

FastIron 08.0.95p for RUCKUS ICX Switches Release Notes Version 1

Supporting FastIron 08.0.95p

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Document History

Version	Summary of Changes	Publication Date
FastIron 08.0.95p for ICX Switches, Version 1	<ul style="list-style-type: none">• New features• Known and Resolved issues	June 26, 2024

Overview

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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.ruckusnetworks.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://commscopeuniversity.myabsorb.com/>. The registration is a two-step process described in this [video](#). Create a CommScope account and then register for, and request access for, CommScope University.

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 to 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.ruckusnetworks.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 **Submit 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 **Submit a Case** section.
- Priority 3 (P3)—Medium. Network or service is moderately impacted, but most business remains functional. Click the **CONTACT** tab at the top of the page and explore the **Self-Service Online Help** options.
- Priority 4 (P4)—Low. Requests for information, product documentation, or product enhancements. Click the **CONTACT** tab at the top of the page and explore the **Self-Service Online Help** options.

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://community.ruckuswireless.com>
- 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 the Technical Assistance Center (TAC) with additional data from your troubleshooting analysis if you still require assistance through a support case or Return Merchandise Authorization (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 08.0.95p

Feature	Description
Spanning Tree Protocol show command updates and new clear commands	Topology details at the VLAN and interface level have been added to certain show commands for Spanning Tree protocols (802.1D, 802.1W, MSTP). Related new clear commands for xSTP have also been introduced. Refer to the <i>RUCKUS FastIron Layer 2 Switching Configuration Guide</i> and to the <i>RUCKUS FastIron Command Reference</i> for specific command pages.

New Software Features in 08.0.95n

No new features were added in this release.

New Software Features in 08.0.95m

The following software features and enhancements are added in this release. Refer to the *RUCKUS FastIron Features and Standards Support Matrix*, available at <https://support.ruckuswireless.com/>, for a detailed listing of feature and platform support.

Feature	Description
NTP server start delay	The NTP server start on an ICX switch can be delayed until the ICX switch itself has synchronized with an external NTP server. This can be used when an ICX switch is being used as both an NTP server as well as a client. Refer to the <i>RUCKUS FastIron Management Configuration Guide</i> for more information.

New Software Features in 08.0.95k

No new features were added in this release.

New Software Features in 08.0.95j

No new features were added in this release.

New Software Features in 08.0.95h

The following software features and enhancements are added in this release. Refer to the *RUCKUS FastIron Features and Standards Support Matrix*, available at <https://support.ruckuswireless.com/>, for a detailed listing of feature and platform support.

Feature	Description
Disable ssh	Enter the ip ssh disable command at the global configuration level to disable SSH and close server port 22.

New Software Features in 08.0.95g

No new features were added in this release.

New Software Features in 08.0.95f

No new features were added in this release.

New Software Features in 08.0.95e

No new features were added in this release.

New Software Features in 08.0.95d

No new features were added in 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 added in this release. Refer to the *RUCKUS FastIron Features and Standards Support Matrix*, available at <https://support.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 added in this release. Refer to the *RUCKUS FastIron Features and Standards Support Matrix*, available at <https://support.ruckuswireless.com/>, for a detailed listing of feature and platform support.

Feature	Description
Generic CLI configuration	Release 08.0.95b, along with SmartZone 6.0, introduces capability to provision switches using predefined CLI configuration, making it easy for users to deploy any feature that ICX supports. <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.
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 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 added in this release. Refer to the *RUCKUS FastIron Features and Standards Support Matrix*, available at <https://support.ruckuswireless.com/>, for a detailed listing of feature and platform support.

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.

New in This Release

Important Notes

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.

Important Notes

If a fiber optic transceiver is unplugged and plugged in again rapidly, the link may not come up. Allow a delay of 2 to 5 seconds between unplugging and reinserting the optic to ensure optic detection and that the link comes up without issues.

Important Changes in Release 08.0.95h

Per *Technical Support Bulletin TSB 2022-005 - Starting with release 8.0.95h/9.0.10d, products running a newer Power Over Ethernet (PoE) chipset do not support older releases*, the POE functionality in ICX 7150 and ICX 7450 devices that have the new MCU PD69220 will not be allowed to join a stack running a pre-08.0.95h software image.

The MCU PD69220 can be identified by the **#show inline power detail** command.

```
device# show inline power detail
      |
Firmware
Version
-----
02.2.4 Build 002
```

If you are installing an ICX 7150 or ICX 7450 device that contains MCU PD69220, you can prevent the POE capabilities of the device from being disabled by upgrading the stack to FastIron 08.0.95h or later firmware prior to installing the ICX 7150 or ICX 7450 device.

Refer to the [Technical Support Bulletins page](#) for more details.

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 09.0.10a.

Refer to the [Software Features](#) on page 14 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 08.0.95p

The following command has been added (new in this release).

- clear 802-1w statistics

- clear mstp statistics
- clear span statistics

Modified Commands for FastIron 08.0.95p

The following commands have been modified in this release.

- show 802-1w
- show mstp
- show span

Deprecated Commands for FastIron 08.0.95p

No commands have been deprecated in this release.

New Commands for FastIron 08.0.95h

The following command has been added (new in this release).

- ip ssh disable

Modified Commands for FastIron 08.0.95h

No commands have been modified in this release.

Deprecated Commands for FastIron 08.0.95h

No commands have been deprecated in this release.

New Commands for FastIron 08.0.95c

The following commands have been added (new in 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 in 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`

New in This Release

CLI Commands

- **show ip traffic**
- **show ipv6 dhcp6 snooping**
- **show ipv6 dhcp6 snooping info**
- **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

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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 either the *RUCKUS ICX Switch Product Line Data Sheet* or the model-specific Data Sheets available online at <https://www.ruckusnetworks.com/products/ethernet-switches>.

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>.

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Image File Names

Download the following images from www.ruckuswireless.com.

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

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

Device	UFI file name (boot, image)
ICX 7150	SPR08095pufi.bin/SPS08095pufi.bin
ICX 7250	SPR08095pufi.bin/SPS08095pufi.bin
ICX 7450	SPR08095pufi.bin/SPS08095pufi.bin
ICX 7550	GZR08095pufi.bin/GZS08095pufi.bin
ICX 7650	TNR08095pufi.bin/TNS08095pufi.bin
ICX 7750	SWR08095pufi.bin/SWS08095pufi.bin
ICX 7850	TNR08095pufi.bin

PoE Firmware Files

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

Device	Firmware version	File name	PoE Chip
ICX7150	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw	PD69200
	2.2.4 fw	icx7xxx_poe_02.2.4.b002.fw	PD69220
	1.64.2 fw	icx7xxx_poe_01.64.20.b001.fw	MSP430
ICX7250	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw	PD69200
	2.2.4 fw	icx7xxx_poe_02.2.4.b002.fw	PD69220
ICX7450	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw	PD69200
	2.2.4 fw	icx7xxx_poe_02.2.4.b002.fw	PD69220
ICX7550	1.64.2 fw	icx7xxx_poe_01.64.20.b001.fw	MSP430
ICX7650	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw	PD69200
	2.2.4 fw	icx7xxx_poe_02.2.4.b002.fw	PD69220

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

Known Behavior

This section describes known behaviors for certain RUCKUS ICX devices and recommended workarounds where they exist.

New PoE Hardware Prevents ICX 7150 and ICX 7450 Devices from Joining a Stack with Pre-08.0.95h Software

Per *Technical Support Bulletin TSB 2022-005 - Starting with release 8.0.95h/9.0.10d, products running a newer Power Over Ethernet (PoE) chipset do not support older releases*, the POE functionality in ICX 7150 and ICX 7450 devices that have the new MCU PD69220 will not be allowed to join a stack running a pre-08.0.95h software image.

If you are installing an ICX 7150 or ICX 7450 device that contains MCU PD69220, you must upgrade the stack to FastIron 08.0.95h or later prior to installing the ICX 7150 or ICX 7450 device.

Refer to the [Technical Support Bulletins page](#) for more details.

ICX 7550 Port LED in PoE Mode

When a RUCKUS ICX7550-24ZP or a RUCKUS ICX 7550-48ZP device is operating in PoE mode and the user connects a PD to a 10-Gbps port, the port LED comes up green but immediately goes to amber, although the expected LED color is green.

When the PD is connected while the ICX device is not in PoE mode and is then placed in PoE mode, the port LED remains green as expected.

Workaround: If you encounter the issue, change the device to any other mode, or rotate to the PoE mode again. The LED will then work as expected.

Known Issues in FastIron Release 08.0.95p

Issue	FI-291815
Symptom	speed duplex 10-half is not getting configured on ICX-7250 .
Condition	execution of command "speed-duplex 10-half "
Workaround	NA
Recovery	NA
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	System - System

Issue	FI-293443
Symptom	`dhcp snooping trust` command does not work for multiple LAG interfaces at once
Condition	Both `dhcp snooping trust` and `no dhcp snooping trust` commands only apply to the first LAG interface, despite configuration on multiple LAGs.
Workaround	NA
Recovery	NA
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 2

Issue	FI-294488
Symptom	On executing "clear span statistics ", 802 statistics also cleared
Condition	Execution of "clear span statistics " and "clear 802 statistics "
Workaround	
Recovery	NA
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Layer 2 Switching - xSTP - Spanning Tree Protocols

Known Issues in FastIron Release 08.0.95n

Issue	FI-282803
Symptom	Observing "Error: Configured ACL is present on dynamic VLAN" log in ICX device
Condition	Source guard enabled in VLAN and radius authentication is being used on ICX
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Security - 802.1x Port-based Authentication

Issue	FI-284440
Symptom	Link Down/Flap issues can be with 1G M-LHA optic (SFP) across all ICX platforms
Condition	Affected media details below. Media Type : 1G M-LHA(SFP) Vendor: RUCKUS Version: A Part# : 57-0000194-01 Serial#: TGF1121000008VC The port functionality should work fine if optic is removed.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273176
Symptom	Occasionally link will stay up but there wont be any traffic flowing across the port.
Condition	ICX 7550 Multigig SKU is connected to R650AP and 5g-full forced speed configured on the port
Workaround	None
Recovery	The device has to be rebooted as enable/disable wont help.
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-287014
Symptom	SNMP set not working for setting power by class/power limit for BT devices using SNMP MIB.
Condition	SNMP set not working for setting power by class/power limit for BT devices using SNMP MIB.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95n

Issue	FI-287120
Symptom	ipv6 neighbour state are taking more time to change state from STALE to REACH or Delay
Condition	Execute "show ipv6 neighbor"
Workaround	No work around
Recovery	NA
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPFv3 - IPv6 Open Shortest Path First

Issue	FI-287397
Symptom	ICX stuck on Query state while trying to connect to SZ
Condition	SZ is unreachable to ICX for extended period of time (Eg: More than 24 hrs)
Workaround	None
Recovery	SZ disable and enable
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-287614
Symptom	LAG and VE interface, LLDP neighbor details are not displayed in SZ
Condition	ICX stack connected to SZ with more than 500 VLANS with multiple ports mapped under each VLAN
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-287625
Symptom	Port details and stack member unit number are not displayed in SZ
Condition	ICX stack with more than 6 units connected to SZ
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95m

Issue	FI-279269
Symptom	Standby unit in a stack goes through an unexpected reload.
Condition	After a stack priority change and switchover due to that, Rarely, the new standby unit goes through an unexpected reload.
Workaround	
Recovery	No action is needed. The system will recover automatically after the reload.
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	System - System

Issue	FI-279152
Symptom	Unexpected reload will be seen.
Condition	Unexpected reload may occur when supportsave is executed.
Workaround	NA
Recovery	NA
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management

Issue	FI-279143
Symptom	copy using https failed with error "Already a http operation is in progress".
Condition	Copy via https using invalid fqdn name.
Workaround	Device Reload.
Recovery	Device Reload.
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Management

Issue	FI-279139
Symptom	4x10GE Active Copper 1m optics is not supported.
Condition	4x10GE Active Copper 1m Optic shows not supported
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	System

Known Issues in FastIron Release 08.0.95m

Issue	FI-270297
Symptom	Image copy to flash using SNMP is inoperative.
Condition	Image copy via SNMP.
Workaround	image copy via cli prompt using copy command.
Recovery	None
Probability	High
Found In	FI 10.0.10
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-278888
Symptom	PoE functionality will not work on upgrading to 9010f image in ICX with MSP430 hardware.
Condition	This happens when Image upgrade is done from 8095m to 9010f only through USB Auto Manifest upgrade in which it allows upgrade, and in other types of upgrade, the system will not allow this upgrade.
Workaround	For ICX with MSP430, avoid image upgrade through USB Auto Manifest, instead upgrade can be done with other types of Image upgrade, so if the upgrade is not supported, system will not allow that upgrade.
Recovery	Revert back by upgrading to previous image in order for the PoE functionality to work.
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	System - System

Issue	FI-273688
Symptom	Unexpected reload is seen when the last OSPF virtual link is unconfigured.
Condition	Unexpected reload is seen when the last OSPF virtual link is unconfigured.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 10.0.10
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First

Issue	FI-278502
Symptom	snmpwalk for snChasPwrSupplyTable is not showing all PDU details
Condition	snmpwalk for snChasPwrSupplyTable OID is not displaying all PDU details.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management

Issue	FI-278427
Symptom	PDs on stack standby and member unit ports having non-default PoE configuration might not get powered after switch reload.
Condition	With non-default poe port configurations, if the member units of a switch gets booted up faster than the active unit, this issue might be seen.
Workaround	Keep only the default poe configuration on all the ports before reloading the switch. After switch is booted up, apply the required poe configuration.
Recovery	apply default PoE configuration for standby and member unit ports and then reload the stack.
Probability	Low
Found In	FI 09.0.10
Technology / Technology Group	Management - PoE/PoE+

Issue	FI-277583
Symptom	An Unexpected reload of the device will be seen on bootup after a reload.
Condition	No specific step for reproducing the issue. As this is a one time issue seen on a reload.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 09.0.10
Technology / Technology Group	Layer 3 Routing/Network Layer

Issue	FI-277515
Symptom	Unexpected reload may occur.
Condition	When Continuous ARP traffic, SNMP walk with valid/invalid Community string, Manager Enable/Disable and Lag interface Enable/Disable for RSTP Control packets.
Workaround	Disable SZ from ICX.
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Cloud Management

Issue	FI-277323
Symptom	Configuration in ICX may not synch with SZ.
Condition	Configuration in ICX may not synch with SZ, when ICX have inactive stack unit configuration.
Workaround	Remove the configuration of the inactive stack unit.
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Cloud Management

Known Issues in FastIron Release 08.0.95m

Issue	FI-276862
Symptom	IPV6 Global PBR may not be activated.
Condition	When per-port-per-vlan and ipv6 global PBR is enabled in 8090 version, on upgrading to 8095 IPV6 global PBR will not be activated.
Workaround	Disable per-port-per-vlan configuration in 8090 before upgrading to 8095.
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 - Other IPv6

Issue	FI-276575
Symptom	Supportsave scp might not work when ICX is not able to connect to SZ.
Condition	supportsave using scp option might not work when ICX is not able to connect with SZ.
Workaround	1. supportsave with tftp will work. 2. disable manager and try supportsave with scp option.
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-276566
Symptom	Occasionally device hangs and unexpected reload is seen.
Condition	Debug command "debug ip ssl" enabled on device When device continuously trying to connect with SZ by manager enable/disable.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	System - System

Issue	FI-274344
Symptom	IPV6 Outbound SSH connection might not be established.
Condition	When invoking an IPV6 Outbound SSH connection.
Workaround	NA
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-274323
Symptom	Device health data graphs might not be displayed on vSZ.
Condition	With ICX connected to SZ, Device health data graphs might not be displayed on vSZ.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management

Known Issues in FastIron Release 08.0.95k

Issue	FI-274143
Symptom	In few rare scenarios, there is a possibility of encountering unexpected reload when there is 8+ stack member units.
Condition	The reload might be seen only if the "mac-movement notification interval-history <seconds>" or "mac-notification interval <seconds>" CLI's are configured.
Workaround	N/A
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-274284
Symptom	DHCP ip allocation may not happen.
Condition	Dynamic arp inspection and source guard may not work as expected, when ICX has dhcp snoop trust configuration on a port configured through CLI and trying to configure dhcp snoop trust on a other port through SZ may remove the existing dhcp snoop trust config.
Workaround	Recover the dhcp snoop trust configuration on the interface where the configuration is removed.
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-274215
Symptom	DHCP snoop entries might be lost or might not get renewed during port flap/powercycle.
Condition	Having dot1x authentication, DHCP snoop entires may not get renewed/lost.
Workaround	None
Recovery	NA
Probability	
Found In	FI 09.0.10 FI 08.0.95 FI 10.0.10
Technology / Technology Group	

Issue	FI-274219
Symptom	When peer node is reloading, ports with copper SFPs might show/display UP state on icx7450.
Condition	Copper SFP ports might be in UP state in ICX7450 when peer is reloading.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95k

Issue	FI-273913
Symptom	ITC error messages might be seen on running copy tftp run command with more than 64 lags.
Condition	ITC error messages might be seen during uploading running config.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-270323
Symptom	voice-vlan delete might be allowed even if auth-timeout-action is set for voice-vlan.
Condition	Deletion of voice-vlan is allowed when auth-timeout-action voice-vlan config is set.
Workaround	we can remove voice vlan config using following steps in authentication mode 1.no auth-timeout-action voice-vlan 2. no voice-vlan
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273987
Symptom	Image sync from active to member unit might cause the Assertion failed error for mac sync.
Condition	Assertion Failed error might be seen during image sync.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273881
Symptom	Traffic might get dropped for the inter-vrf route.
Condition	Traffic might get dropped for the inter-vrf route leaf from non-default vrf to default vrf when we have the static route configured for vrf leak with Ve as the next hop.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-274023
Symptom	Lag port might be in learning state due to some delay during LAG creation and moves to forwarding state after enabling the port.
Condition	Lag port might be in learning state due to 10s delay during LAG creation.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273504
Symptom	Radius server may not be reachable after triggering 128 mac-auth sessions with 100 pkt persec.
Condition	Radius server may not be reachable after triggering 128 mac-auth sessions with 100 pkt persec with high CPU.
Workaround	None
Recovery	NA
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-273878
Symptom	Execution of debug command may cause unexpected reload
Condition	Execution of command "dm port_link_debug e x/x/x" may cause unexpected reload in ICX.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273843
Symptom	dm optic command may return errors.
Condition	"dm optic x/x/x eeprom" command may return i2c core message
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95k

Issue	FI-274085
Symptom	ICX Switches might be vulnerable to CSRF/ XSS / Javascript / HTML Injection / Host Header Injection in Ruckus Switches (Multiple - Allegro RomPager / Brocade)
Condition	ICX Switches might be vulnerable to CSRF/ XSS / Javascript / HTML Injection / Host Header Injection in Ruckus Switches (Multiple - Allegro RomPager / Brocade)
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-274100
Symptom	Ingress interfaces of other units other than active unit receiving Multicast traffic may not punt the packets to CPU for few Multicast ranges.
Condition	Some Multicast traffic might be punted to cpu on ingress interfaces of other units than active unit.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273759
Symptom	PoE may get disabled.
Condition	PoE might get disabled, when no interface ethernet x/x/x command is executed.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273648
Symptom	"reload" command may not reload the device.
Condition	Reload may not reload the device after auto firmware and manual firmware upgrade
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273627
Symptom	System uptime may shown as N/A in SZ GUI.
Condition	Uptime of ICX Switch may shown as N/A on SZ and may not synch.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273418
Symptom	POE Error message can be seen in ICX.
Condition	"PoE Severe Error: Lost communication link with the PoE controller on unit 6 in slot 1. Shutting down and restarting the PoE module to recover." can be seen during high CPU in ICX.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-272418
Symptom	Incorrect error message may displayed while copying image to Switch
Condition	when the size of the image to be copied is zero, then copy tftp flash command returns incorrect error message.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-274096
Symptom	Unexpected reload might be seen with 12-Unit 7450 stack during image sync from active.
Condition	Unexpected reload might be seen with 12-Unit 7450 stack during image sync from active.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95k

Issue	FI-272027
Symptom	ICX may reload unexpectedly
Condition	When "erase startup-config" is executed in stacking setup, ICX may reload unexpectedly.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-272535
Symptom	"User authentication failed, so closing" error might be seen at times.
Condition	"User authentication failed, so closing" error might be seen at times in the console.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-272416
Symptom	On vSZ GUI - Switch state may stay in "Local Sync" state always for spatha and sica stack
Condition	On vSZ GUI - Switch state might stay in "Local Sync" state always for spatha and sica stack.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271994
Symptom	"Incomplete command" is added in the output of "show ip dns-server cache"
Condition	When "show ip dns-server cache" command is executed, "Incomplete command" is added along with the result.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-274049
Symptom	Memory consumption may reach higher levels.
Condition	Memory usage would be high in 12 unit 7150 stack.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273969
Symptom	Ping would fail when peer from user vrf pings VE of core in default vrf. Does not affect pass through traffic.
Condition	Reachability to VE in default VRF would fail having static routes for leaking vrf routes.
Workaround	No Workaround
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-274029
Symptom	"[hal_pp_install_ip_route_to_hw]: Error! Failed to install hardware routing entry]" error is seen.
Condition	[hal_pp_install_ip_route_to_hw]: Error! Failed to install hardware routing entry] seen while removing/adding back the static route under vrf and on disable/enable outgoing interface in which is part of vrf.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-273915
Symptom	Result of the command "dm ipv4-unicast vrf <vrfname> hw-route" does not display the entries.
Condition	The debug command "dm ipv4-unicast vrf <vrfname> hw-route" only total number of entries and the corresponding entries are not displayed
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95k

Issue	FI-272542
Symptom	ICX may reload unexpectedly.
Condition	1. DHCP server UP and Running in ICX. 2. Upgrade/reload of ICX
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Management - DHCP (IPv4)

Issue	FI-267916
Symptom	critical vlan can be removed, even if we configure auth-timeout-action as critical-vlan in flexauth configuration
Condition	configure auth-timeout-action critical-vlan and delete configured critical-vlan
Workaround	we can remove critical vlan config using following steps in authentication mode 1.no auth-timeout-action critical-vlan 2. no critical-vlan
Recovery	No recovery needed
Probability	
Found In	FI 09.0.10
Technology / Technology Group	

Issue	FI-267687
Symptom	CPU is 99% when the traffic is on through standby unit port and DDOS is enabled.
Condition	This is an existing issue from day 1 specific to minion, where the tcp syn attack traffic on a standby is not blocked by blocker rule, though the DDOS is enabled.
Workaround	Disabling DDOS will bring the cpu back to normal.
Recovery	NA
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Layer 3 Routing/Network Layer

Known Issues in FastIron Release 08.0.95j

Issue	FI-272508
Symptom	CLI "Show media" may return empty with 10G SR/LR/Active/Passive cables
Condition	When 10G SR/LR/Active/Passive cables used
Workaround	None
Recovery	Plug-out and plug-in the cable
Probability	High
Found In	FI 09.0.10
Technology / Technology Group	System - Optics

Issue	FI-272447
Symptom	First configuration change applying to stack unit Active is not sync with standby device running configuration, When apply from SZ.
Condition	Stack setup After Reload connected with SZ, very first configuration change not sync with standby unit running configuration. From second time applying configuration will be reflected in both running and Start-up configuration.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-272187
Symptom	MAC-ACL binding may be lost after upgrade/reload
Condition	During ICX software Upgrade or while doing "Write memory" and reload, MAC-ACL binding may be lost
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-272054
Symptom	Standby unit of 3 unit ICX 7250 stack never takes the role after reboot
Condition	Standby unit of 3 unit ICX 7250 stack never takes the role after reboot
Workaround	None
Recovery	Selective reload of elected standby unit
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Stacking - Traditional Stacking

Known Issues in FastIron Release 08.0.95j

Issue	FI-271996
Symptom	Unexpected device reload might be observed in stack setup.
Condition	Unexpected device reload might be observed in stack setup.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271991
Symptom	While snmp-server enable traps mac-notification is configured on a given range of LAG interfaces, configuration might not be applied in the running configuration on all LAG interfaces specified.
Condition	MAC - notification snmp-server traps might not be enabled in ICX on a given range of LAG interfaces.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271984
Symptom	MAC notify error might be observed while switchover on 12 unit 7450 stack.
Condition	While switch over is done by changing the priority on 12 unit stack from ICX, MAC notify error might be observed.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271960
Symptom	Unexpected device reload observed, While copy image via tftp.
Condition	Image copy might fail, when image is copied via tftp.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271941
Symptom	ICX is not manageable from SZ, when connected with management interface and management-vrf is configured
Condition	When ICX has management-vrf configured and if it is connecting to SZ via management port, ICX is not manageable
Workaround	Remove management-vrf config
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271931
Symptom	Minor display issue with "show auth sess br" on Breakout port - print the same interface values 2 times
Condition	when "show auth session brief" on breakout port is executed, values are displayed repeatedly for the same interface.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Security - 802.1x Port-based Authentication

Issue	FI-271893
Symptom	Unexpected device reload might be observed, When mac-address is added/deleted from the mac-address table.
Condition	When mac-address entry is added/deleted from the mac-address table, there is a possibility of unexpected reload.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271878
Symptom	Enable user password-history command functionality not working.
Condition	When configured "Enable user password-history" command. The functionality of the command not working correctly.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95j

Issue	FI-271868
Symptom	show optic command may not display result and will return, immediately after enabling optical-monitor but the result will be displayed after some time.
Condition	Executing show optic command immediately after enabling optical-monitor will return error and has to wait for some time.
Workaround	Wait for few secs to mins and the show optic command will display the result.
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271737
Symptom	Enable implicit-user configuration functionality is not working for tacacs+ and radius users.
Condition	when "enable implicit-user " cli command is configured, its functionality is not working for tacacs + and radius users.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271693
Symptom	Unexpected Reload might be observed when processing LLDP timer
Condition	Mac Address synchronization error log will be seen.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271691
Symptom	User cannot enable optical-monitor in LAG level.
Condition	Configuring optical-monitor in LAG will not enable optical monitoring.
Workaround	optical-monitor can be enabled at each interface level.
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271671
Symptom	Number of concurrent SSH sessions are not allowed beyond 6 (5 inbound, 1 outbound)
Condition	when 6 concurrent ssh sessions are open, the sessions beyond 6 are either rejected or timed out.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271644
Symptom	When MGMT VRF is being configured and unconfigured on a data port, failed to add route logs messages might be observed in ICX.
Condition	Failed to add route log messages might be observed in ICX
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271603
Symptom	TN-MCT I3mcast with intermediate-router doesn't work when groups are scaled greater than 75
Condition	When groups scaled greater than 75, TN-MCT I3mcast with intermediate-router is not working
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271595
Symptom	Enable user password-history default value is not overriding the already existing configuration with non-default value
Condition	When "Enable user password-history" command is executed the value is not overriding the already existing configured value.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95j

Issue	FI-271562
Symptom	Forwarding address is not changed in NSSA area after disabling the FWD address port.
Condition	If the FWD address port goes down, the forwarding address is not changed in OSPFV3 re-route.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271530
Symptom	"no optical-monitor" is not configured on LAG interface when optical-monitor is enabled globally after configuring LAG.
Condition	When optical-monitor is configured globally, it will not be applied to LAG interface.
Workaround	Enable optical monitor globally first and then create lag interface.
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271444
Symptom	2 members are rebooted unexpectedly after a switchover
Condition	After a switchover in a 12 unit stack, 2 members are rebooted unexpectedly.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271377
Symptom	Logs from show tech might not display that ARP inspection is enabled.
Condition	Show ip arp inspection might show as not enabled in show tech though it is enabled
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271340
Symptom	ICX unable to connect to SZ due to manager state went to DISABLED state.
Condition	Frequent SZ disconnection and connection due to unstable network conditions, manager state moves to DISABLED state.
Workaround	Reloading ICX helps to reconnect to SZ and state moves to SSH CONNECTED state.
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271294
Symptom	RSTP not converges with 99% High CPU
Condition	1. When RSTP is enabled for 100 VLANs. 2. 14 LAG Interfaces are part of all VLANs. 3. ALL LAG Interfaces are enabled simultaneously
Workaround	When LAG Interfaces are enabled one by one high CPU will not be seen.
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Layer 2 Switching - xSTP - Spanning Tree Protocols

Issue	FI-271292
Symptom	ITC queue full error message is seen, when set of lags added to mvlan range of 100 vlans
Condition	Add set of lags to range of mvlans, results in ITC queue full error.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-271177
Symptom	All igmp groups are not removed when the leave msg is received for all the groups
Condition	When leave message is received for IGMP groups, few groups are removed and few are not removed.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95j

Issue	FI-271171
Symptom	Unexpected reload of ICX device might happen while parsing the commands.
Condition	When scheduled SZ config backup is triggered and "set of show command" is run continuously, unexpected reload is seen
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-267411
Symptom	Flexauth blocked client's traffic is allowed instead of blocking.
Condition	Flexauth should be configured on stack unit and have blocked users. If active unit gets unconditional reload and gets elected as active again, then flexauth blocked clients traffic is allowed instead of restricting it.
Workaround	Unconfigure flexauth and re-configure flexauth.
Recovery	Recovery not applicable.
Probability	
Found In	FI 09.0.10
Technology / Technology Group	

Issue	FI-270470
Symptom	DHCP-server statistics counters are not updated except allocated addresses.
Condition	DHCP server statistics counters are not updated.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-270461
Symptom	Multiple error messages will be seen, when the max route limit is reached in the hardware.
Condition	When the max route limit is reached in the hardware, multiple error message will be displayed in console.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-270383
Symptom	POE supporting device port power not disabled after non-pd detection.
Condition	When non-pd is detected, power is not getting disabled.
Workaround	None
Recovery	Power-cycle or reload could recover the system.
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-270371
Symptom	Not able to scale 10K mac in ICX 7150
Condition	when 10K mac is sent, 10k mac is not learnt only 9862 macs are learned
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-269679
Symptom	Traffic is not forwarded based on source-route options in the packet.
Condition	Traffic is not forwarded based on source-route options in the packet.
Workaround	None
Recovery	None
Probability	
Found In	FI 09.0.10
Technology / Technology Group	

Issue	FI-266029
Symptom	After changing stack priority, in some corner case timing scenarios, stack active/standby election is not successfully happening.
Condition	After stack priority change, in some corner case timing scenarios, stack active/standby election is not successfully happening.
Workaround	None
Recovery	
Probability	Low
Found In	FI 10.0.00
Technology / Technology Group	Stacking - Traditional Stacking

Known Issues in FastIron Release 08.0.95j

Issue	FI-265882
Symptom	The CLI "Led on/off/default" not works
Condition	With ICX 7250/ ICX 7450 , the CLI "Led" will not work.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-262094
Symptom	Configured users are getting removed
Condition	1, "enable user password-masking" CLI is executed 2. users are configured 3. stack-switchover
Workaround	Remove the CLI "enable user password-masking"
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	

Known Issues in FastIron Release 08.0.95g

Issue	FI-260468
Symptom	Stack trace will be visible when we upgrade to 8095g thro' ISSU.
Condition	Trigger upgrade thro' ISSU.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95g
Technology/TechnologyGroup	Management - Software Installation & Upgrade

Issue	
Symptom	BUM rate-limit of 1 doesn't work as expected on ICX7150 due to Hardware Limitation.
Condition	The below BUM rate-limit configurations don't rate limit to 1 pps on the ICX due to Hardware Limitation. broadcast limit 1 unknown-unicast limit 1 multicast limit 1
Workaround	Configure BUM rate-limit of 2 or more.
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology/Technology Group	Traffic Management - Rate Limiting and Shaping

Known Issues in FastIron Release 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 FastIron Release 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 FastIron Release 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 FastIron Release 08.0.95

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 FastIron Release 08.0.95

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

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 FastIron Release 08.0.95

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	

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

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	

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

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

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

Issue	FI-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

Closed Issues with Code Changes in FastIron Release 08.0.95p

Issue	FI-282924
Symptom	Occasionally, it is observed that flexauth (dot1x clients) fails for some clients with the [Termination-cause: ACL-Programming-Err] message and then recovers automatically after some time after multiple retries from the supplicant.
Condition	Dot1x clients fail authentication with [Termination-cause: ACL-Programming-Err] message.
Workaround	No preventive workaround available.
Recovery	Recovers automatically after client retries dot1x authentication.
Probability	Low
Found In	FI 09.0.10
Technology / Technology Group	Security - 802.1x Port-based Authentication

Issue	FI-289638
Symptom	Unexpected reload of ICX7150 switch after applying ACL via Smart Zone
Condition	ACL rules configured with log option for the rules.
Workaround	Remove "log" option from the ACL rules applied
Recovery	NA
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-288761
Symptom	port went down when "speed-duplex 10-half" command is configured
Condition	Execution of "speed-duplex 10-half" command
Workaround	NA
Recovery	NA
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	System - CLI

Issue	FI-285629
Symptom	Typo in the help string of command "license set" .
Condition	Execution of command "license set"
Workaround	NA
Recovery	NA
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	System - CLI

Closed Issues with Code Changes in FastIron Release 08.0.95p

Issue	FI-287397
Symptom	ICX does not reconnect to Smart zone sometimes
Condition	Smart zone is unreachable to ICX for extended period of time (Eg: More than 24 hrs)
Workaround	NA
Recovery	Smart zone disable and enable
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Cloud Management

Issue	FI-287156
Symptom	Part number "57-1000128-01" is not listed as unsupported
Condition	Execution of "show media" command
Workaround	NA
Recovery	NA
Probability	Medium
Found In	FI 09.0.10 FI 08.0.95
Technology / Technology Group	System - Optics

Issue	FI-278401
Symptom	syslog output shows user as enabled even though "no user <username> enable" command is executed
Condition	Incorrect syslog message when user is disabled
Workaround	NA
Recovery	NA
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Monitoring - Syslog

Issue	FI-278097
Symptom	Unable to ping VIP of VRRP-E when we have more than 512 IP's
Condition	When the user exceeds more than 512 macs for Layer 3 processing, either with stack-mac or VRRP IP's, number of IP's configured if it goes beyond 512 , then the IPs would face a connectivity issue
Workaround	reduce the number of IP's below 512 , thereby reducing the L3 system MAC usage within 512.
Recovery	Disable VRRP-e.
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 - VRRP and VRRP-E (IPv4)

Issue	FI-254961
Symptom	ICX7550 may sometimes report "PoE severe error: Lost communication link with the PoE controller" error.
Condition	ICX7550 may sometimes report "PoE severe error: Lost communication link with the PoE controller" error.
Workaround	None
Recovery	If this issue happens, ICX7550 will trigger PoE recovery causing PDs to get power cycled. On ICX8200, user need to power cycle the complete unit to recover.
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Management - PoE/PoE+

Issue	FI-250871
Symptom	Edge devices such as laptops may lose network connectivity with frequent MAC address operations (add/delete).
Condition	The network connectivity may be affected with frequent MAC operations - MAC address add/delete.
Workaround	Reducing the MAC operations via Solar Winds monitoring app.
Recovery	Switch reload should recover the unit.
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Layer 2 Switching - VLAN - Virtual LAN

Closed Issues with Code Changes in FastIron Release 08.0.95n

Issue	FI-285764
Symptom	Supportsave SCP is failing for remote machine users password starting with '!'
Condition	User Password starting with "!" character
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-284669
Symptom	System(ICX) memory gets drained
Condition	when SZ query response is not successful
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-284662
Symptom	On ICX7750 stack, when active stack member powers down and secondary unit becomes the active stack member, 'ip tcp burst normal' and 'ip icmp attack-rate' configs are no longer present in the running-config and attempting to execute both config lines returns an error
Condition	Standby becoming active and having configurations "ip tcp burst normal" and 'ip icmp attack-rate'
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Security - DoS (Denial of Service) protection

Closed Issues with Code Changes in FastIron Release 08.0.95n

Issue	FI-283995
Symptom	snmpwalk on table snGblRtRouteOnly will return "no such instance" error message
Condition	snmpwalk on snGblRtRouteOnly
Workaround	None
Recovery	None
Probability	
Found In	FI 09.0.10 FI 08.0.90 FI 08.0.95
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-268467
Symptom	System start time might be drifting.
Condition	System start time might be drifting when show version is executed from CLI.
Workaround	NA
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management

Issue	FI-282483
Symptom	lldp med location-id port range command execution will fail
Condition	lldp med location-id command contains port range
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-282147
Symptom	ICX taking more time[~30 minutes] to reconnect with SZ.
Condition	When ICX have Network connectivity issue to connect with SZ for more than 1 hour. ICX has multiple manager active-list configured and some SZ IP address are not reachable.
Workaround	The below CLI commands will help to get SZ connectivity faster like each connect request in 3 seconds interval. "manager disable" and "no manager disable" OR "manager reset"
Recovery	The below CLI commands will help to get SZ connectivity faster like each connect request in 3 seconds interval. "manager disable" and "no manager disable" OR "manager reset"
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Management - Management GUI

Issue	FI-282109
Symptom	No access to Internet from Wifi client
Condition	When WiFi client is moved from one AP to another AP
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-280237
Symptom	"show interface ethernet <unit/module/port>" command output displays as "It is not a valid port <unit/module/port>"
Condition	In a stack setup, when ICX 7550 is a standby/member unit with 10G module/slot.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-280142
Symptom	Allowing non established TCP connections to the network.
Condition	Executing "permit tcp any any established"
Workaround	
Recovery	
Probability	
Found In	FI 09.0.10 FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-279953
Symptom	"web-management disable" command doesn't disable http and https.
Condition	when both https and http is enabled (or) either of them is enabled through "web-management http/https" command.
Workaround	use "no web-management http" and "no web-management https" to disable http and https respectively.
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Security - Web Authentication

Closed Issues with Code Changes in FastIron Release 08.0.95n

Issue	FI-276824
Symptom	Observed the BCM sdk error while executing "qos-profile multicast <id>"
Condition	Execute "qos-profile multicast <id>"
Workaround	No work around
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Traffic Management - QoS - Quality of Service

Issue	FI-276562
Symptom	ICX switches are offline in SZ
Condition	SZ session establishment for an ICX device fails
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-277683
Symptom	Unexpected reload of ICX-7550 under rare conditions
Condition	Some timing issue can cause unexpected reload of ICX-7550
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-276817
Symptom	SSH Outbound session failed
Condition	Establishing SSH Outbound session failed when taking backup of configuration
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-275649
Symptom	Connectivity issue with clients and VRRP peer
Condition	Connectivity issue with clients and VRRP peer
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	System - System

Issue	FI-275361
Symptom	Users not able to configure arp-inspection trust command with port range
Condition	User failed to configure arp-inspection trust on multiple ports at same time
Workaround	The CLI support for this command has been implemented for the port range
Recovery	NA
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	System - CLI

Issue	FI-271270
Symptom	Module ports comes up after several minutes
Condition	Ports 1/3/1 and 1/4/1 on mod ICX7400-1X40GQ 1-port 40G Module
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-268467
Symptom	System start time might be drifting.
Condition	System start time might be drifting when show version is executed from CLI.
Workaround	NA
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management

Closed Issues with Code Changes in FastIron Release 08.0.95n

Issue	FI-258381
Symptom	1G M-TX(SFP) does not come up on 7750
Condition	1G M-TX(SFP) does not come up on 7750
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Closed Issues with Code Changes in FastIron Release 08.0.95m

Issue	FI-275536
Symptom	The active member in a 2 member ICX7750 stack experienced unexpected reload.
Condition	Active unit of 2 member ICX7750 stack experienced unexpected reload, when generating log message in case of hardware route programming failure.
Workaround	NA
Recovery	None
Probability	Low
Found In	FI 08.0.80
Technology / Technology Group	System - System

Issue	FI-277373
Symptom	SZ Active-list might get reversed after reload.
Condition	When configuring the SZ Active-list and then do a reload, SZ Active-list in the running config might be reversed.
Workaround	NA
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Management

Issue	FI-275489
Symptom	Connectivity between ICX and SZ might be lost.
Condition	Connectivity between ICX and SZ might be lost.
Workaround	Execute from CLI- "sz disable" and then "no sz disable"
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Management

Issue	FI-274344
Symptom	IPV6 Outbound SSH connection might not be established.
Condition	When invoking an IPV6 Outbound SSH connection.
Workaround	NA
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Closed Issues with Code Changes in FastIron Release 08.0.95m

Issue	FI-273456
Symptom	Unexpected reload may occur.
Condition	Unexpected reload may occur when ICX is connected with SZ.
Workaround	Disconnect SZ from ICX and reload the device.
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3

Issue	FI-273253
Symptom	Users configured via CLI with service password encryption SHA256 enabled might display wrong salt string.
Condition	Users configured via CLI with service password encryption SHA256 enabled might display wrong salt string.
Workaround	NA
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management

Issue	FI-273198
Symptom	Unexpected reload may occur.
Condition	Unexpected reload may occur when ICX is connected with SZ.
Workaround	Disconnect SZ from ICX and reload the device.
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3

Issue	FI-273178
Symptom	Global PBR cannot be activated on version 08095 if the per-port-per-vlan ACLs is enable on previous version's 08090's
Condition	"acl-per-port-per-vlan enable" configuration in version's 08090 during 8095 upgrade.
Workaround	In 08090 we can remove configuration "acl-per-port-per-vlan enable" in running configuration before upgrade to 08095.
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer

Issue	FI-273171
Symptom	Ping/Peer reachability might fail with Port Mac Security, Dynamic ARP Inspection enabled with Switch image.
Condition	Ping/Peer reachability might fail with Port Mac Security, Dynamic ARP Inspection enabled with Switch image.
Workaround	NA
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Security - Port Security

Issue	FI-271327
Symptom	VLAN <id> configured as Auth Default VLAN for interface specific is allowed to delete.
Condition	When Flex Auth port specific Auth default vlan configured and the same vlan will be deleted by using no vlan cli.
Workaround	Remove interface specific configuration, followed by remove vlan by using no vlan cli command.
Recovery	Remove interface specific configuration, followed by remove vlan by using no vlan cli command.
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Security - MAC Port-based Authentication

Issue	FI-272025
Symptom	Authentication using Windows base certificate method may fail at ICX.
Condition	Windows certificate authentication may fail, when jumbo configuration is enabled on ICX.
Workaround	Disable jumbo configuration
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Security - RADIUS

Issue	FI-268467
Symptom	System start time might be drifting.
Condition	System start time might be drifting when show version is executed from CLI.
Workaround	NA
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management

Closed Issues with Code Changes in FastIron Release 08.0.95k

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

Issue	FI-273143
Symptom	ARP might not be resolved or connectivity might be broken when tag profile enabled on LAG.
Condition	When tag profile enabled on LAG.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 2 Switching - QnQ - IEEE 802.1Q

Issue	FI-272356
Symptom	Multicast packets might not be flooded across VLAN for a reserved range by hardware.
Condition	When multicast packets from reserved range are received on a particular VLAN.
Workaround	
Recovery	
Probability	
Found In	FI 09.0.10
Technology / Technology Group	IP Multicast - IPv4 Multicast VLAN Traffic Reduction

Issue	FI-272984
Symptom	Unexpected Reload might occur when we execute "dm ipv4-unicast vrf 20 hw-route"
Condition	Unexpected Reload might occur when we execute "dm ipv4-unicast vrf 20 hw-route"
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Closed Issues with Code Changes in FastIron Release 08.0.95k

Issue	FI-272923
Symptom	Copper SFP ports might show are in UP state before 7850-48F completely boots up.
Condition	Copper SFP ports might show in UP state before 7850-48F completely boots up.
Workaround	None
Recovery	NA
Probability	
Found In	FI 09.0.10 FI 08.0.95
Technology / Technology Group	

Issue	FI-270797
Symptom	Peer reachability may fail from non-default vrf to default vrf using static routes to leak vrf routes.
Condition	Ping might fail between peers in multiple VRFs.
Workaround	Either reload the core or flap the outgoing lag interface on core connected between the peers.
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-270902
Symptom	Having global PBR enabled, VLANs and LAGs configured with ve interfaces, unexpected reload might occur on IXC7550 stack.
Condition	Unexpected reload might occur when global PBR enabled.
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-270333
Symptom	When ICX7250 is rebooted, it might reserve PoE on ports with no PD connected.
Condition	Switch reserves PoE on ports with no PD connected upon reboot
Workaround	None
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	System - System

Closed Issues with Code Changes in FastIron Release 08.0.95j

Issue	FI-271730
Symptom	Unexpected reload is seen when inserting 100gb module in slot 3
Condition	In ICX7550 when inserting 100gb module in slot 3 unexpected reload is seen
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	System - System

Issue	FI-264785
Symptom	Brocade optics 1G SFP port show optics result not displayed.
Condition	Brocade optics 1G SFP port show optics result not displayed.
Workaround	None
Recovery	None.
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-271214
Symptom	Unexpected Device Reload might happen when TCP packets are received and processed
Condition	Unexpected Device Reload might happen when TCP packets are received and processed
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Closed Issues with Code Changes in FastIron Release 08.0.95j

Issue	FI-248085
Symptom	The error "miur_phy_module_read: Failed. rc = -9" is printed on the console and protocols might flap.
Condition	When optical monitoring is enabled on ICX device with 1GE M-SX, Part# : PL-XPL-VC-S13-19, PHY read fails and CPU is hogged. And so, the error "miur_phy_module_read: Failed. rc = -9" is printed and protocols flap.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	System - Optics

Issue	FI-269551
Symptom	VIDX free entry get exhausted and hence the flow cannot be programmed in the HW.
Condition	1. Configure a single SSM flow in multicast deployment 2. Send IGMP reports/pim join prune message to leave the flow instead delete the flow. 3. Repeat step 2 till all free vidx get use the max number vidx supported.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	IP Multicast - IPv4 Multicast Routing

Issue	FI-269015
Symptom	Unexpected reload of ICX device might happen When Optical Monitor is enabled on 100GBASE-ER4 QSFP
Condition	When Optical Monitor is enabled on 100GBASE-ER4 QSFP
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Monitoring - Hardware Monitoring

Issue	FI-268515
Symptom	After Device reload, Partial LAG configurations might be missing
Condition	When more than 64 LAG configuration are configured, some of the configurations might be missing after device reload.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-269501
Symptom	Device reload observed, When Radius server attribute Tunnel-Private-Group-Id filled with Double quotes and length is more than 32 characters.
Condition	Radius server configured and connected. When Radius server attribute Tunnel-Private-Group-Id filled with Double quotes in first and last of the string and length is more than 32 characters.
Workaround	None.
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-268973
Symptom	LLDP System name will display only 14 characters and remaining characters are trimmed.
Condition	When system name has more than 14 characters and "show lldp neighbour" cli command is executed.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	System - CLI

Issue	FI-268153
Symptom	Gratuitous ARP entry might not be updated in ICX.
Condition	When VM movement happens after ARP is learnt for a host, ARP might not be updated with the new change in the arp cache.
Workaround	Clearing the ARP cache when GARP packets are being received would update the ARP entries.
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-267822
Symptom	Unexpected Device Reload might happen When TCP packets are received and processed.
Condition	Unexpected Device Reload might happen When TCP packets are received and processed.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Closed Issues with Code Changes in FastIron Release 08.0.95j

Issue	FI-267565
Symptom	Unexpected reboot might be experienced on 7250/7150 devices
Condition	Unexpected reboot might be experienced on 7250/7150 devices when a packet is received and processed by the CPU
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-267302
Symptom	Dhcp6-relay will not be learning/installing the delegated prefixes from DHCP6-server. Clients will be unable to reach the network and its services.
Condition	Delegated dhcpv6 prefixes from the external dhcp6-server will not be installed/learned on the DHCP6-Relay.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.90 FI 08.0.95
Technology / Technology Group	

Issue	FI-266266
Symptom	OSPF might fail to re-routing the traffic when connectivity is lost between the devices.
Condition	OSPF Routing Enabled and Routing table have 300 external routes imported in NSSA area.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPFv3 - IPv6 Open Shortest Path First

Issue	FI-266764
Symptom	Unexpected reload of ICX device might happen
Condition	1. DHCP6 Helper address configured in any of the ICX interface 2. DHCP6 Relay forward packet received in an ICX interface where there is no explicit helper address.
Workaround	Configuration of Helper Address in the interface where the DHCP6 relay service is expected.
Recovery	None
Probability	Low
Found In	FI 08.0.92
Technology / Technology Group	Layer 3 Routing/Network Layer - DCHP IPv4/IPv6 Relay

Issue	FI-265925
Symptom	Some devices info are missing in SNMP IldpRemTable
Condition	When using SPX Environment with devices attached to PE, some of the devices are missed in SNMP IldpRemTable
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-266467
Symptom	Interface with IPv6 configured might not come up after warm/cold restart if IP FOLLOW command is configured on the VE along with IPv4.
Condition	Configure ip follow configuration for any interface. Configure ipv4 and ipv6 addresses on the same interface.
Workaround	
Recovery	After device boot up, If we remove ip follow configuration from the the interface running configuration, interface's ve port status will be up. Alternatively, if physical port is administratively made down and up, the interface will come up.
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - IPv6 Addressing

Issue	FI-266250
Symptom	snmpwalk returns same iftype for normal and lag interfaces
Condition	snmpwalk returns same iftype for normal and lag interfaces
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-266164
Symptom	AP R650(PD device) goes into POE Overload state
Condition	When ICX 7550 used with the PD device AP R650, the device gets into POE overload state.
Workaround	None
Recovery	None
Probability	High
Found In	FI 09.0.10 FI 08.0.95
Technology / Technology Group	Management - PoE/PoE+

Closed Issues with Code Changes in FastIron Release 08.0.95j

Issue	FI-266131
Symptom	Stack formation is broken even when stack-trunk has been configured.
Condition	When any one of the cable is reseated which is part of the stack-trunk redundancy feature, stack unit formation is broken.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Stacking - Stack Failover/Switchover

Issue	FI-265960
Symptom	Unexpected reload of ICX may happen
Condition	Unexpected reload of ICX may happen when POE is enabled
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Management - PoE/PoE+

Issue	FI-265863
Symptom	Unexpected reload due to POED
Condition	In ICX 7550 with POED unexpected reload might be seen
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-265859
Symptom	Unexpected Device Reload might happen When TCP packets are received and processed.
Condition	Unexpected Device Reload might happen When TCP packets are received and processed.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-264564
Symptom	Unsupported CLI "ip ospf authentication md5" in FIPS mode may seen in ICX running-config
Condition	ICX Upgrade from Lower versions to 8095
Workaround	Following correct upgrade procedure through 8080 non-UFI image and applying "write memory" configuration.
Recovery	None
Probability	Low
Found In	FI 08.0.70 FI 08.0.80 FI 08.0.90
Technology / Technology Group	Security - FIPS - Federal Information Processing Standards

Issue	FI-265746
Symptom	Factory reset with reset button press will Not work in 7650 and 7850 platforms.
Condition	System will bootup without factory reset, so the following will Not be erased, 1. uboot params will Not be erased. 2. All configuration will Not be erased. 3. Core Files, Logs will Not be erased.
Workaround	Instead of doing with 'reset' button press, Factory reset can be performed with CLI "erase system factory-default".
Recovery	Not applicable.
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-265703
Symptom	If DHCP session is terminated from the DHCP server and if DHCP client requests new IP after lease expiry, IP address will be assigned and connectivity (ping to DHCP server) might be lost when source guard is configured.
Condition	When DHCP session is terminated from the DHCP server and then when lease expires , connectivity from DHCP client to server might be lost
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Security - IP Source Guard

Issue	FI-265333
Symptom	Port configuration("speed-duplex 1000-full", "gig-default neg-off") is missing in running-configuration
Condition	When stack switch-over happens, port configuration will be missing in running configuration.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	

Closed Issues with Code Changes in FastIron Release 08.0.95j

Issue	FI-265441
Symptom	ACL name with "space" between the words may get removed on reboot
Condition	1. ACL name with "space" between the words 2. Reload of ICX device
Workaround	NA
Recovery	NA
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-262110
Symptom	When AP?s moved over to 7550s seeing AP?s hit a PD Overload state and go offline
Condition	There is high inrush current with R650 AP when connected to 4pair poe port.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-264785
Symptom	Brocade optics 1G SFP port show optics result not displayed.
Condition	Brocade optics 1G SFP port show optics result not displayed.
Workaround	None
Recovery	None.
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-264691
Symptom	Incoming new SSH Regular Sessions were not allowed on ICX.
Condition	When regular SSH connection was initiated via enms tool to connect to ICX, connection was refused.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-264365
Symptom	Customer unable to configure command speed-duplex 10-half as BCM error is observed.
Condition	When configured speed-duplex 10-half via configuration mode on an ethernet interface.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-264277
Symptom	External BGP Routes are not learned.
Condition	When BGP peer sends bigger sized packets greater than 1500 bytes, the packets are dropped and the external BGP routes are not learnt.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - BGP4 - IPv4 Border Gateway Protocol

Issue	FI-263500
Symptom	After reload /power cycle /switch-over, LAG ports adding validation might fail if BUM is configured.
Condition	When both Lag ports and BUM are configured
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 2 Switching - LAG - Link Aggregation Group

Issue	FI-261142
Symptom	Unexpected reload of the ICX will be observed when a filter is applied to the redistribution from BGP to OSPF using a distribute-list and a route map
Condition	Unexpected reload of the ICX will be observed when a filter is applied to the redistribution from BGP to OSPF using a distribute-list and a route map
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Security - PBR - Policy-Based Routing

Closed Issues with Code Changes in FastIron Release 08.0.95j

Issue	FI-261711
Symptom	Error is displayed when show optic command is executed
Condition	When show optic command is executed, error is displayed
Workaround	
Recovery	
Probability	
Found In	FI 08.0.70 FI 08.0.90 FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-261709
Symptom	MAC Address not displayed properly in WebGUI.
Condition	When device is accessed via WebGUI, MAC address will not be displayed
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-250990
Symptom	LAG interfaces were brought down which affected the connectivity in MCT set up, when copy tftp image was invoked
Condition	copy tftp image upgrade was taking more time, due to which LACP was brought down.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Closed Issues with Code Changes in FastIron Release 08.0.95h

Issue	FI-264272
Symptom	After upgrade from 8095d to 8095g, flex authentication might fail.
Condition	When DNS query is sent multiple times.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Management - AAA

Issue	FI-262408
Symptom	System started time might be drifting in the output of "show version" command.
Condition	Output of "show version" CLI has System start time which keeps changing continuously.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-258599
Symptom	ICX may disconnect the connection with SWR randomly.
Condition	When ICX tries to connect with SWR continuously in a bad network condition, there could be chances of TLS getting exhausted and not allowing the new connection to be established.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-258438
Symptom	Unable to reach ICX from Gateway when VLAN mirroring is configured on the VLAN.
Condition	Issue is specific to ICX 7150. When VLAN mirroring is configured on the VLAN connected to Gateway, ARP Request packets are dropped.
Workaround	None
Recovery	1. Clear ARP corresponding to Gateway in ICX 2. Ping Gateway from ICX
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol

Closed Issues with Code Changes in FastIron Release 08.0.95h

Issue	FI-260023
Symptom	Device might experience unexpected reload while processing TCP based communication close operation.
Condition	When any TCP based application closes the connection, device might experience unexpected reload rarely.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-259907
Symptom	Device might reload unexpectedly when interface is configured with secondary ip address and primary address is replaced with dynamic option.
Condition	1. Configure primary and secondary ip address for an interface. 2. In the same interface try to change the primary ip address with dynamic and replace option. (e.g.,) <code>sdwcore(config-if-e10000-2/1/1)#ip address <new ip> <netmask> dynamic replace</code>
Workaround	None.
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Stacking - Traditional Stacking

Issue	FI-252107
Symptom	Active Unit might be Frozen and standby unit will not take over.
Condition	Issue is seen in ICX7750 2-unit stack
Workaround	None
Recovery	Power cycle the active unit
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-259560
Symptom	Unable to save start-up config through scp when management-vrf is set.
Condition	When "copy start scp" command is issued by CLI with management-vrf set, ICX does not save the start-up config in the scp server.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90 FI 08.0.95
Technology / Technology Group	

Issue	FI-255377
Symptom	"show media" output has garbled characters or empty fields for the stack ports.
Condition	When executing show media ethernet command in CLI for stack ports, garbled characters are displayed.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90 FI 08.0.95
Technology / Technology Group	System - Optics

Closed Issues with Code Changes in FastIron Release 08.0.95g

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	None
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Layer 3 Routing/Network Layer - BGP4 - IPv4 Border Gateway Protocol

Issue	FI-222417
Symptom	L3 unicast forwarding not working
Condition	1.stack-switchover 2.reload of new active unit
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Layer 3 Routing/Network Layer

Issue	FI-235799
Symptom	Pair status of the show command for cable-diagnostics tdr displayed as UNKNOWN
Condition	BCM patch missing for SDK 6.5.17
Workaround	No Workaround
Recovery	BCM Patch required to avoid inconsistency in the show cable-diag tdr command
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-246145
Symptom	Device console might hang, when fitrace is enabled for ARP and when the logs are directed to SSH session.
Condition	When we re-direct fitrace logs to SSH session, device console might hang.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol

Closed Issues with Code Changes in FastIron Release 08.0.95g

Issue	FI-242631
Symptom	icmp-rate limit for transit packets cannot be enabled at global level
Condition	ICX does not have an option to enable icmp rate limit for transit packets at global level
Workaround	icmp rate limit can be enabled at the interface level.
Recovery	None
Probability	High
Found In	FI 08.0.90 FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-245408
Symptom	Unable to configure bpdu-flood-enable command
Condition	Added support to enable bpdu-flood-enable command which was earlier supported in Marvel platforms only.
Workaround	No Workaround
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	IP Multicast - IPv4 Multicast Routing

Issue	FI-250161
Symptom	High CPU is observed
Condition	1.when 'multicast passive/active' is configured. 2. Inflow of Multicast traffic
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	IP Multicast - IGMP - Internet Group Management Protocol

Issue	FI-250476
Symptom	Ip-mac config is not removed from standby unit.
Condition	In Active unit, when Ip-mac config on an L3 interface is removed, it is not getting removed from standby unit.
Workaround	Deleting the interface will delete the ip-mac from standby unit as well.
Recovery	Deleting the interface will delete the ip-mac from standby unit as well.
Probability	High
Found In	FI 09.0.00
Technology / Technology Group	Security - MACsec - Media Access Control security

Issue	FI-251146
Symptom	Not possible to modify the rspan-transit vlan.
Condition	When rspan-transit vlan is configured , will not be able to modify the transit vlan like changing the vlan member ports.
Workaround	rspan-transit vlan can be deleted and added again with new configurations
Recovery	rspan-transit vlan can be deleted and added again with new configurations
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Monitoring - OAM - Operations, Admin & Maintenance

Issue	FI-251210
Symptom	If the ICX has an SSH ACL configured, and without explicitly allowing its own IP on the ACL, it will block SZ from pushing the config to it.
Condition	1. Configure SSH ACL on ICX and connect it with SZ. 2. Try to push configuration from SZ , ICX would block the traffic.
Workaround	Add ICX's own IP in ACL to permit the traffic
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Cloud Management - SSH

Issue	FI-223420
Symptom	With RSPAN feature enabled to mirror egress traffic, The BPDU control packets are not excluded from mirroring.
Condition	Configure "rspan source monitor-out ethernet" under rspan vlan on ICX Switch or Router.
Workaround	No Workaround
Recovery	No Recovery
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Monitoring/RAS - Port Mirroring and Monitoring

Issue	FI-250982
Symptom	system name displayed in the binary format in show lldp neighbor output when ICX is connected with other vendor devices
Condition	1. Connect ICX with other vendor devices(cisco/extreme) 2. Enable lldp 3. Execute show lldp neighbor command in ICX. System name would be displayed in binary format
Workaround	show lldp neighbor details CLI command output displays valid system name
Recovery	None
Probability	High
Found In	FI 08.0.90 FI 08.0.95
Technology / Technology Group	Layer 2 - Topology Groups

Closed Issues with Code Changes in FastIron Release 08.0.95g

Issue	FI-251382
Symptom	Configuring "no speed-duplex <100/2500>-full" command removes "speed-duplex 1000-full".
Condition	When speed-duplex for speed other than 1000 is unconfigured, "speed-duplex 1000-full" is wrongly removed
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	System - Optics

Issue	FI-251644
Symptom	ICX device running with 8095x code reloads unexpectedly.
Condition	ICX device might reload unexpectedly when a monitoring tool that periodically SSH into the ICX device, running with 8095x code, to collect 'show arp'.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol

Issue	FI-251789
Symptom	OSPFv2 routers connected to ICX7150 switch may fail to establish adjacency
Condition	OSPF v2 (IPv4) routers must be connected to ICX7150 in same VLAN. IP multicast(IGMP) snooping must be enabled on ICX7150 for that VLAN.
Workaround	Enable flooding of unregistered multicast traffic on ICX7150. "ip multicast flood-unregistered" Flooding of unregistered multicast traffic is disabled by default on multicast-snooping enabled VLANs on ICX7K platforms.
Recovery	Enable flooding of unregistered multicast traffic on ICX7150. "ip multicast flood-unregistered"
Probability	High
Found In	FI 09.0.10
Technology / Technology Group	IP Multicast - IPv4 Multicast VLAN Traffic Reduction

Issue	FI-251146
Symptom	Not possible to modify the rspan-transit vlan.
Condition	When rspan-transit vlan is configured , will not be able to modify the transit vlan like changing the vlan member ports.
Workaround	rspan-transit vlan can be deleted and added again with new configurations
Recovery	rspan-transit vlan can be deleted and added again with new configurations
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Monitoring - OAM - Operations, Admin & Maintenance

Issue	FI-250967
Symptom	CLI Error("invalid UI Port or message length") is thrown when "show auth sess all" is executed
Condition	Termination of the UI Session where the CLI "show auth sess all" is waiting for page display response.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Security - 802.1x Port-based Authentication

Issue	FI-248085
Symptom	The error "miur_phy_module_read: Failed. rc = -9" is printed on the console and protocols might flap.
Condition	When optical monitoring is enabled on ICX device with 1GE M-SX, Part# : PL-XPL-VC-S13-19, PHY read fails and CPU is hogged. And so, the error "miur_phy_module_read: Failed. rc = -9" is printed and protocols flap.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	System - Optics

Issue	FI-251975
Symptom	ICX device shows image as NON-UFI instead of UFI after reload.
Condition	When ICX reloads due to power event, UFI image is wrongly shown as NON-UFI image.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	System - System

Issue	FI-252809
Symptom	Switch may become unresponsive when 'ip default-network' command is configured.
Condition	Switch may become unresponsive when 'ip default-network' command is configured.
Workaround	None
Recovery	None
Probability	High
Found In	FI 09.0.10
Technology / Technology Group	Layer 3 Routing/Network Layer

Closed Issues with Code Changes in FastIron Release 08.0.95g

Issue	FI-252913
Symptom	Dm diag on ICX 7150 returns failure
Condition	CPU Packet Diagnosis failure for 10Gport
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	System - Optics

Issue	FI-252639
Symptom	Unexpected reload of ICX While processing ARP packet
Condition	Unexpected reload of ICX While processing ARP packet
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol

Issue	FI-252581
Symptom	Unexpected reload of ICX While processing ARP packet
Condition	Unexpected reload of ICX While processing ARP packet
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol

Issue	FI-254125
Symptom	Unexpected reload of ICX might be experienced when ACL logging is enabled.
Condition	When IPv4 ACL Logging is applied in ICX
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-254184
Symptom	Unexpected reload of ICX might be experienced, when ACL logging is enabled.
Condition	When IPv4 ACL Logging is applied in ICX.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-254244
Symptom	Unexpected Reload might happen, when SNMP polling is enabled.
Condition	When SNMP polling is done to view the Chassis FAN related OID's, ICX might experience unexpected reload.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-254237
Symptom	TFTP image copy might fail with timeout error, when sflow is enabled with sample rate less than 1024. .
Condition	When sflow is enabled and if tftp image copy is triggered, copy might fail when UDP packets are received in out-of-order.
Workaround	Set the sflow sample rate to 1024 or Higher.
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Management - sFlow

Issue	FI-251307
Symptom	Unconfiguring "speed-duplex" config is not clearing "gig-default compatibility-mode".
Condition	If "speed-duplex 1000-full" configuration is removed first, then "gig-default compatibility-mode" can't be removed.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	System - Optics

Closed Issues with Code Changes in FastIron Release 08.0.95g

Issue	FI-254775
Symptom	Force-up port goes to blocking state
Condition	LACP expiry of the LAG on which the force-up port is part of.
Workaround	None
Recovery	Disable and enable the force-up port.
Probability	Low
Found In	FI 09.0.10 FI 08.0.95
Technology / Technology Group	Layer 2 - Link Aggregation

Issue	FI-252471
Symptom	From SZ the "Copy https flash" Command fails to upgrade the ICX image from 8090j to 8095d.
Condition	"Copy https flash" command fails randomly when the ICX device is upgraded from SZ
Workaround	Retry the same command from SZ
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Cloud Management - SSL

Issue	FI-254182
Symptom	Unexpected reload of ICX While processing ARP packet
Condition	Unexpected reload of ICX While processing ARP packet
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol

Issue	FI-249572
Symptom	File system errors are seen when there is a corruption in file system
Condition	If there is a file system corruption due to abrupt shutdown or bad blocks, file system errors are seen.
Workaround	reboot will run file system check automatically
Recovery	For recoverable errors, reboot will help. For unrecoverable errors, box needs to be RMAed for formatting.
Probability	Medium
Found In	FI 10.0.00 FI 09.0.00
Technology / Technology Group	Other - Other

Issue	FI-253472
Symptom	ICX might stop communicating with SWR and SZ.
Condition	After Alto cloud upgrade, ICX might stop communicating with SWR and SZ.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

Issue	FI-255795
Symptom	Occasionally POE Data might not be displayed and the ICX will experience unexpected reload.
Condition	When POE data was fetched by "show inline power emesg".
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Management - PoE/PoE+ - Power over Ethernet

Issue	FI-255299
Symptom	When VRRP-E is configured on a VE, the ICX device will take up the main role even though , if it has the "active Backup" command configured.
Condition	1, set the track-ports on the Vrrp-e in master device and then "activate backup" 2, Reload The Unit comes back as the Master from Backup
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - VRRPv2 - Virtual Router Redundancy Protocol Version 2

Issue	FI-255806
Symptom	Ping to VRRP IP fails when ACLs are applied on the VLAN.
Condition	The issue occurs when ACLs are applied to the VLAN.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 - VRRP & VRRP-E (IPv4)

Closed Issues with Code Changes in FastIron Release 08.0.95g

Issue	FI-255593
Symptom	Unexpected reload of the device might be experienced in ICX 7250.
Condition	Unexpected reload of the device can happen when processing incoming packet.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Stacking - Stack Management

Issue	FI-256338
Symptom	When non reachable TACACS ip is configured along with "aaa authentication enable default tacacs+ local", no commands will run and the config also will not be displayed.
Condition	1. Configure aaa with default tacacs+ local. 2. Configure management-vrf MNGT. 3. Login and check with "show run" command.
Workaround	Added a static route pointing to the TACACS server. Can also remove the management-vrf command.
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Management - AAA

Issue	FI-254961
Symptom	ICX7550 may sometimes report "PoE severe error: Lost communication link with the PoE controller" error.
Condition	ICX7550 may sometimes report "PoE severe error: Lost communication link with the PoE controller" error.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Management - PoE/PoE+

Issue	FI-257728
Symptom	Unexpected reload might be observed on ICX 7550 when "copy running-config https" command is used.
Condition	When "copy running-config https" command is issued to upload the running config to https server.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Security - HTTP/HTTPS

Closed Issues with Code Changes in FastIron Release 08.0.95f

Issue	FI-250685
Symptom	ICX device running with 8095x code reloads unexpectedly.
Condition	When 'ACL Logging' is enabled in ICX device running with 8095x code, the device reloads unexpectedly.
Workaround	Remove 'ACL Logging'
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-250751
Symptom	In ICX7150, fails to add more than 800 routes.
Condition	When upgraded from 8090 or earlier, fails to add more than 800 routes in ICX7150.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - IP Addressing

Issue	FI-250749
Symptom	The standby unit in a stack reloads unexpectedly.
Condition	After adding and executing batch file, the standby unit reloads unexpectctdly.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Management - CLI - Command Line Interface

Closed Issues with Code Changes in FastIron Release 08.0.95f

Issue	FI-250969
Symptom	Upgrade from 8090 to 8095 and ICX will be losing connectivity to devices whose arp entries are configured statically with static ARP inspection feature turned on.
Condition	1. Add static ARP entry. 2. Enable static ARP inspection and authentication source-guard-protection at interface level
Workaround	Remove the authentication source-guard-protection enable at the interface level and add the source-guard to the VLAN and do source-guard binding.
Recovery	None
Probability	High
Found In	FI 08.0.95
Technology / Technology Group	Security - IP Source Guard

Closed Issues with Code Changes in FastIron Release 08.0.95e

Issue	FI-249102
Symptom	The standby unit reloads unexpectedly when "no ip dhcp-client enable" command is run.
Condition	In ICX stack running with switch image, with static IPv6 address and dynamic IPv4 address assigned, when "no ip dhcp-client enable" is run, the standby unit reloads unexpectedly.
Workaround	Remove the static IPv6 address configured.
Recovery	NA
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Management - DHCP (IPv4)

Issue	FI-202413
Symptom	ICX7550 / ICX7650 / ICX7850 port connected to VDX will be down.
Condition	ICX7550 / ICX7650 / ICX7850 port connected to VDX will be down when connected with 1G SFP.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.70
Technology / Technology Group	System - Optics

Issue	FI-242914
Symptom	Added support for LFS feature on LAG interface
Condition	Added support for LFS feature on LAG interface
Workaround	
Recovery	
Probability	Low
Found In	FI 08.0.70 FI 08.0.80 FI 08.0.92 FI 08.0.95
Technology / Technology Group	Monitoring - Hardware Monitoring

Issue	FI-241626
Symptom	Portstate change to Blocked after adding VLAN on Interface
Condition	After adding the VLAN on an interface, the Port state changed to blocking
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Closed Issues with Code Changes in FastIron Release 08.0.95e

Issue	FI-240156
Symptom	Sometimes ICX might experience unexpected reload during vSZ registering
Condition	vSZ HTTP service unavailable response 503 error might cause unexpected reload of ICX device.
Workaround	None
Recovery	None
Probability	Low
Found In	FI 08.0.95
Technology / Technology Group	Management - Management GUI

Issue	FI-241559
Symptom	Unexpected reload of the device after moving to cloud version
Condition	Unexpected reload of the device can happen when access the ARP entry .
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Cloud Management - Switch Registrar/Tunnel Aggregator

Issue	FI-239003
Symptom	Unexpected reload of ICX device will be observed when dns hostname is used in extended ACL configuration.
Condition	When hostname is used in extended ACL configuration
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	Security

Issue	FI-243073
Symptom	Outbound SCP session may kill the SSH session that it was initiated from
Condition	The root cause is internal SSH sessions resource allocation conflicts.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-244443
Symptom	ssh to ICX within 10 secs after forcefully closing the former session from the same client may fail
Condition	The root cause is ITC race condition between TCP and SSH tasks
Workaround	Wait for longer than 10 seconds to start the next SSH login
Recovery	NA
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-238999
Symptom	ICX running config SZ backup operation failure
Condition	When management VRF is configured, ICX UDP port forwarding was failed, which may cause ICX running config backup failure. Management VRF UDP port forwarding support has been added to fix the problem
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Management - Management GUI

Issue	FI-249958
Symptom	Reachability issue when 'ip-mac' is configured in 8095 code version
Condition	When running in 8095 code, with 'ip-mac' configured if any ACL is applied to the same port, all traffic will be blocked.
Workaround	ACL rule can be removed if possible.
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-235801
Symptom	In switch mode, ICX management VLAN outband interface might broken after system reloading
Condition	management VLAN ACL rule TCAM programming error caused the issue. Recommend management VLAN configure no more than one member port; if need multiple ports, bind the ports into an LAG.
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Management - IPv4/IPv6 Host Management

Closed Issues with Code Changes in FastIron Release 08.0.95e

Issue	FI-239069
Symptom	port microflaps on connecting to ICX7150-stack retimer ports (1/3/4 or 2/3/4)
Condition	Configure retimer port as 1g and use 1G SX SFP for connection
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.90
Technology / Technology Group	System - System

Issue	FI-241139
Symptom	OpenFlow flows with Priority field doesn't take precedence
Condition	When Openflow flows are pushed with priority field, they dont take precedence.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	SDN - OpenFlow

Issue	FI-239718
Symptom	Host connected to MCT cluster unreachable when one side of the MCT LAG is down.
Condition	When MCT LAG is made down on one side, host connected to MCT cluster becomes unreachable
Workaround	None
Recovery	None
Probability	High
Found In	FI 08.0.90
Technology / Technology Group	Layer 2 - Link Aggregation

Issue	FI-250280
Symptom	User may experience that the end devices get IP address [through DHCP or otherwise] but cannot reach the internet and devices on local network.
Condition	User may experience the symptom in a highly scaled environment with thousands of end devices such as PCs/laptops etc.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol

Issue	FI-249479
Symptom	snAgentCpu OID was not working for ICX 7550
Condition	Issue was observed while doing snmpwalk/snmpget for snAgentCpu OID
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-249071
Symptom	ICX cannot connect with vSZ and all SSH/Telnet/SSL access failed
Condition	The root cause is the system wrongly called TCP send buffer out of memory.
Workaround	NA
Recovery	Reload ICX will recover.
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-240811
Symptom	While loading the mib file in NNMi mib browser tool, It throws some standard errors.
Condition	While loading the mib file in NNMi mib browser tool, It throws some standard errors.
Workaround	
Recovery	None
Probability	
Found In	FI 08.0.70 FI 08.0.90 FI 08.0.95
Technology / Technology Group	

Issue	FI-225203
Symptom	ICX port might be stuck in down state after peer Cisco device port flap
Condition	1. Port Down/Up peer Cisco Device 2. ICX Port stuck in Down state.
Workaround	Flap ICX peer end port
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Closed Issues with Code Changes in FastIron Release 08.0.95e

Issue	FI-242588
Symptom	The ICMP echo request might get dropped when Global TCP SYN attack is configured.
Condition	1. Configure Global TCP SYN attack. 2. Issue ping to the ICX IP address.
Workaround	No
Recovery	No
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - ARP - Address Resolution Protocol

Issue	FI-238545
Symptom	Displaying wrong status for dot1dStpPortState OID
Condition	Showing the incorrect status of dot1dStpPortState OID in which the ports are showing as blocking status (2), while the ports are in fact forwarding (5)
Workaround	No
Recovery	No
Probability	
Found In	FI 08.0.90 FI 08.0.95
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Closed Issues with Code Changes in FastIron Release 08.0.95d

Issue	FI-238511
Symptom	When short-path-forwarding is enabled on VRRP-E backup router, ARP entry with VRRP-E MAC was not learned.
Condition	
Workaround	ARP entry with VRRP-E MAC will be learned if short-path forwarding is disabled in VRRP-E backup router
Recovery	ARP entry with VRRP-E MAC will be learned if short-path forwarding is disabled in VRRP-E backup router
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - VRRPv2 - Virtual Router Redundancy Protocol Version 2

Issue	FI-236517
Symptom	DHCP snooping not working when client and server are in different subnets and different VLANs.
Condition	When the packet is coming to router from switch on a trusted port DHCP ACK packet is dropping while it's trying to send to client. When we make the router port as untrusted, offer packet is getting dropped and in both cases, client is not getting IP
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Management - DHCP (IPv4)

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	

Closed Issues with Code Changes in FastIron Release 08.0.95d

Issue	FI-239022
Symptom	Traffic stopped passing through MCT
Condition	Upgrade from 8095b to 8095c
Workaround	None
Recovery	1)do no deploy and deploy of MCT on both peers 2)rolling back to 8095b helped
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	Layer 2 Switching - MCT - Multi-Chassis Trunking

Issue	FI-230263
Symptom	The 'show stack' output displays incorrect ring connection.
Condition	After upgrade to 8090j code, the 'show stack' output displays incorrect ring connection.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-236622
Symptom	In ICX7150, L3 traffic is not passed through module 3.
Condition	When stacking is disabled and the stack ports 1/3/1 and 1/3/3 are used as data ports, L3 traffic is not passed through
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - IP Addressing

Issue	FI-236268
Symptom	In ICX7150, L3 traffic is not passed through module 3.
Condition	When stacking is disabled and the stack ports 1/3/1 and 1/3/3 are used as data ports, L3 traffic is not passed through.
Workaround	
Recovery	
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-229352
Symptom	SSH login being rejected
Condition	In very rare case, the deleted SSH sessions were not fully cleaned up causing the SSH sessions resource not re-usable, thus new SSH login was out of resource and rejected.
Workaround	work around: 1. do crypto key zeroize "Router(config)# crypto key zeroize" 2. regenerate crypto key "Router(config)# crypto key generate"
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-225203
Symptom	ICX port might be stuck in down state after peer Cisco device port flap
Condition	1. Port Down/Up peer Cisco Device 2. ICX Port stuck in Down state.
Workaround	Flap ICX peer end port
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-231381
Symptom	Outbound SSH session from ICX will fail when the SSH server password start with "!"
Condition	1. SSH server password start with "!" 2. Establish Outbound SSH session for the server from ICX
Workaround	NA
Recovery	NA
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Management - CLI - Command Line Interface

Issue	FI-227599
Symptom	When ICX unit joins the stack, it will get into reboot loop
Condition	1. "system-max ip-route" is configured on ICX. 2. An ICX unit is joining the stack
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Closed Issues with Code Changes in FastIron Release 08.0.95d

Issue	FI-219919
Symptom	In ICX7450, the Warning message "System: Stack unit 1 have AC and DC PSUs, this is not supported" will be thrown.
Condition	This warning message, "System: Stack unit 1 have AC and DC PSUs, this is not supported", related to the PSU will be seen rarely in ICX7450.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-220743
Symptom	Not able to remove/change auth-def-vlan configuration from an interface
Condition	Configure Auth-default-vlan configuration in Multi Interface configuration Mode
Workaround	Best option is to change global Auth-def-vlan if it involves multiple ports and only change under interface for few of them, in which case, individual ports can be changed
Recovery	
Probability	Low
Found In	FI 08.0.90
Technology / Technology Group	Security - MAC Port-based Authentication

Issue	FI-233347
Symptom	Lack of TFTP rollover feature causing transfer to fail
Condition	When we try to tftp ICX image with block size set to 512 bytes, TFTP session will time out
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-236979
Symptom	When the hostname of the ICX and DHCP server has the same name configured and when the dynamic ip address is released, the hostname gets changed to default hostname
Condition	1. Set static hostname for ICX device 2. Configure DHCP Server to provide the same hostname. 3. Assign dynamic ip address in the ICX device 4. Release the IP address.
Workaround	Re-configure the static hostname again for ICX device
Recovery	
Probability	
Found In	FI 08.0.92 FI 08.0.95
Technology / Technology Group	Management - Configuration Fundamentals

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

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-234574
Symptom	IPv6 subnet 127 point-to-point interface address configuration might be wrongly treated as duplicated address.
Condition	IPv6 subnet 127 point-to-point interface address configuration.
Workaround	NA
Recovery	Do disable and enable interface could recover sometimes.
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-231100
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

Closed Issues with Code Changes in FastIron Release 08.0.95d

Issue	FI-236268
Symptom	In ICX7150, L3 traffic is not passed through module 3.
Condition	When stacking is disabled and the stack ports 1/3/1 and 1/3/3 are used as data ports, L3 traffic is not passed through.
Workaround	
Recovery	
Probability	Medium
Found In	FI 08.0.95
Technology / Technology Group	

Issue	FI-238497
Symptom	Qsfp read errors will be seen when dumping EEPROM contents on 40GE-Active Copper 5m
Condition	When the command "dm optic 1/2/1 eeprom" is executed, qsfp read errors are thrown on ICX7750.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	

Issue	FI-235053
Symptom	ICX might sometimes reload unexpectedly when sending ICMP unreachable error message.
Condition	ICX might sometimes reload unexpectedly when sending ICMP unreachable error message.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.90
Technology / Technology Group	Management

Issue	FI-238635
Symptom	The link between ICX7850-48FS and ICX7650-48ZP is down
Condition	When connected with 1Gb fiber SFP, the link between ICX-7850-48FS and ICX-7650-48ZP is down.
Workaround	None
Recovery	None
Probability	
Found In	FI 08.0.95
Technology / Technology Group	

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-233957
Symptom	ICX device reloads unexpectedly.
Condition	When ACL logging is configured, the device reloads unexpectedly.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Security - ACLs - Access Control Lists

Issue	FI-236657
Symptom	Removing ICMP/TCP burst causes PING to the loopback IP address fail.
Condition	When "ip icmp attack-rate burst-normal" and "ip tcp burst-normal" configurations are removed, the PING to the loopback IP address fail.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3

Closed Issues with Code Changes in FastIron 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 DUT when stacking is disabled
Workaround	Remove stack-port configuration and reload the Standalone DUT
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Layer 3 Routing/Network Layer - IP Addressing

Closed Issues with Code Changes in FastIron 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

Closed Issues with Code Changes in FastIron 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)

Closed Issues with Code Changes in FastIron Release 08.0.95c

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

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

Closed Issues with Code Changes in FastIron Release 08.0.95c

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

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

Closed Issues with Code Changes in FastIron 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

Closed Issues with Code Changes in FastIron 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)

Closed Issues with Code Changes in FastIron 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

Closed Issues with Code Changes in FastIron 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	

Closed Issues with Code Changes in FastIron 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

Closed Issues with Code Changes in FastIron 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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

Issue	FI-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

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

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

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

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)

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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

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

Issue	FI-210784
Symptom	Sometimes SSH client was logged out unexpectly
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

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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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+

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

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

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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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

Issue	FI-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

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

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

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

Issue	FI-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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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

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

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

Issue	FI-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

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

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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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	

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

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

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	

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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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

Issue	FI-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

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

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

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

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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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	

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	

Closed Issues with Code Changes in FastIron Release 08.0.95

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	

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	

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

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

Issue	FI-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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

Issue	FI-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

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

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

Issue	FI-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

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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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

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

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

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

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

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

Issue	FI-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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

Issue	FI-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

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

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

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

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

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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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	

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

Issue	FI-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

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

Issue	FI-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

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

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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

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

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

Issue	FI-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	

Closed Issues with Code Changes in FastIron Release 08.0.95

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

Issue	FI-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

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	

Closed Issues with Code Changes in FastIron Release 08.0.95

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	

Closed Issues with Code Changes in FastIron Release 08.0.95

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

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

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

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

Issue	FI-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

Closed Issues with Code Changes in FastIron Release 08.0.95

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



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