wait for more than 20 mins before making configuraion changes to any acl or fetching show access-list tcam commands. or 2. Rebooting the stack device |
| Recovery | Auto recovery after 20 mins after upgrade. or Rebooting the stack. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

Known Issues in Release 08.0.95b

This section lists open software issues with Critical, High, and Medium Technical Severity in FastIron 08.0.95b.

| | |
|--------------------------------------|---|
| Issue | FI-221520 |
| Symptom | The ISSU image upgrade run on a ICX stack/campus fabric with PoE model having regular power supply (non-PoE) would get aborted. |
| Condition | This issue is seen when a regular power supply is used on a PoE capable unit. |
| Workaround | Use AC-Poe power supply on the PoE supported units to prevent this issue from happening. |
| Recovery | Do a normal image upgrade if ISSU gets aborted. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-203682 |
| Symptom | ISSU upgrade gets aborted in SPX setup. |
| Condition | When ISSU upgrade is done in SPX setup, occasionally PE unit is getting detached which causes the ISSU to be aborted. |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

Known Issues for the ICX 7550

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

| | |
|--------------------------------------|---|
| Issue | FI-220101 |
| Symptom | ICX7550 platform with 1G-TX optics may show a false link up. |
| Condition | ICX7550 platform with 1G-TX optics may show a false link up when the peer system is down. |
| Workaround | No workaround |
| Recovery | Disable port ensures link is down. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-219831 |
| Symptom | ICX-7550 4x10GF flex module, With LACP short LAG flaps over 10GF links once in 12hrs. |
| Condition | ICX-7550 4x10GF flex module, With LACP short LAG flaps over 10GF links once in 12hrs. |
| Workaround | Use lacp long |
| Recovery | Don't use LACP short for 10GF ports |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Security - MACsec - Media Access Control security |

| | |
|--------------------------------------|---|
| Issue | FI-218957 |
| Symptom | While booting ICX7550 may show the message "ERROR: PLL Lock Failed" in the console and fail to boot from the preferred boot partition |
| Condition | on multiple reloads, ICX7550 may not boot from the preferred boot partition |
| Workaround | Maintain stable images on other partition, so that system boot with other partition. Then copy image to the partition where observed ERROR. |
| Recovery | reload the system from the correct partition |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Other - Other |

| | |
|--------------------------------------|--|
| Issue | FI-218769 |
| Symptom | ICX7550 with 1G Fiber port with 100-fx connected optic may not link up |
| Condition | ICX7550 with 1G Fiber port with 100-fx connected optic may not link up |
| Workaround | None. 100-fx optic is not supported at the moment |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

Known Issues in Release 08.0.95

This section lists open software issues with Critical, High, and Medium Technical Severity in FastIron 08.0.95.

| Issue | FI-219366 |
|--------------------------------------|--|
| Symptom | With high traffic rate, some times ICX device can be exposed to DOS attack even when the ICMP, TCP DOS protection is enabled on ICX. |
| Condition | 1. Configure ICMP and TCP DOS Protection for local or transit attack. 2. The ingress traffic should be of very high rate. |
| Workaround | No Workaround |
| Recovery | No Recovery |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| Issue | FI-219133 |
|--------------------------------------|--|
| Symptom | While SNMP walk query for wired client MIB OID returns wrong value |
| Condition | Query SNMP OID for IPv4 address in wired client MIB. |
| Workaround | No Workaround. |
| Recovery | No Recovery. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| Issue | FI-218949 |
|--------------------------------------|--|
| Symptom | In the console session, when logged in as super-user, the user may not be able to execute privilege level commands. |
| Condition | For the super user, when the privilege level is changed from super user to read-only mode. |
| Workaround | No workaround is available |
| Recovery | User has to exit from privileged EXEC mode to user EXEC mode and then re-enter to the privilege EXEC mode by entering the username and password. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| Issue | FI-218550 |
|--------------------------------------|--|
| Symptom | 7150 stuck in boot mode after power outage |
| Condition | Power outage |
| Workaround | None |
| Recovery | TFTP of FI image needs to be done from boot prompt at primary or secondary |
| Probability | |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - System |

Known Issues in Release 08.0.95

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|--------------------------------------|---|
| Issue | FI-218658 |
| Symptom | ICX DHCP Client is not getting dynamic IP address. |
| Condition | When ICX DHCP Client is connected to Palo Alto DHCP Server, ICX is not getting the dynamic IP address assigned. |
| Workaround | None |
| Recovery | None |
| Probability | High |
| Found In | FI 08.0.92 |
| Technology / Technology Group | Management - DHCP (IPv4) |

| | |
|--------------------------------------|---|
| Issue | FI-214650 |
| Symptom | With IPSG and User ACLs IPv4 configured on default and upon upgrade the redundant ip access-group commands show up in "show running". |
| Condition | On ICX device: 1. configure User ACL on default VLAN. 2. Enable IPSG on selective ports of default VLAN. 3. Upgrade with the above configuration from any pre-8095 release to 8095. |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Security - IP Source Guard |

| | |
|--------------------------------------|---|
| Issue | FI-218524 |
| Symptom | Upon reload, the SNMPv2 community string mapped with numbered acl id will not show up in "show running-config". |
| Condition | On ICX Device 1 Configure numbers ACL using standard access-list command. 2. Configure snmp community strings mapped with numbered acl id. 3. After write memory and reload of ICX device, The SNMPv2 community strings mapped with acl id configuration will not show up in "show running-config". |
| Workaround | No Workaround |
| Recovery | No recovery |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-217870 |
| Symptom | 40GE-LR4 links may not come up after reload. |
| Condition | After a power loss or a reload, some 40GE-LR4 links do not come up. |
| Workaround | Disable/Enable recovers the link. |
| Recovery | Another reload or disable/enable recovers the 40GE-LR4 link. |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | System - Optics |

| | |
|--------------------------------------|--|
| Issue | FI-217597 |
| Symptom | When ISSU command is used in a campus fabric setup, ISSU might abort and not complete. |
| Condition | The ISSU may abort when it is triggered on a campus fabric system, where port extender units have PoE capability. |
| Workaround | ISSU provides for an on-error option where the system can be reloaded from either primary or secondary partition when an ISSU abort is encountered. User can use this option to workaround this issue. |
| Recovery | The campus fabric system to be reloaded when the issue is encountered. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-216753 |
| Symptom | On ICX, After Adding MAC ACL Ethertype via SNMP set operation. Removal of applied MAC ACL Ethertype filter via CLI configuration command will fail. |
| Condition | 1. Configure MAC ACL Ethertype filter OID via SNMP set. 2. Run "no" of the configured Ethertype filter via CLI configuration command. |
| Workaround | No Workaround. |
| Recovery | No Recovery. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|--|
| Issue | FI-216418 |
| Symptom | OSPFv3 sessions are in Loading state with uRPF and NSR configured along with triggers of multiple switchover |
| Condition | OSPFv3 sessions are in Loading state with around 2500 LSAs with NSR and uRPF configured with multiple stack switchovers for the OSPFv3 to go into loading state. |
| Workaround | Clearing the ospfv3 neighbor sessions bring the session back to full state |
| Recovery | Clearing the ospfv3 neighbor sessions |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-216227 |
| Symptom | Deploying Ingress ACL on ICX through SZ interface will fail |
| Condition | Enable Source Guard configuration on the interface and deploy ingress acl on ICX. |
| Workaround | No Workaround |
| Recovery | No Recovery. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

Known Issues in Release 08.0.95

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|--------------------------------------|--|
| Issue | FI-216304 |
| Symptom | When the ICX unit is reloaded, the system may trigger an unexpected coredump before the rebooting of the unit. |
| Condition | When the ICX unit is reloaded, the system may trigger an unexpected coredump before the rebooting of the unit. |
| Workaround | No workaround available. |
| Recovery | No recovery needed. System would automatically recover. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|--|
| Issue | FI-208489 |
| Symptom | Link may not come up when a 100M M-FX-SR SFP is used to connect to a remote device, after switch reboot. |
| Condition | Connect ICX and a remote device using 100M M-FX-SR SFP. |
| Workaround | NA |
| Recovery | Port disable and enable will recover the issue. |
| Probability | Medium |
| Found In | FI 08.0.90 |
| Technology / Technology Group | System - Optics |

| | |
|--------------------------------------|---|
| Issue | FI-214157 |
| Symptom | BUM(Broadcast-Unknown unicast-Multicast) traffic coming from VxLAN network port leaks to VxLAN access port which is in BLOCKED state. |
| Condition | Physical loop in VxLAN access ports side topology and spanning tree(Any flavor of spanning tree) is configured on VxLAN access ports to break the loop. |
| Workaround | None except avoiding loop on VxLAN access port side. |
| Recovery | None. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|--|
| Issue | FI-210895 |
| Symptom | Few IPv6 routes will fail in installation to HW in the scenarios mentioned in the condition for this to occur. |
| Condition | Few IPv6 routes will fail in forwarding profile 1 (default profile) in following particular sequence of execution <ul style="list-style-type: none"> o Two BGP neighbors - V4 & V6 o First establish V4 neighbor and send 300K /24 routes o After the HW table in full sync, establish V6 neighbor and send 11K /64 routes o Then bring down V6 neighbor and on V4 send 300K Custom prefix routes (without affecting the session) o Then establish V6 neighbor and send 11K V6 Custom prefix routes. o At this point we are seeing few hundreds of routes are failed to add to HW |
| Workaround | Clear both v4 and v6 routes |
| Recovery | Clear both v4 and v6 routes |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|--|
| Issue | FI-213575 |
| Symptom | |
| Condition | |
| Workaround | Sending Tagged traffic OR having a MAC Table entry will prevent flooding. |
| Recovery | Changing the interface type to a non-hybrid interface thereby preventing the un-tagged packets from being redirected to the L2/L3 Processing by default will stop the traffic from flooding. |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

| | |
|--------------------------------------|---|
| Issue | FI-209506 |
| Symptom | The IPv4 route table full SYSLOG message will be generated though the hardware table is not full. |
| Condition | With more VRFs configured, if the advertised BGP routes to all the VRFs are increased more than MAX route per VRF, sometimes the hardware route table is not added with MAX route per VRF and route table full SYSLOG will be thrown. |
| Workaround | Disabling and Enabling the interface will add back the routes upto MAX route per VRF. |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Layer 3 Routing/Network Layer - Multi-VRF |

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|--------------------------------------|--|
| Issue | FI-213387 |
| Symptom | IPv6 hardware route table full SYSLOG messages are generated when the hardware table is not full. |
| Condition | Only when there are more than 30K routes in a single VRF, these SYSLOG messages will be generated. |
| Workaround | None |
| Recovery | None |
| Probability | Low |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Layer 3 - Other IPv6 |

| | |
|--------------------------------------|---|
| Issue | FI-211885 |
| Symptom | When the MIRRORRED port is on CB and Egress port MONITORING is on PE port then the known unicast packets are not getting forwarded. |
| Condition | When the CB port is configured as Mirrored port for Egress port monitoring of a port on PE and the unicast packets are not getting forwarded. |
| Workaround | None |
| Recovery | None |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Monitoring - Port Mirroring |

Known Issues in Release 08.0.95

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|--------------------------------------|---|
| Issue | FI-211410 |
| Symptom | SNMP walk for DAI with IPaddress as index will show incorrect values. |
| Condition | 1. Configure DAI on VLAN 2. SNMP walk on DAI MIB |
| Workaround | CLI show commands to fetch the DAI Dynamic and Static entries. |
| Recovery | No Recovery |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

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| Issue | FI-202413 |
| Symptom | ICX7650 / ICX7850 port connected to VDX will be down with port shut/no shut at VDX. |
| Condition | shut/no shut at VDX (or) port disable/enable at ICX. |
| Workaround | VDX port shut/no shut and ICX reload will recover the issue. |
| Recovery | NA |
| Probability | High |
| Found In | FI 08.0.70 |
| Technology / Technology Group | System - Optics |

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| Issue | FI-210309 |
| Symptom | On Standalone ICX device which supports breakout ports (For Ex: 10x4g). DDoS Port Statistics OID for Breakout Ports will be skipped when the user initiates SNMP walk. |
| Condition | 1. Configure DoS Protection on ICX device. 2. Initiate SNMP Walk for DDoS Port Statistics OID. |
| Workaround | User can fetch the DDoS port statistics using CLI command : "show statistics dos-attack" |
| Recovery | No Recovery Mechanism |
| Probability | |
| Found In | FI 08.0.95 |
| Technology / Technology Group | |

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| Issue | FI-193316 |
| Symptom | The configured rate-limit will be changed when mld or igmp rate-limit (any one) is disabled once after the rate-limit configuration is set for mld and igmp. |
| Condition | 1. On ICX device configure both IGMP and MLD snooping on two different VLANs. 2. Configure multicast ratelimit. 3. Disable IGMP Snooping or MLD Snooping (any one) under both the VLANs. The effective rate-limit for multicast packets will be changed which is unexpected. |
| Workaround | No Workaround. |
| Recovery | No Recovery. |
| Probability | |
| Found In | FI 08.0.90 |
| Technology / Technology Group | Layer 2 - Link Aggregation |

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| Issue | FI-202954 |
| Symptom | DHCPv6 Snooping Table Doesn't have Entry for DHCPv6 Address |
| Condition | While IPv6 Addresses are getting allocated to hosts via DHCPv6 process and DHCPv6 Snoop is enabled on the Switch/Router, the snoop table have entry only for prefix but not for the Address |
| Workaround | No Work-Around |
| Recovery | No Recovery |
| Probability | Medium |
| Found In | FI 08.0.95 |
| Technology / Technology Group | Security - IP Source Guard |

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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-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 | |
| 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 |

