

# FastIron 10.0.10e for RUCKUS ICX Switches Release Notes Version 1

**Supporting FastIron Software Release 10.0.10e**

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# Document History

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Version	Summary of changes	Publication date
FastIron 10.0.10e for ICX Switches, Version 1	<ul style="list-style-type: none"><li>• New hardware support</li><li>• New features</li><li>• Known and resolved issues</li></ul>	September 27, 2024





# Overview

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## About RUCKUS FastIron Release 10.0.10e

FastIron release 10.0.10e adds support for two new ICX 8200 models (ICX 8200-24PV and ICX 8200-C08PFV<sup>1</sup>).

Refer to the *RUCKUS ICX 8200 Switch Hardware Installation Guide* for details about these new hardware models.

FastIron release 10.0.10e also introduces several new features and enhancements:

- Multi-gig support (2.5 Gbps and 5 Gbps) for ICX 7850-48C devices
- Automatic fanless mode for ICX 8200-24PV devices
- Audio-Visual (AV) Profiles, configurable using RUCKUS Unleashed, are supported on the following ICX 8200 models: ICX 8200-48P, ICX 8200-48PF, ICX 8200-48PF2, 200-24PV, and ICX 8200-C08PFV.

Refer to [Software Features](#) on page 13 for a detailed list of features and enhancements.

## About RUCKUS FastIron Release 10.0.10d

FastIron release 10.0.10d adds support for ICX 7150-ES models. No other ICX 7150 models are supported.

Refer to [Hardware](#) on page 13 for details.

Loading FastIron release 10.0.10d software onto standard ICX 7150 devices is not supported.

FastIron release 10.0.10d introduces the NTP Server Start Delay feature. Refer to [Software Features](#) on page 13 for a detailed list of features and enhancements in the FastIron 10.0.10d release.

## About RUCKUS FastIron Release 10.0.10

RUCKUS FastIron release 10.0.10 introduces several new RUCKUS ICX 8200 models. Refer to [Hardware](#) on page 13 for details.

FastIron release 10.0.10 introduces several new features and manageability enhancements. Key additions include the following:

- Several new ICX 8200 models
- RUCKUS One support on ICX 8200 series switches
- Port profiles
- Web authentication support for network segmentation

Refer to [Software Features](#) on page 13 for a detailed list of features and enhancements in the FastIron 10.0.10 release.

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<sup>1</sup> The ICX 8200-24PV and ICX 8200-C08PFV models are not supported in FastIron release 10.0.20 or 10.0.20a. They will be supported in a future FastIron 10.0.20 release.

## Overview

RUCKUS Product Documentation Resources

# 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>.

## 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](mailto:#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

## 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](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](https://support.ruckuswireless.com/case_management).



# New in This Release

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## Hardware

The following new switch models were introduced in FastIron release 10.0.10e<sup>2</sup>:

- ICX 8200-24PV
- ICX 8200-C08PFV

FastIron release 10.0.10d introduces the RUCKUS ICX 7150-ES series economy scale switch.

The following new switch models were introduced in FastIron release 10.0.10d:

- ICX 7150-C12P-ES
- ICX 7150-24P-ES
- ICX 7150-48P-ES

The following new switch models were introduced in FastIron release 10.0.10:

- ICX 8200-C08ZP
- ICX 8200-24F
- ICX 8200-24FX
- ICX 8200-24ZP
- ICX 8200-48F
- ICX 8200-48ZP2

## Software Features

The following section lists new, modified, and deprecated software features in release 10.0.10.

### NOTE

If you are a RUCKUS One user, RUCKUS recommends that you upgrade your ICX switches to the recommended version listed on the version management page.

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<sup>2</sup> The ICX 8200-24PV and ICX 8200-C08PFV models are not supported in FastIron release 10.0.20 or 10.0.20a. They will be supported in a future FastIron 10.0.20 release.

## New Software Features in 10.0.10e

The ICX 8200-24PV and ICX 8200-C08PFV devices with FastIron release 10.0.10e have the following limitations<sup>3</sup>:

- Do not support RUCKUS One or SmartZone.
- Do not support stacking and only operate as standalone devices.

The following software features and enhancements are introduced 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
Support for 2.5 Gbps and 5 Gbps multi-gig ports	The ICX 7850-48C devices support 2.5 Gbps and 5 Gbps multi-gig ports in addition to the existing support for 1 Gbps and 10 Gbps speeds
Audio Visual (AV) profile support	This release adds support for AV profiles that can be configured using RUCKUS Unleashed. These profiles configure optimized settings to forward AV traffic. This feature is supported only on the ICX 8200-48P, ICX 8200-48PF, ICX 8200-48PF2, ICX 8200-24PV, and ICX 8200-C08PFV devices.  Refer to the <i>RUCKUS Unleashed 200.16 User Guide</i> for an overview of AV Profiles and instructions for creating an AV Profile for your Unleashed-managed ICX switch..
Disabling syslog for MAC address movement	Syslog messages for MAC moves can be disabled on a network device to reduce unnecessary log entries and simplify log management. Refer to the <i>RUCKUS FastIron Management Configuration Guide</i> .
Automatic fanless mode	The ICX 8200-24PV devices have fanless mode enabled by default.
RADIUS status-server enhancements <sup>4</sup>	Provides the ability to disable RADIUS status-server messages. By default, status-server messages are enabled, and server status is continually checked, resulting in a high number of log messages. As an option, you can use the <b>status-server off</b> setting to disable the status-server messages for the configured RADIUS server host.

## New Software Features in 10.0.10d\_cd3

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

### NOTE

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10d\_cd2

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

<sup>3</sup> Support for stacking, RUCKUS One and SmartZone will be added in a future software release.

<sup>4</sup> This feature was introduced in FastIron Release 10.0.10c\_cd4 and 10.0.10e. It is not supported in FastIron 10.0.10d.

**NOTE**

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10d\_cd1

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

**NOTE**

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10d

The following software features and enhancements are introduced 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 response from 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>

## New Software Features in 10.0.10c\_cd4

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

**NOTE**

Not all CD releases go through RUCKUS One (Cloud) qualification.

Feature	Description
RADIUS status-server enhancements <sup>4</sup>	Provides the ability to disable RADIUS status-server messages. By default, status-server messages are enabled, and server status is continually checked, resulting in a high number of log messages. As an option, you can use the <b>status-server off</b> setting to disable the status-server messages for the configured RADIUS server host.

## New Software Features in 10.0.10c\_cd3

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

<sup>4</sup> This feature was introduced in FastIron Release 10.0.10c\_cd4 and 10.0.10e. It is not supported in FastIron 10.0.10d.

## New in This Release

### Software Features

#### NOTE

Not all CD releases go through RUCKUS One (Cloud) qualification.

Feature	Description
DHCP6 Server options 17 and 52	Brings support for enabling DHCP6 server options 17 and 52 to help the clients discover SmartZone via IPv6.
Display encrypted password	Reintroduces the previous behavior with FI 08.0.95 (or older) releases where the encrypted password is displayed in the running configuration.

## New Software Features in 10.0.10c\_cd2

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

#### NOTE

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10c\_cd1

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

#### NOTE

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10c

The following software features and enhancements are introduced 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
VXLAN Enhancement	Support added for VTEP configuration on VE interface. Refer to the <i>RUCKUS FastIron Layer 2 Switching Configuration Guide</i> for more information.
RADIUS priority	You can specify the connection priority when configuring multiple RADIUS servers for 802.1x, Mac authentication, or Web authentication. Refer to the <i>RUCKUS FastIron Security Configuration Guide</i> for more information.
Additional SSH encryption methods	The <b>ip ssh host-key-method</b> command introduces options for enabling or disabling host key algorithms. The <b>ip ssh key-exchange-method</b> command is updated to include new secure key-exchange methods. The <b>ip ssh encryption</b> command is introduced to allow selection of a range of new encryption algorithms. Refer to the <i>RUCKUS FastIron Security Configuration Guide</i> for more information.
Additional SSH security options	The <b>ip ssh stricthostkeycheck ask</b> command prompts the user to confirm the authenticity of the remote host if the host key is not recognized. The <b>ip ssh delete-known-host-key</b> command deletes the known host key for a server and prompts the user to accept or reject the new key on the next connection attempt. Refer to the <i>RUCKUS FastIron Security Configuration Guide</i> for more information.



Feature	Description
BSI C5 Cloud Mode	Enhancements have been added in support of the German Federal Office for Information Security (BSI) cloud computing requirements (C5). The new BSI Cloud mode supports onboarding to SmartZone using an ECDSA certificate. Refer to the <i>RUCKUS FastIron Security Configuration Guide</i> for more information.
Enhance ICX Client Visibility	ICX Client Visibility for RUCKUS One is enhanced to include IP address, MAC address, hostname, OS, vendor class ID, username, and device name of the connected devices. Refer to the <i>RUCKUS FastIron Management Configuration Guide</i> for more information.
RESTConf support for Web Authentication	The RUCKUS Web authentication method provides an ideal port-based authentication and this can be configured on the device using the RESTConf management protocol. Refer to the <i>RUCKUS FastIron RESTCONF Programmers Guide</i> for more information.
RESTConf support for VXLAN and VTEP	VXLAN and VTEP can be configured on the device using the RESTConf management protocol. RESTConf for VXLAN is not supported for ICX 8200 devices. Refer to the <i>RUCKUS FastIron RESTCONF Programmers Guide</i> for more information.
Support for RADIUS Authentication via RUCKUS One	Enables sending RADIUS authentication requests to RUCKUS ONE via the NATS channel.

## New Software Features in 10.0.10b\_cd1

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

### NOTE

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10b

The following software features and enhancements are introduced 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
Disabling web-management when RUCKUS One or SmartZone is connected	Software behavior change when an ICX device is managed by RUCKUS One or SmartZone. Refer to the <i>RUCKUS FastIron Management Configuration Guide</i> for more information.
Display SmartZone username in syslog	When SmartZone is managing an ICX device, the ICX syslogs for events generated by SmartZone include the SmartZone administrator username. Refer to the <i>RUCKUS FastIron Management Configuration Guide</i> for more information on ICX-Management.
Login privilege mode	You can configure the ICX device to enter privileged EXEC mode after a successful login through Telnet or SSH. Refer to the <i>RUCKUS FastIron Security Configuration Guide</i> for more information.
ICX-Management configuration option	ICX-Management commands previously configured only in Privileged EXEC mode can also be configured in Global configuration mode. Refer to <a href="#">Modified Commands in Release 10.0.10</a> on page 25 and to the <i>RUCKUS FastIron Command Reference</i> .

## New in This Release

### Software Features

## New Software Features in 10.0.10a\_cd3

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

#### NOTE

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10a\_cd2

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

#### NOTE

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10a\_cd1

There are no new software features in this release.

This is a FastIron Continuous Deployment (CD) release, which addresses a smaller number of issues than a single-letter patch release or a major release. RUCKUS recommends upgrading to this CD release only if the fixes in this release are needed.

#### NOTE

Not all CD releases go through RUCKUS One (Cloud) qualification.

## New Software Features in 10.0.10a

There are no new software features 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.

## New Software Features in 10.0.10

#### NOTE

Features introduced in FastIron release 09.0.10d and certain features introduced in FastIron release 09.0.10e are not supported in FastIron release 10.0.00 but are supported in FastIron release 10.0.10.<sup>5</sup>

The following software features and enhancements are introduced 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.

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<sup>5</sup> FastIron release 09.0.10d features not supported in FastIron release 10.0.00 but supported in FastIron release 10.0.10: Support for Network Segmentation, Dynamic Bootstrap Protocol (BOOTP) Support, DHCP - IP to Physical Port Mapping, VXLAN with Routing in and out of tunnels (RIOT), VXLAN - VXLAN Network Identifier (VNI) Scale Enhancement, and VXLAN - VXLAN Remote Site Monitoring and Redundancy

FastIron release 09.0.10e features not supported in FastIron release 10.0.00 but supported in FastIron release 10.0.10: RUCKUS One (HTTPS-based Ruckus Cloud management, including on ICX 8200 series switches) and new RestCONF modules described in the *RUCKUS FastIron RESTCONF Programmers Guide*

Feature	Description
Port Profiles	Port profiles can be pre-defined and dynamically applied based on the ICX device type connected to the port. Refer to the <i>RUCKUS FastIron Management Configuration Guide</i> .
Support for Network Segmentation	This release adds support for network segmentation using SmartZone 6.1.1 or SmartZone 6.1.2. The enhancement includes changes in Web authentication to accept a RADIUS-returned VLAN attribute for a Web authentication client, support for VXLAN remote site redundancy, VXLAN RIOT, and VXLAN scaling enhancements.  Refer to the <i>RUCKUS FastIron Layer 2 Switching Configuration Guide</i> and the <i>RUCKUS FastIron Security Configuration Guide</i> .
Fanless mode	Fanless mode can be configured on certain ICX 8200 devices. Refer to the <i>RUCKUS FastIron Management Configuration Guide</i> .
Domain name resolution	You can resolve the domain name for an IP address by querying the DNS server using the <b>nslookup</b> command. Refer to the <i>RUCKUS FastIron Command Reference</i> .
Dynamic Bootstrap Protocol (BOOTP) Support	BOOTP allows the DHCP server to assign an IP address or range of addresses to the BOOTP clients within its address pool. Refer to the <i>RUCKUS FastIron DHCP Configuration Guide</i> .
DHCP - IP to Physical Port Mapping	IP addresses can be reserved within a DHCP address pool against selected Ethernet ports. This allows any device connecting to the selected port on the switch to obtain the same IP address irrespective of the client identifier sent by the device. Newly connected devices on a port are prevented from obtaining a new IP address. Refer to the <i>RUCKUS FastIron DHCP Configuration Guide</i> .
VXLAN with Routing in and out of tunnels (RIOT)	VXLAN with RIOT allows traffic to be routed into and out of Layer 2 VXLAN tunnels. Refer to the <i>RUCKUS FastIron Layer 2 Switching Configuration Guide</i> .
VXLAN - VXLAN Scale Enhancements	VXLAN Scale Enhancements support the following: <ul style="list-style-type: none"> <li>• A range of VLANs can be mapped to a VXLAN Network Identifier (VNI) for a VXLAN overlay-gateway.</li> <li>• A range of mapped VLANs can be extended over a VXLAN overlay-gateway.</li> </ul> Refer to the <i>RUCKUS FastIron Layer 2 Switching Configuration Guide</i> .
VXLAN - VXLAN Remote Site Monitoring and Redundancy	You can configure primary and secondary IP addresses for the remote endpoint of a VXLAN tunnel. In addition, you can configure a keep-alive timer and the number of retries to ensure that the tunnel is always established to an active endpoint. Refer to the <i>RUCKUS FastIron Layer 2 Switching Configuration Guide</i> .
ICX-Management in the RUCKUS One via HTTPS	This release adds RUCKUS One support on ICX 8200 series switches. Refer to the <i>RUCKUS FastIron Management Configuration Guide</i> .

## Important Changes in Release 10.0.10

### Updated Thermal Policy for ICX 8200 Devices

The FastIron release 10.0.10d\_cd3 has an updated thermal policy for ICX 8200 devices with a fine-tuned fan operation for better temperature stability.

## New in This Release

### Important Changes in Release 10.0.10

## Enabling SSH Communication Between 10.0.10c Devices and 08.0.95 Devices

Due to the differences in default key exchange and host key algorithms in different FastIron releases, devices running different releases may experience SSH connection issues.

For devices running FastIron release 09.0.10 and later, when trying to establish an SSH connection with a device running FastIron release 08.0.95 or earlier, a mismatch in algorithms prevents the SSH connection from being established. The problem arises during the negotiation phase, where the server offers key exchange and host key algorithms that are not compatible with the default settings of the device running FastIron release 09.0.10 or later.

For devices running FastIron release 10.0.10c and later, RUCKUS recommends configuring specific key exchange and host key algorithms on the devices to resolve this issue and enable SSH communication. Perform the following procedure to enable SSH communication with devices running FastIron release 08.0.95 or earlier:

```
device# configure terminal
device(config)# ip ssh key-ex
  key-exchange-method          SSH key exchange method
device(config)# ip ssh key-exchange-method
  ASCII string      Enter algorithms separated by a space:
                   diffie-hellman-group-exchange-sha256
                   diffie-hellman-group14-sha256
                   diffie-hellman-group16-sha512
                   diffie-hellman-group18-sha512
                   curve25519-sha256@libssh.org
                   diffie-hellman-group14-sha1
                   ecdh-sha2-nistp256
                   ecdh-sha2-nistp384
                   ecdh-sha2-nistp521
                   curve25519-sha256
device(config)# ip ssh key-exchange-method diffie-hellman-group14-sha1
device(config)# ip ssh host
  host-key-method          SSH host key method
device(config)# ip ssh host-key-method
  ASCII string      Enter algorithms separated by a space:
                   ecdsa-sha2-nistp256
                   ecdsa-sha2-nistp384
                   rsa-sha2-512
                   rsa-sha2-256
                   ssh-rsa
device(config)# ip ssh host-key-method ssh-rsa
```

## ICX 8200 Multigigabit Support in FastIron 10.0.10b

ICX 8200 switches with multigigabit support that are shipped with FastIron release 10.0.10b can be downgraded, if necessary, to FastIron release 10.0.10a; however, they should not be downgraded to earlier releases due to driver incompatibilities.

In the case of an unintentional downgrade, the switch can be recovered by booting with the golden image using the following steps.

1. Make a console connection to the switch.
2. Continuously enter **b** to stop at the boot prompt.
3. Enter the command **boot\_golden\_primary** or **boot\_golden\_secondary**.

## AAA authentication Behavior Changes in FastIron Release 10.0.10a

From FastIron release 10.0.10a, there is a behavior change for the AAA authentication method-list TACACS+ option. The **aaa authorization exec default tacacs+** command must be configured before the **aaa authentication login default tacacs+** command or the **aaa authentication enable default tacacs+** command can be configured. If you attempt to configure either of these commands first, the following message is displayed:

```
Warning- Please configure exec authorization using TACACS+ to get user privilege.
```

From FastIron release 10.0.10a, there is also a behavior change for the AAA authentication method-list RADIUS option. The **aaa authorization exec default radius** command must be configured before the **aaa authentication login default radius** command or the **aaa authentication enable default radius** command can be configured. If you attempt to configure either of these commands first, the following message is displayed:

```
Warning- Please configure exec authorization using RADIUS to get user privilege.
```

## Strict Password Enforcement Available in FastIron Release 10.0.10

Strict password enforcement, re-introduced in FastIron release 10.0.00a, is also available from FastIron release 10.0.10. When strict password enforcement is enabled, new passwords must be a minimum of 15 characters and must meet other requirements. Refer to the *RUCKUS FastIron Security Configuration Guide* for configuration details.

Refer to [Software Features](#) on page 13 for a list of new features 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.

# CLI Commands

## CLI Command Changes in FastIron Release 10.0.10e

### *New Commands for FastIron 10.0.10e*

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

- **mac-move-syslog-disable**

### *Modified Commands for FastIron 10.0.10e*

The following command has been modified (updated for this release).

- **led**
- **radius-server host**

### *Deprecated Commands for FastIron 10.0.10e*

No commands have been deprecated in this release.

## CLI Command Changes in FastIron Release 10.0.10d

### *New Commands for FastIron 10.0.10d*

The following commands have been added (new in this release):

- **delay-server**
- **ip ssh message-authentication-code**

## New in This Release

### CLI Commands

#### **Modified Commands for FastIron 10.0.10d**

The following commands have been modified (updated) in this release.

- **enable user password-masking**
- **username**

#### **Deprecated Commands for FastIron 10.0.10d**

The following commands have been deprecated in this release.

- **ip ssh message-authentication-code disable-hmac-sha1**

## **CLI Command Changes in FastIron Release 10.0.10c\_cd4**

#### **New Commands for FastIron 10.0.10c\_cd4**

No new commands have been added (new in this release):

#### **Modified Commands for FastIron 10.0.10c\_cd4**

The following command has been modified (updated) in this release.

- **radius-server host**

#### **Deprecated Commands for FastIron 10.0.10c\_cd4**

No commands have been deprecated in this release.

## **CLI Command Changes in FastIron Release 10.0.10c\_cd3**

#### **New Commands for FastIron 10.0.10c\_cd3**

The following commands have been added (new in this release):

- **controller-address**

#### **Modified Commands for FastIron 10.0.10c\_cd3**

No commands have been modified (updated) in this release.

#### **Deprecated Commands for FastIron 10.0.10c\_cd3**

No commands have been deprecated in this release.

## CLI Command Changes in FastIron Release 10.0.10c

### *Reintroduced Commands for FastIron 10.0.10c*

The following command has been reintroduced in this release.

- **ip ssh message-authentication-code disable-hmac-sha1**

### *New Commands for FastIron 10.0.10c*

The following commands have been added (new in this release):

- **bsicloud enable**
- **ip dhcp-client information enable**
- **ip ssh delete-known-host-key**
- **ip ssh encryption**
- **ip ssh host-key-method**
- **ip ssh stricthostkeycheck ask**
- **show ip dhcp-client information**

### *Modified Commands for FastIron 10.0.10c*

The following commands have been modified (updated) in this release.

- **crypto key generate**
- **ip ssh key-exchange-method**
- **radius-server host**

### *Deprecated Commands for FastIron 10.0.10c*

The following commands have been deprecated in this release.

- **ip ssh encryption aes-only**

## CLI Command Changes in FastIron Release 10.0.10b

### *Reintroduced Commands for FastIron 10.0.10b*

The following command has been reintroduced in this release.

- **aaa authentication login privilege-mode**

### *New Commands for FastIron 10.0.10b*

No new commands have been introduced in this release.

## New in This Release

### CLI Commands

#### **Modified Commands for FastIron 10.0.10b**

The following commands have been modified (updated) in this release.

- **manager connect**
- **manager disconnect**
- **manager query**
- **manager registrar-query-restart**
- **manager reset**

#### **Deprecated Commands for FastIron 10.0.10b**

No commands have been deprecated in this release.

## **CLI Command Changes in FastIron Release 10.0.10a**

#### **New Commands for FastIron 10.0.10a**

No new commands have been introduced in this release.

#### **Modified Commands for FastIron 10.0.10a**

No commands have been modified (updated) in this release.

#### **Deprecated Commands for FastIron 10.0.10a**

No commands have been deprecated in this release.

## **CLI Command Changes in FastIron Release 10.0.10**

#### **Reintroduced Commands for FastIron 10.0.10**

The following commands have been reintroduced in this release:

- **chassis fanless**
- **dynamic-bootp**
- **extend vlan-range (VXLAN)**
- **failure-detection (VXLAN)**
- **ip dhcp-server bootp ignore**
- **ip dhcp-server use-port-name**
- **map vlan-range (VXLAN)**
- **nslookup**
- **static-port-ip-mapping**
- **vxlan-riot**



### ***New Commands for FastIron 10.0.10***

The following commands have been added (new) in this release:

- **port-profile**
- **show port-profile**
- **show port-profile-mac-oui**
- **show port-profile-ldp**

### ***Modified Commands for FastIron 10.0.10***

The following commands have been modified (updated) in this release.

- **radius-server host**
- **radius-server key**
- **show manager status**
- **show overlay-gateway**
- **site (VXLAN)**
- **tacacs-server host**
- **tacacs-server key**

### ***Deprecated Commands for FastIron 10.0.10***

No commands have been deprecated in this release.

## **RFCs and Standards**

There are no newly supported RFCs or standards in FastIron release 10.0.10, 10.0.10a, 10.0.10b, 10.0.10c, 10.0.10d, or 10.0.10e.

## **MIBs**

No MIBs were updated in FastIron release 10.0.10, 10.0.10a, 10.0.10b, 10.0.10c, 10.0.10d, or 10.0.10e.



# Hardware Support

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## Supported Devices

The following new switch models are supported in FastIron release 10.0.10e and later<sup>6</sup>:

- ICX 8200-24PV
- ICX 8200-C08PFV

The following devices are supported in FastIron release 10.0.10d and later.

- ICX 7150-ES (ICX 7150-C12P-ES, ICX 7150-24P-ES, ICX 7150-48P-ES)

The following devices are supported in FastIron release 10.0.10 and later.

- 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 7850 Series (ICX7850-32Q, ICX7850-48FS, ICX7850-48F, ICX7850-48C)
- ICX 8200 Series (ICX8200-24, ICX8200-24P, ICX8200-24F, ICX8200-24FX, ICX8200-24ZP, ICX8200-48, ICX8200-48F, ICX8200-48P, ICX8200-48ZP2, ICX8200-48PF, ICX8200-48PF2, ICX8200-C08PF, ICX8200-C08ZP)

## Hardware Scaling

The ICX 7150-ES devices with FastIron release 10.0.10d and later supports these scaling numbers.

- ICX 7150-ES devices do not support RUCKUS One or SmartZone. The ICX7150-ES devices are managed by CLI and operate as standalone devices only.

Scale Supported

- Max VLAN – 64
- Max STP instances – 16
- Max User ACL rules – 512

FastIron release 10.0.10c\_cd1 and later supports the following scaling numbers.

- ICX 7550, ICX 7650, ICX 7850 and ICX 8200 devices managed by CLI, RUCKUS One or SmartZone: up to 12-unit stack and up to 4000 VLANs

## 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

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<sup>6</sup> As of this publication date, these models are not yet supported in the FastIron release 10.0.20 code stream.

## Hardware Support

### Supported Power Supplies

- 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>.

# Upgrade Information

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## Image File Names

Download the following FastIron images from <https://support.ruckuswireless.com/>.

The Unified FastIron Image (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 UFI images. Any systems upgraded from 08.0.70 or earlier releases directly to 08.0.90 (manually or using the manifest file) must be upgraded a second time using the UFI image. If the upgrade is from 08.0.80, then use the UFI image.

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

Device	UFI file name (boot, image)
ICX 7150-ES	SPR10010eufi.bin
ICX 7550	GZR10010eufi.bin
ICX 7650	TNR10010eufi.bin
ICX 7850	TNR10010eufi.bin
ICX 8200	RDR10010eufi.bin

## PoE Firmware Files

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

Device	Firmware version	File name
ICX 7150-ES	2.1.8 fw	icx7xxx_poe_02.1.8.b004.fw (PD69200)
	2.2.4 fw	icx7xxx_poe_02.2.4.b002.fw (PD69220)
ICX 7550	1.64.20 fw	icx7xxx_poe_01.64.20.b001.fw
ICX 7650	02.1.8 fw	icx7xxx_poe_02.1.8.b004.fw
ICX 7850	N/A	Not supported
ICX 8200	1.64.20 fw	icx7xxx_poe_01.64.20.b001.fw

The firmware files are generally specific to their devices and are not interchangeable. For example, you cannot load ICX 7550 firmware on an ICX 7650 device.

## Upgrade Information

### Open Source and Third-Party Code

#### NOTE

Please note the following recommendations and notices:

- Inline power is enabled by default as of FastIron release 08.0.70.
- As of FastIron release 08.0.70 **legacy-inline-power** configuration is disabled by default.
- Data link operation is decoupled from inline power by default as of FastIron release 08.0.70.
- Use the **[no] inline power** command to enable and disable POE on one or a range of ports.
- Data link operation is coupled with inline power using the command **inline power ethernet x/x/x** in Privileged EXEC mode or in Interface Configuration mode using the command **inline power couple-datalink**. The PoE behavior remains the same as in releases prior to 08.0.70 (08.0.30, 08.0.40, 08.0.50, 08.0.61).
- Do not downgrade PoE firmware from the factory-installed version. When changing the PoE firmware, always check the current firmware version with the **show inline power detail** command, and make sure the firmware version you are installing is higher than the version currently running.
- PoE firmware will auto upgrade to version 2.1.0 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 7650 devices.

## Open Source and Third-Party Code

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

Third Party Software	Open source (Yes/No)
Abduco - Console	Yes
Aquantia - PHY Drivers	No
avl	Yes
Bind9	Yes
Broadcom - Linux	Yes
Broadcom - PHY Drivers	No
Broadcom - SDK	No
Broadcom / Marvell - sysroot	Yes
Broadcom - Uboot	Yes
Busybox - Telnet	Yes
curl	Yes
diffios - conf_archive	Yes
Dynamic (.so) and static(.a) libraries	Yes
FCGI2 - RESTConf	Yes
FCGIWrap - RESTConf	Yes
Ingy döt Net - YAML Parser, libyaml-0.2.5	Yes
IP Infusion - MVRP	No
iptables	Yes
ISC - DHCPv6 Server	Yes
ISC - DHCPv4 server client	
Libtelnet - RConsole	Yes
libunwind	Yes
libxml	Yes

Third Party Software	Open source (Yes/No)
Linux-Pam - PAM authentication	Yes
Marvell - MSA (SDK)	No
Nettle - Cryptographic library for radsecproxy	Yes
Network Security Services (NSS)	Yes
Nginx - RESTConf/Web	Yes
OpenSSH - SSH client / server	Yes
OpenSSL	Yes
Pyrad - RADIUS	Yes
Python	Yes
Python 3	Yes
Python-PAM - Python based PAM authentication module	Yes
Radsecproxy - Proxy RADIUS server	Yes
rootfs Source (Part of Linux)	Yes
SmartZone (SZ) agent: Nginx - szagent uWSGI - szagent curl - szagent zlib - szagent libxml - szagent	Yes
TACACS Plus (TACACS+)	Yes
Trusted Computing Group - TPM	Yes
Ulogd - Management access	Yes
Web UI: flash_package - webui node_module - webui openssl - webui	Yes
WindRiver - IPSec	No
WindRiver - OSPFv3	No
WindRiver - PKI	No
WindRiver - SNMP	No
ZeroMQ - Library for Inter Process Communication	Yes
zlib	Yes





# Closed Issues with Code Changes in FastIron Release 10.0.10e

Issue	FI-294380
Symptom	New cli is added for disable/enable syslog message when rapid mac movement is observed.
Condition	NA
Workaround	NA
Recovery	NA
Probability	
Found In	FI 10.0.20 FI 10.0.10
Technology / Technology Group	

Issue	FI-295699
Symptom	Wrong help string in support save related commands
Condition	execution of support save related commands
Workaround	NA
Recovery	NA
Probability	
Found In	FI 10.0.20 FI 10.0.10 FI 09.0.10
Technology / Technology Group	Management - CLI - Command Line Interface

Issue	FI-297415
Symptom	Stack link is not recognized correctly
Condition	Unplugged and plugged in the stack link cable of Unit-1 of two-unit stack (ICX7550-48F and ICX7550-48F)
Workaround	
Recovery	unplugging and plugging in the cable of Unit-2 will recover it.
Probability	
Found In	FI 10.0.20
Technology / Technology Group	

Issue	FI-298405
Symptom	SNMP Engine Boots is always 0
Condition	SNMPV3 based discovery or access is used for ICX.
Workaround	None
Recovery	None
Probability	
Found In	FI 10.0.20 FI 10.0.10
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

## Closed Issues with Code Changes in FastIron Release 10.0.10e

<b>Issue</b>	FI-293493
<b>Symptom</b>	On Cold reboot of ICX7550-48F with 1G M-TX(SFP), port comes up in uboot.
<b>Condition</b>	Issue overserved on cold reboot of ICX7550-48F port with 1G M-TX(SFP)
<b>Workaround</b>	No workaround
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 09.0.10 FI 08.0.95
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-294118
<b>Symptom</b>	link with 100M peer device with old PHY chip sets might not come-up very rarely
<b>Condition</b>	link with 100M peer device with old PHY chip sets might not come-up very rarely
<b>Workaround</b>	cable diag and the link-config gig copper autoneg-control commands which was helping the customer
<b>Recovery</b>	cable diag and the link-config gig copper autoneg-control commands which was helping the customer
<b>Probability</b>	
<b>Found In</b>	FI 10.0.20 FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-270206
<b>Symptom</b>	RADIUS Status-Server code 12 received in RADIUS Server when radius session is established.
<b>Condition</b>	On establishing RADIUS connection from ICX
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.10 FI 09.0.00
<b>Technology / Technology Group</b>	Security - 802.1x Port-based Authentication

# Closed Issues with Code Changes in FastIron Release 10.0.10d\_cd3

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Issue	FI-297993
Symptom	After upgrading via Smart Zone, ICX stack experienced unexpected reloads every 5 minutes, requiring power removal to stabilize.
Condition	ICX switches connected to SmartZone/RUCKUS One, experiencing continuous reboots until power is manually disconnected.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - Web Management



# Closed Issues with Code Changes in FastIron Release 10.0.10d\_cd2

<b>Issue</b>	FI-296594
<b>Symptom</b>	In rare scenario, ICX going for a crash and rebooting
<b>Condition</b>	Unexpected reload.
<b>Workaround</b>	N/A
<b>Recovery</b>	N/A
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293078
<b>Symptom</b>	Amber LED on stack ports and data ports
<b>Condition</b>	ICX device boot up
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	High
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-287888
<b>Symptom</b>	The Cisco 8851 IP phone does not fully power on when connected to a switch port with default power settings
<b>Condition</b>	Cisco 8851 IP phones fail to fully power on until the power limit at the switch port level is manually set
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.10 FI 08.0.95
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-288226
<b>Symptom</b>	Application response slowness
<b>Condition</b>	ICX device connected to docking station model Lenovo type 40AY or HP USB-C dock G5
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - System



# Closed Issues with Code Changes in FastIron Release 10.0.10d\_cd1

<b>Issue</b>	FI-294452
<b>Symptom</b>	Observed "Failed to initialise SSL Engine tpm " error while establishing connection between ICX and Ruckus one
<b>Condition</b>	Establishing connection between ICX and Ruckus one
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-292831
<b>Symptom</b>	Broadcast command configuration is not getting applied on all required interfaces in multi port configuration
<b>Condition</b>	Configuration of command "broadcast limit <val > kbps threshold <range > action port-shutdown < val >" under multiple interface (1/1/1 to 1/1/48).
<b>Workaround</b>	Apply the command in lesser port range
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.20 FI 10.0.10
<b>Technology / Technology Group</b>	Traffic Management - Rate Limiting and Shaping

<b>Issue</b>	FI-296313
<b>Symptom</b>	Unable to login directly to Privilege mode
<b>Condition</b>	Configure "aaa authentication login privilege-mode" command in ICX
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	High
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Security - 802.1x Port-based Authentication





# Closed Issues with Code Changes in FastIron Release 10.0.10d

Issue	FI-293641
Symptom	ICX with 3 Unit stack having lag interface with trust dscp , loses LAG member ports when active unit is power cycled
Condition	If trust dscp is configured in the lag interface, LAG member ports are lost when active unit is power cycled.
Workaround	reapply the lost member port config in the LAG after the active unit joins back the stack.
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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+

Issue	FI-286247
Symptom	Devices not able to boot successfully over the network.
Condition	When the ICX7850 is working as DHCP-Server devices getting the IP are not able to boot successfully over the network.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 10.0.10 FI 09.0.10
Technology / Technology Group	Management - DHCP (IPv4)

## Closed Issues with Code Changes in FastIron Release 10.0.10d

<b>Issue</b>	FI-288641
<b>Symptom</b>	Lost communication link with the PoE controller , Shutting down and restarting the PoE module to recover.
<b>Condition</b>	Devices using PoE controller
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-290421
<b>Symptom</b>	Radius authentication fails when server sends reply with a delay >5 seconds
<b>Condition</b>	Authenticate the user with radius server by having some latency in response
<b>Workaround</b>	No workaround
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Security - RADIUS

<b>Issue</b>	FI-290251
<b>Symptom</b>	device crashed when dhcp snoop is enabled
<b>Condition</b>	crash happened if there is a mac movement.
<b>Workaround</b>	No workaround.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-289817
<b>Symptom</b>	Packets of size more than 1500 with df bit gets dropped even with jumbo mtu configured in ICX8200.
<b>Condition</b>	Packets of size more than 1500 with df bit gets dropped even with jumbo mtu configured in ICX8200.
<b>Workaround</b>	None
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

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	
Found In	FI 10.0.10 FI 09.0.10
Technology / Technology Group	Security - 802.1x Port-based Authentication

Issue	FI-289276
Symptom	"show running-config" command didn't display "lldp med" configuration in certain scenarios
Condition	Executing "show running-config" command after configuring "lldp med"
Workaround	
Recovery	
Probability	
Found In	FI 09.0.10
Technology / Technology Group	

Issue	FI-288390
Symptom	"write memory" execution will fail
Condition	Execute "write memory" when CPU utilization more than 98%
Workaround	no workaround
Recovery	na
Probability	
Found In	FI 10.0.10 FI 10.0.00
Technology / Technology Group	Management - CLI - Command Line Interface

Issue	FI-289355
Symptom	In a ring topology, when a stacking port/trunk goes down, it becomes a linear topology. When the stacking port/trunk comes up, the topology should recover to a ring topology. However, in some rare case, the system does not send topology probe packets to the newly up port, and the topology remains linear. It has no major functional impact, except that the stack still operates in linear topology.
Condition	
Workaround	Customer can change stack priority to trigger sending probing packets. For example doing the following in the configuration mode: "stack unit 1", "priority 200", then "priority x", here x is the original value, to recover it the original value. It will trigger sending probe packets in 2 minutes.
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

## Closed Issues with Code Changes in FastIron Release 10.0.10d

Issue	FI-288418
Symptom	Legacy Cisco Phone might not get powered automatically.
Condition	On Switch reload or when Cisco Legacy phones are connected, might not get powered and Operational status can show up as Non-PD.
Workaround	On the port where Legacy Cisco phones are not powering up, disable the interface and wait for PD power up and then enable the interface.
Recovery	Disable the interface, wait for PD power up and then enable the interface.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-289087
Symptom	After a standby becomes an active controller by switch-over or failover, it cannot sync configuration to a new standby.
Condition	Perform switchover or failover
Workaround	NA
Recovery	NA
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Stacking - Stack Failover/Switchover

Issue	FI-289044
Symptom	Rarely rebooted while collecting show tech data
Condition	Execution of show tech
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-289014
Symptom	The customer has a TFTP server. He/she use a script that uses SNMP to do the equivalent of a "write me" and "copy startup tftp" to upload the config changes. In some rare cases, a member may reload.
Condition	
Workaround	no work around
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Stacking - Traditional Stacking

<b>Issue</b>	FI-288536
<b>Symptom</b>	DHCP server configuration is not visible in running-configuration output.
<b>Condition</b>	configure static-mac-ip command in DHCP server pool configurations.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - DHCP (IPv4)

<b>Issue</b>	FI-288412
<b>Symptom</b>	IGMP/MLD receiver does not receive multicast traffic immediately when IGMP/MLD snooping is configured in stack
<b>Condition</b>	IGMP/MLD receiver does not receive multicast traffic immediately when IGMP/MLD snooping is configured in stack
<b>Workaround</b>	configure static igmp port group
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-288390
<b>Symptom</b>	"write memory" execution will fail
<b>Condition</b>	Execute "write memory" when CPU utilization more than 98%
<b>Workaround</b>	no workaround
<b>Recovery</b>	na
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 10.0.00
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-288388
<b>Symptom</b>	IGMP/MLD receiver receive multicast traffic after 10 sec delay when IGMP/MLD snooping is configured in stack
<b>Condition</b>	ICX when deployed in stacking mode and multicast snooping enabled, would then result in 10 sec delay for the receiver to receive multicast traffic.
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	IP Multicast - IGMP - Internet Group Management Protocol

## Closed Issues with Code Changes in FastIron Release 10.0.10d

Issue	FI-288228
Symptom	Even after configuring command "ip show-subnet length" , in "show running configuration", "management access" is not shown in CIDR notation
Condition	Execution of "show running configuration" after executing "ip show-subnet length"
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - IPv4/IPv6 Host Management

Issue	FI-288222
Symptom	WebUI status in CLI and web UI are different
Condition	Establish web management session after disabling web using command ""web-management disable"
Workaround	NA
Recovery	NA
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Management - Web Management

Issue	FI-288015
Symptom	"no" command for dhcp server pool option 242 and 176 will fail
Condition	Have multiple dhcp server pools with option 272 and 176, now delete the 1st and 2nd option configuration for 176 and 242 for each pool, will get an error for 2nd deletion
Workaround	No workaround
Recovery	na
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - DHCP (IPv4)

Issue	FI-288003
Symptom	Any one device in stack stops passing data traffic. Obtaining an IP address or pinging to static address is not successful.
Condition	Problem surfaced normally one week after configuration of switches in network.
Workaround	None
Recovery	Reload affected unit.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

<b>Issue</b>	FI-287885
<b>Symptom</b>	The PING cli when used with option source IP, the last decimal is getting lost in the source IP. As intended source IP changes, it results in a PING failure.
<b>Condition</b>	In ICX when the user tries a ping command along with the source option.
<b>Workaround</b>	NA
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Other - Other

<b>Issue</b>	FI-287724
<b>Symptom</b>	When a local or radius authentication is tried with password length beyond 32 characters, the authentication fails.
<b>Condition</b>	The ICX device with user having password length greater than 32 characters results in authentication failure.
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Security - AAA - Authentication, Authorization, and Accounting

<b>Issue</b>	FI-287481
<b>Symptom</b>	Command "debug ip aaa" shows credentials as clear text
<b>Condition</b>	Execution of command "debug ip aaa"
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 09.0.10
<b>Technology / Technology Group</b>	Security - AAA - Authentication, Authorization, and Accounting

## Closed Issues with Code Changes in FastIron Release 10.0.10d

<b>Issue</b>	FI-286970
<b>Symptom</b>	Unable to access ICX console , SSH , Telnet session
<b>Condition</b>	Using Unimus tool to access switch via SSH and providing invalid user credentials
<b>Workaround</b>	No workaround
<b>Recovery</b>	Reload of the device
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284020
<b>Symptom</b>	"Manual configuration is not allowed for this option" is shown during bootup for dhcp ip and static route pushed by dhcp
<b>Condition</b>	"Manual configuration is not allowed for this option" is shown during bootup for dhcp ip and static route pushed by dhcp
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - Web Management

<b>Issue</b>	FI-282710
<b>Symptom</b>	ICX acting as DHCP client not sending hostname option to server
<b>Condition</b>	When ICX acting as DHCP client
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-287152
<b>Symptom</b>	DHCPACK syslog message is generated very frequently as an Informational message after configuring the lease time value as 5 mins.
<b>Condition</b>	configure the DHCP lease time value to less value.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



<b>Issue</b>	FI-283403
<b>Symptom</b>	Port goes down when swapping a 40g optic with an 100g. "speed-optic" command is not recovering the port back
<b>Condition</b>	Swapping of 40g optic with an 100g
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284496
<b>Symptom</b>	user can see 1Hr time difference in "show clock" and "show log" time stamps
<b>Condition</b>	Issue will be seen if system configured with Day Light Saving time zones and the current time is not in Day Light Saving time.
<b>Workaround</b>	No workaround
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



# Closed Issues with Code Changes in FastIron Release 10.0.10c\_cd4

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<b>Issue</b>	FI-293641
<b>Symptom</b>	ICX with 3 Unit stack having lag interface with trust dscp , loses LAG member ports when active unit is power cycled
<b>Condition</b>	If trust dscp is configured in the lag interface, LAG member ports are lost when active unit is power cycled.
<b>Workaround</b>	reapply the lost member port config in the LAG after the active unit joins back the stack.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-270206
<b>Symptom</b>	Radius Status-Server code 12 received in Radius Server when radius session is established.
<b>Condition</b>	On establishing RADIUS connection from ICX
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.10 FI 09.0.00
<b>Technology / Technology Group</b>	Security - 802.1x Port-based Authentication

<b>Issue</b>	FI-291030
<b>Symptom</b>	Login to ICX fails via console/ssh/telnet/sz with error CLI_SHELL_FAILED: SCP_HDLR-TASK ITC_INIT, ITC_ERR[27]
<b>Condition</b>	Trying to access ICX via console/ssh/telnet/sz
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



# Closed Issues with Code Changes in FastIron Release 10.0.10c\_cd3

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<b>Issue</b>	FI-290251
<b>Symptom</b>	device crashed when dhcp snoop is enabled
<b>Condition</b>	crash happened if there is a mac movement.
<b>Workaround</b>	No workaround.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-289044
<b>Symptom</b>	Rarely rebooted while collecting show tech data
<b>Condition</b>	Execution of show tech
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-289817
<b>Symptom</b>	Packets of size more than 1500 with df bit gets dropped even with jumbo mtu configured in ICX8200.
<b>Condition</b>	Packets of size more than 1500 with df bit gets dropped even with jumbo mtu configured in ICX8200.
<b>Workaround</b>	None
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

Closed Issues with Code Changes in FastIron Release 10.0.10c\_cd3

<b>Issue</b>	FI-289783
<b>Symptom</b>	DHCP discover and DHCP request packets are duplicated.
<b>Condition</b>	Duplication is seen when ICX is working as L2 forwarding agent between DHCP client and DHCP server and IP helper address is configured on different VLAN with Client Visibility feature enabled.
<b>Workaround</b>	Disable Client Visibility. CLI command : no ip dhcp-client information enable
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-289014
<b>Symptom</b>	The customer has a TFTP server. He/she use a script that uses SNMP to do the equivalent of a "write me" and "copy startup tftp" to upload the config changes. In some rare cases, a member may reload.
<b>Condition</b>	
<b>Workaround</b>	no work around
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Stacking - Traditional Stacking

<b>Issue</b>	FI-289355
<b>Symptom</b>	In a ring topology, when a stacking port/trunk goes down, it becomes a linear topology. When the stacking port/trunk comes up, the topology should recover to a ring topology. However, in some rare case, the system does not send topology probe packets to the newly up port, and the topology remains linear. It has no major functional impact, except that the stack still operates in linear topology.
<b>Condition</b>	
<b>Workaround</b>	Customer can change stack priority to trigger sending probing packets. For example doing the following in the configuration mode: "stack unit 1", "priority 200", then "priority x", here x is the original value, to recover it the original value. It will trigger sending probe packets in 2 minutes.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

Issue	FI-288003
Symptom	InErrors or CRC issue on stacking ports and/or uplink ports with passive Direct Attach Cable (DAC)/Twinax cables on ICX8200 units
Condition	When Direct Attach Cable (DAC)/Twinax cables are used in the stacking and/or uplink ports of ICX8200 units, CRC/In-errors may be seen and link may go down.
Workaround	None
Recovery	Unplug and plug in the cable.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-288536
Symptom	DHCP server configuration is not visible in running-configuration output.
Condition	configure static-mac-ip command in DHCP server pool configurations.
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - DHCP (IPv4)

Issue	FI-288015
Symptom	"no" command for dhcp server pool option 242 and 176 will fail
Condition	Have multiple dhcp server pools with option 272 and 176, now delete the 1st and 2nd option configuration for 176 and 242 for each pool, will get an error for 2nd deletion
Workaround	No workaround
Recovery	na
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - DHCP (IPv4)

Issue	FI-288390
Symptom	"write memory" execution will fail
Condition	Execute "write memory" when CPU utilization more than 98%
Workaround	no workaround
Recovery	na
Probability	
Found In	FI 10.0.10 FI 10.0.00
Technology / Technology Group	Management - CLI - Command Line Interface

## Closed Issues with Code Changes in FastIron Release 10.0.10c\_cd3

<b>Issue</b>	FI-289416
<b>Symptom</b>	Rarely Mac learning and aging will not work on a device
<b>Condition</b>	No Conditions
<b>Workaround</b>	No Workaround
<b>Recovery</b>	Reloading the device will recover from the issue.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



# Closed Issues with Code Changes in FastIron Release 10.0.10c\_cd2

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Issue	FI-288418
Symptom	Legacy Cisco Phone might not get powered automatically.
Condition	On Switch reload or when Cisco Legacy phones are connected, might not get powered and Operational status can show up as Non-PD.
Workaround	On the port where Legacy Cisco phones are not powering up, disable the interface and wait for PD power up and then enable the interface.
Recovery	Disable the interface, wait for PD power up and then enable the interface.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-287612
Symptom	IGMP/MLD receiver does not receive multicast traffic immediately when IGMP/MLD snooping is configured in stack
Condition	IGMP/MLD receiver does not receive multicast traffic immediately when IGMP/MLD snooping is configured in stack
Workaround	None
Recovery	None
Probability	
Found In	FI 10.0.20
Technology / Technology Group	

Issue	FI-288546
Symptom	The config terminal might not get accessed.
Condition	In rare condition, the ICX8200 standby unit may not get into ready state and this causes the active unit not to accept any configuration command and returns error saying "Standby unit not ready yet, please try again" .
Workaround	No Workaround
Recovery	Reload with the image and access the config terminal without the message of standby not ready.
Probability	
Found In	FI 10.0.20
Technology / Technology Group	



# Closed Issues with Code Changes in FastIron Release 10.0.10c\_cd1

<b>Issue</b>	FI-286970
<b>Symptom</b>	Unable to access ICX console, SSH, Telnet session
<b>Condition</b>	Using Unimus tool to access switch via SSH and providing invalid user credentials
<b>Workaround</b>	No workaround
<b>Recovery</b>	Reload of the device
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-286820
<b>Symptom</b>	-After enabling restconf on individual members and then forming stack the restconf DB of standby/member units will not be synced with the restconf DB of the active unit. Because of this through RUCKUS One we will not be able to access the data of standby/member units.
<b>Condition</b>	-After enabling restconf on individual members and then forming stack the restconf DB of standby/member units will not be synced with the restconf DB of the active unit. Because of this through RUCKUS One we will not be able to access the data of standby/member units.
<b>Workaround</b>	we have 3 workarounds for this issue. 1. disable and enable the restconf again after the stack formation. 2. configure "restconf config-sync" command. This will do a bulk sync of restconf DB. 3. Reload the setup after stack formation.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-286789
<b>Symptom</b>	Increase in memory usage of ICX device
<b>Condition</b>	ICX device configured with multiple syslog server and dot1x radius authentication.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Traffic Management - Buffer Queue Management



# Closed Issues with Code Changes in FastIron Release 10.0.10c

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<b>Issue</b>	FI-286377
<b>Symptom</b>	ICX device crashed and reloaded
<b>Condition</b>	NA
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - System

<b>Issue</b>	FI-286321
<b>Symptom</b>	static hostname is reverting to default when server responds with same name in opt 12
<b>Condition</b>	static hostname is reverting to default when server responds with same name in opt 12
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284323
<b>Symptom</b>	when the port associated with the VLAN is deleted through SNMP, VLAN also getting deleted
<b>Condition</b>	snmpset on snVlanByPortMemberRowStatus OID with value 3
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - SNMP - Simple Network Management Protocol

## Closed Issues with Code Changes in FastIron Release 10.0.10c

Issue	FI-284910
Symptom	VLAN memberships are inadvertently deleted when the ports associated with the port-profile transition to a down state. This results in the removal of member interfaces from the VLAN, affecting both configurations applied through port-profile and standard configurations.
Condition	When a port, to which a port-profile with VLAN configurations is attached, goes down, this situation can occur.
Workaround	Reconfigure the vlan member interfaces
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Layer 2

Issue	FI-284802
Symptom	Memory leak in ICX device
Condition	Multicast configuration in ICX
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	IP Multicast - IGMP - Internet Group Management Protocol

Issue	FI-284018
Symptom	Configuration parse error when switch is reloaded
Condition	Configuration saved when switch did not execute the command successfully
Workaround	
Recovery	
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Management - CLI - Command Line Interface

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

<b>Issue</b>	FI-283164
<b>Symptom</b>	No commands accepted after login at enable prompt
<b>Condition</b>	Remote server authentication providing unsupported privilege level
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-281125
<b>Symptom</b>	UniFi_UAP-AC-HD Wi-Fi access point would not get powered on ICX8200 and ICX7550
<b>Condition</b>	UniFi_UAP-AC-HD Wi-Fi access point not getting powered.
<b>Workaround</b>	No workaround
<b>Recovery</b>	no recovery.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Other - Other

<b>Issue</b>	FI-283720
<b>Symptom</b>	Dynamic VLAN assignment will fail when Tunnel-Private-Group-ID attribute contains VLAN name
<b>Condition</b>	Radius server configured Tunnel-Private-Group-ID attribute with VLAN names
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Security - RADIUS

<b>Issue</b>	FI-282625
<b>Symptom</b>	Dot1x authentication will fail
<b>Condition</b>	Microsoft NP radius server used as authentication server
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.00
<b>Technology / Technology Group</b>	Security - RADIUS

## Closed Issues with Code Changes in FastIron Release 10.0.10c

<b>Issue</b>	FI-282109
<b>Symptom</b>	No access to Internet from Wi-Fi client
<b>Condition</b>	When Wi-Fi client is moved from one AP to another AP
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 08.0.95
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-282781
<b>Symptom</b>	Unable to SSH from ICX devices running greater than 9.0 releases to ICX devices running earlier 8095 Software version software
<b>Condition</b>	Establishing SSH connection from ICX to ICX device
<b>Workaround</b>	NA
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

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

<b>Issue</b>	FI-282138
<b>Symptom</b>	If 'optical-monitor' is configured globally and then you configure 'optical-monitor [value]' at interface level with a non-default value, it shows the specified value at interface level when you run the command 'sho optic-timer x/x/x: the configuration at interface level will be lost after a reload.
<b>Condition</b>	
<b>Workaround</b>	In this combination of global and interface level configuration will work till the system reload/reboot need to configure interface configure again. only global configure stored in running configure.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Monitoring - Hardware Monitoring



Issue	FI-282136
Symptom	ICX 8200 showing high CPU usage for few minutes and syslog indicating of SCP Queue reaching high water mark
Condition	An ICX 8200 stack, with high number of MAC addition/deletion events happening within short period of time can cause momentary high CPU
Workaround	
Recovery	Automatically recovers from that state after few minutes
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

Issue	FI-281572
Symptom	In the DHCP server, static Mac IP configuration is preventing other clients from receiving IP.
Condition	on configuration of static-mac-ip-mapping.
Workaround	Remove the static-mac-ip-mapping configuration.
Recovery	No
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - DHCP (IPv6)

Issue	FI-279758
Symptom	ICX-8200 console is unresponsive though the switch functionality is fine
Condition	Under rare conditions, ICX switch console is inaccessible
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - CLI - Command Line Interface

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

## Closed Issues with Code Changes in FastIron Release 10.0.10c

Issue	FI-281075
Symptom	High CPU is observed on the ICX
Condition	On paged mode display, if user doesn't provide any option while CLI is expecting an input from the user.
Workaround	Once the paged display prompts options for continue or quit, provide the necessary input to continue.
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - CLI

Issue	FI-279766
Symptom	Unable to start SSH/TELNET sessions.
Condition	Automated tool like AUVIK is running and causing abrupt closure of CLI sessions.
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10 FI 10.0.00
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-277895
Symptom	Outbound SSH session to another ICX is not working.
Condition	Outbound SSH session is initiated from an SSH session and Password for the User has at least one letter in Uppercase.
Workaround	Use TELNET instead of SSH.
Recovery	
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Management - AAA

Issue	FI-274081
Symptom	SSH to ICX will fail
Condition	ICX act as VRRP-e master
Workaround	
Recovery	
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Management - SSH2 and SCP - Secure Shell and Copy

Issue	FI-276546
Symptom	Crash is removed when same network ip is removed from virtual interface and configured on loopback interface in quick succession.
Condition	Crash is removed when same network ip is removed from virtual interface and configured on loopback interface in quick succession.
Workaround	Adding few seconds of delay between the configs will prevent the crash.
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-277687
Symptom	PDs on few continuous ports might not get powered and can show up the status as Overload condition in "show inline power" output.
Condition	The may be seen after switch reload or after disabling and enabling of poe on the ports.
Workaround	
Recovery	disabling and re-enabling PoE on the affected ports can recover from the issue.
Probability	
Found In	FI 10.0.00
Technology / Technology Group	

Issue	FI-276654
Symptom	ICX switches are seen offline in SZ.
Condition	ICX stuck in a connected state with SmartZone.
Workaround	
Recovery	Manager disable no Manager disable
Probability	
Found In	FI 10.0.00
Technology / Technology Group	Management - Management GUI

Issue	FI-275485
Symptom	Mismatch between snmpwalk output on ifPhysAddres OID and mac address of the switch interface
Condition	snmpwalk on ifPhysAddres OID
Workaround	
Recovery	
Probability	
Found In	FI 10.0.00
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

## Closed Issues with Code Changes in FastIron Release 10.0.10c

<b>Issue</b>	FI-273984
<b>Symptom</b>	able to ssh to any server without prompting user.
<b>Condition</b>	When the "ssh hostip" is run by user, it establishes an ssh connection without prompting user.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273633
<b>Symptom</b>	show optical monitor command may yield unexpected result.
<b>Condition</b>	When the interface is in down state, executing show optical monitor on the interface may disable the optical-monitor capability
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	Monitoring - Hardware Monitoring

<b>Issue</b>	FI-273148
<b>Symptom</b>	when management ipv6 address is modified through ssh session, Via the updated new ipv6 address not able to access the switch from remote using ssh.
<b>Condition</b>	when ipv6 address is modified through ssh session.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	Medium
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - IPv4/IPv6 Host Management

<b>Issue</b>	FI-272163
<b>Symptom</b>	show mac-address command may result duplicate entries for the client mac.
<b>Condition</b>	show mac-address command may result duplicate entries for client mac with tagged and untagged vlan when multiple host mode is configured.
<b>Workaround</b>	Disable mac-authentication for the port and enable it again.
<b>Recovery</b>	NA
<b>Probability</b>	Low
<b>Found In</b>	FI 08.0.95
<b>Technology / Technology Group</b>	Layer 2 Switching - VLAN - Virtual LAN

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

<b>Issue</b>	FI-272179
<b>Symptom</b>	Unable to establish CLI session to switch from Ruckus one GUI
<b>Condition</b>	Management source-interface configured for protocol manager/all
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-270895
<b>Symptom</b>	Enabling optical monitor at interface level may return error
<b>Condition</b>	With Brocade optics, enabling optical monitor at interface level may return error
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	Medium
<b>Found In</b>	FI 08.0.95
<b>Technology / Technology Group</b>	Monitoring - Hardware Monitoring

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



# Closed Issues with Code Changes in FastIron Release 10.0.10b\_cd1

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<b>Issue</b>	FI-276774
<b>Symptom</b>	Hostname of the DHCP client not received on DHCP server
<b>Condition</b>	During discovery DHCP client packet will not contain hostname details
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.20
<b>Technology / Technology Group</b>	





# Closed Issues with Code Changes in FastIron Release 10.0.10b

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<b>Issue</b>	FI-273441
<b>Symptom</b>	In SNMP Results ifXTable return values are not properly displaying When the counter values are more than 32 bit values.
<b>Condition</b>	When the ifXTable counter values are more than 32 bit values and the same will be accessed by snmp, SNMP results for more than 32 bit counters are not correct.
<b>Workaround</b>	None.
<b>Recovery</b>	None.
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	Management - SNMP - Simple Network Management Protocol

<b>Issue</b>	FI-281031
<b>Symptom</b>	ICX-7850 can have unexpected reload under rare conditions
<b>Condition</b>	under certain timing conditions ICX-7850 can reload automatically to recover from an error condition
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Stacking - Traditional Stacking

<b>Issue</b>	FI-280867
<b>Symptom</b>	VLAN name is getting removed from the config
<b>Condition</b>	VLAN name is deleted when a port is added to a port-profile
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Closed Issues with Code Changes in FastIron Release 10.0.10b

<b>Issue</b>	FI-280617
<b>Symptom</b>	Same port can be configured, in multiple port profiles
<b>Condition</b>	When user tries to configure same port to multiple port profiles, configuration doesn;t error out
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-279966
<b>Symptom</b>	"ECDSA Key pair generation failed", this message is seen when user tries to generate RSA keys in ICX-8200
<b>Condition</b>	When the uboot environment is not proper the above mentioned issue can occur.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - SSH2 and SCP - Secure Shell and Copy

<b>Issue</b>	FI-279758
<b>Symptom</b>	ICX-8200 console is unresponsive though the switch functionality is fine
<b>Condition</b>	Under rare conditions, ICX switch console is inaccessible
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

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

<b>Issue</b>	FI-279275
<b>Symptom</b>	Unexpected reload while configuring broadcast/multicast/unknown-unicast rate limiting
<b>Condition</b>	When configuring broadcast/multicast/unknown-unicast rate limiting
<b>Workaround</b>	None
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Traffic Management - Rate Limiting and Shaping

<b>Issue</b>	FI-279006
<b>Symptom</b>	ICX8200 can sometime fail in 802.1x authentication
<b>Condition</b>	If radius server sends a packet with more than 1534 length , ICX8200 can fail in 801.1x authentication
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Security - 802.1x Port-based Authentication

<b>Issue</b>	FI-277645
<b>Symptom</b>	Command "show lldp neighbors detail ports ethernet <port>ethernet <port>" generates endless output
<b>Condition</b>	Executing CLI "show lldp neighbors detail ports ethernet <port>ethernet <port>"
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	Management - LLDP - Link Layer Discovery Protocol

<b>Issue</b>	FI-278403
<b>Symptom</b>	ICX Switch will go for reload when removing member port from LAG interface which is also configured as a force-up port.
<b>Condition</b>	When removing the force-up enabled lag member from LAG interface.
<b>Workaround</b>	Remove force-up from the port before removing it from LAG interface.
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Layer 2 - Link Aggregation

## Closed Issues with Code Changes in FastIron Release 10.0.10b

Issue	FI-278378
Symptom	ICX-8200 can go for an unexpected reload under rare condition
Condition	ICX-8200 under certain timing condition can access wrong memory resulting in unexpected reload
Workaround	
Recovery	
Probability	
Found In	FI 10.0.00
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-277464
Symptom	ICX will go for reload when executing "show ip ospf border routers" command.
Condition	when the switch has number of OSPF border router entries more than 65.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Layer 3 Routing/Network Layer - OSPF - IPv4 Open Shortest Path First

Issue	FI-276767
Symptom	DHCP Snoop config is not applied on the ports
Condition	When an older release with port security and dhcp snoop on the same port is upgraded to a later release
Workaround	Configuration should be redone in new released version
Recovery	Configuration should be redone in new released version
Probability	
Found In	FI 10.0.10 FI 09.0.10
Technology / Technology Group	Layer 3 Routing/Network Layer - DHCP - Dynamic Host Configuration Protocol

<b>Issue</b>	FI-276656
<b>Symptom</b>	"show reload" command can provide incorrect detail of scheduled reload
<b>Condition</b>	When a reload is scheduled, icx might report incorrect time in the "show reload" command output
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	Management

<b>Issue</b>	FI-276556
<b>Symptom</b>	Error message will be displayed when trying to access Port setting Page in WebUI interface.
<b>Condition</b>	ICX switch has interfaces configured with 100 Gigabit-Ethernet Fiber type.
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - Management GUI

<b>Issue</b>	FI-273196
<b>Symptom</b>	'aaa authentication login privilege-mode' support not available
<b>Condition</b>	execution of 'aaa authentication login privilege-mode' CLI command
<b>Workaround</b>	na
<b>Recovery</b>	na
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - AAA

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

## Closed Issues with Code Changes in FastIron Release 10.0.10b

<b>Issue</b>	FI-273660
<b>Symptom</b>	When FEC is enabled on lag ports, failed message observed.
<b>Condition</b>	When FEC is enabled on lag ports, its not working.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	Medium
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	System - Optics

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

<b>Issue</b>	FI-271794
<b>Symptom</b>	TACACS is not working when the pound sign is use on the shared key
<b>Condition</b>	When we configure TACACS server key with #sign. Authentication failures will be seen.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.00 FI 09.0.10
<b>Technology / Technology Group</b>	Security - TACACS and TACACS+

<b>Issue</b>	FI-271085
<b>Symptom</b>	AAA authentication returns success with alternate method configured under aaa authentication command even if the first method returns a REJECT.
<b>Condition</b>	Former Behavior: When aaa authentication login default radius tacacs local is configured and the user is rejected by RADIUS, the switch still validates the user with fallback methods TACACS and local. The user is granted access if any fallback method successfully authenticates the user. Expected Behavior: When aaa authentication login default radius tacacs local is configured and the first authentication method is successful, the software grants access and stops the authentication process. If access is rejected by the first authentication method, the software denies access and stops checking.
<b>Workaround</b>	N/A
<b>Recovery</b>	N/A
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Security - AAA - Authentication, Authorization, and Accounting

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

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

<b>Issue</b>	FI-271745
<b>Symptom</b>	CLI configuration command User name expires time failing.
<b>Condition</b>	when we configure user name expires time, CLI command fail observed.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.00 FI 09.0.10
<b>Technology / Technology Group</b>	Management - AAA





# Closed Issues with Code Changes in FastIron Release 10.0.10a\_cd3

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<b>Issue</b>	FI-280537
<b>Symptom</b>	RUCKUS One cloud disconnection
<b>Condition</b>	ICX device connected to RUCKUS One and RUCKUS One cloud is migrated from one data center to another
<b>Workaround</b>	NA
<b>Recovery</b>	Reload of the device
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	



# Closed Issues with Code Changes in FastIron Release 10.0.10a\_cd2

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<b>Issue</b>	FI-276826
<b>Symptom</b>	ICX will not connect to SmartZone/Ruckus One when unreachable IP is the first in the sz active-list
<b>Condition</b>	When active-list for SmartZone/Ruckus One connection is updated with 8 or more SmartZone IP addresses.
<b>Workaround</b>	Configure reachable ip address in active-list for SmartZone/Ruckus One or keep the ip address count in the active-list as 4
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	



# Closed Issues with Code Changes in FastIron Release 10.0.10a\_cd1

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<b>Issue</b>	FI-273255
<b>Symptom</b>	ICX 8200 may experience an unexpected reload
<b>Condition</b>	ICX 8200 may experience an unexpected reload under certain timing condition due to illegal memory access
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



# Closed Issues with Code Changes in FastIron Release 10.0.10a

<b>Issue</b>	FI-276767
<b>Symptom</b>	IPSG is not applied on the ports
<b>Condition</b>	Seen when older configuration is directly copied to a upgraded release
<b>Workaround</b>	Configuration should be redone in new released version
<b>Recovery</b>	Configuration should be redone in new released version
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 09.0.10
<b>Technology / Technology Group</b>	Layer 3 Routing/Network Layer - DHCP - Dynamic Host Configuration Protocol

<b>Issue</b>	FI-276564
<b>Symptom</b>	Seen under some timing condition in system up for few days
<b>Condition</b>	Seen very rarely during long period of time
<b>Workaround</b>	System has to be rebooted
<b>Recovery</b>	System has to be rebooted
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-274501
<b>Symptom</b>	Unable to Console, telnet or SSH to ICX
<b>Condition</b>	Continuous log in/log out with SSH/TELNET, usage of Auvik monitoring tool
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	Management - Configuration Fundamentals

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

## Closed Issues with Code Changes in FastIron Release 10.0.10a

<b>Issue</b>	FI-272299
<b>Symptom</b>	ICX7150-24 devices with high CPU and memory usage
<b>Condition</b>	ICX7150-24 devices after migration to RUCKUS One and upgrade to 9010e code.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	High
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Cloud Management - Cloud Agent

<b>Issue</b>	FI-271649
<b>Symptom</b>	High CPU and Memory utilization increased, When Auvik monitoring tool used to manage the ICX.
<b>Condition</b>	ICX managed by Auvik monitoring tool.
<b>Workaround</b>	Disable Auvik Monitoring.
<b>Recovery</b>	None.
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - SNMP - Simple Network Management Protocol

<b>Issue</b>	FI-272019
<b>Symptom</b>	Unexpected reload of Switch that is having high CPU after a firmware upgrade to SPS09010e is seen.
<b>Condition</b>	Switch that is having high CPU after a firmware upgrade to SPS09010e unexpected reload of switch is seen.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	High
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - High Availability

<b>Issue</b>	FI-271683
<b>Symptom</b>	Read Only privilege user login at enable prompt provides Read Write privilege's
<b>Condition</b>	configure 'aaa authentication enable default local' and login using Read only privilege user
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	



<b>Issue</b>	FI-271798
<b>Symptom</b>	Page mode display not working properly for CLI commands help (using ? symbol)
<b>Condition</b>	1. ICX Page-mode display 2. Getting ICX Commands help using "?" symbol
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	High
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	System - CLI

<b>Issue</b>	FI-271763
<b>Symptom</b>	High cpu seen for longer period of time when scaled mac is being learnt or mac aging triggered for scaled macs learnt.
<b>Condition</b>	In restconf enabled device, for the below mentioned scenarios the high cpu is seen: a. Scaled Mac learning on the port across vlans, b. When scaled dynamic macs are learnt and clear mac-address is triggered c. When scaled dynamic macs are learnt on ports across vlans and clear mac-address vlan/port is triggered. d. When scaled dynamic macs are learnt on ports across vlans and port flaps happens. e. Scaled Dynamic macs learnt on port across Mac aging is triggered.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.00
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-248085
<b>Symptom</b>	The error "miur_phy_module_read: Failed. rc = -9" is printed on the console and protocols might flap.
<b>Condition</b>	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.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	Medium
<b>Found In</b>	FI 08.0.90
<b>Technology / Technology Group</b>	System - Optics

<b>Issue</b>	FI-269649
<b>Symptom</b>	After reload of 1 stack in MCT cluster, when the reloaded core comes up and joins the MCT cluster, not all traffic re-establishes.
<b>Condition</b>	When one stack in MCT cluster reloaded and joins the MCT cluster not all traffic re-establishes.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

## Closed Issues with Code Changes in FastIron Release 10.0.10a

<b>Issue</b>	FI-265703
<b>Symptom</b>	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.
<b>Condition</b>	When DHCP session is terminated from the DHCP server and then when lease expires , connectivity from DHCP client to server might be lost
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 08.0.95
<b>Technology / Technology Group</b>	Security - IP Source Guard

# Closed Issues with Code Changes in FastIron Release 10.0.10

<b>Issue</b>	FI-272364
<b>Symptom</b>	7150-48PF stack Radius server shows printable characters in collectd
<b>Condition</b>	In collectd Radius server shows printable characters
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	High
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Cloud Management - Switch Registrar/Tunnel Aggregator

<b>Issue</b>	FI-272693
<b>Symptom</b>	In RUCKUS One GUI, grpc-proxy-service throws too many Errors
<b>Condition</b>	ICX managed by RUCKUS One and ICX device has ASCII printable values in MAC address
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	Medium
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Cloud Management - Cloud Agent

<b>Issue</b>	FI-271798
<b>Symptom</b>	Page mode display not working properly for CLI commands help (using ? symbol)
<b>Condition</b>	1. ICX Page-mode display 2. Getting ICX Commands help using "?" symbol
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	High
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	System - CLI

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

## Closed Issues with Code Changes in FastIron Release 10.0.10

<b>Issue</b>	FI-271502
<b>Symptom</b>	ICX going to linux prompt after running 'dm raw' and session times out
<b>Condition</b>	When "dm raw" command is run, ICX is going to linux prompt and session times out.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	High
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-271631
<b>Symptom</b>	RUCKUS One not being able to populate data after an unexpected reload of snmpd
<b>Condition</b>	After an unexpected reload of snmpd, RUCKUS One not being able to populate data
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-270250
<b>Symptom</b>	Unexpected Device reload might be observed in ICX7850 platform.
<b>Condition</b>	1. When ARP and LLDP neighbors are populated in the system, 2. Remove the interface from the Vlan. 3. Delete the vlans which has tagged ethernet interface.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	Low
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-269649
<b>Symptom</b>	After reload of 1 stack in MCT cluster, when the reloaded core comes up and joins the MCT cluster, not all traffic re-establishes.
<b>Condition</b>	When one stack in MCT cluster reloaded and joins the MCT cluster not all traffic re-establishes.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-269551
<b>Symptom</b>	VIDX free entry get exhausted and hence the flow cannot be programmed in the HW.
<b>Condition</b>	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.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 08.0.95
<b>Technology / Technology Group</b>	IP Multicast - IPv4 Multicast Routing

<b>Issue</b>	FI-269554
<b>Symptom</b>	Unexpected restart of SNMP agent might happen when "show snmp server" is executed.
<b>Condition</b>	When snmp-server is configured with more than 17 hosts and "show snmp server" command is executed.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-269540
<b>Symptom</b>	Crash is seen on executing "show ip vrrp-extended brief" when multiple vrids are configured on a single Virtual interface.
<b>Condition</b>	Device goes for reload on executing "show ip vrrp-extended brief" when multiple vrid's are configured on a single Virtual interface.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

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

## Closed Issues with Code Changes in FastIron Release 10.0.10

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-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+

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-268518
Symptom	Changing the hostname breaks webGUI access
Condition	While reading the hostname through SHMdb, it fails due junk values in python read. Added ITC to get the hostname from get_hostname_value function which is in ui_be_hostname.c file.
Workaround	changing the hostname from webui/CLI will reflect the new hostname in the CLI and also updates the webpage title with new hostname after "reloading the web page".
Recovery	
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Management - Management GUI

<b>Issue</b>	FI-266766
<b>Symptom</b>	Firmware version is not displayed correctly on WebGUI.
<b>Condition</b>	Firmware version is not displayed correctly on WebGUI.
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 09.0.00
<b>Technology / Technology Group</b>	Management - Management GUI

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

<b>Issue</b>	FI-266467
<b>Symptom</b>	Interface with IPv6 configured might not come up after warm/cold restart if IP FOLLOW command is configured on the VE along with IPv4.
<b>Condition</b>	Configure ip follow configuration for any interface. Configure ipv4 and ipv6 addresses on the same interface.
<b>Workaround</b>	
<b>Recovery</b>	After device boot up, If we remove ip follow configuration from 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.
<b>Probability</b>	
<b>Found In</b>	FI 08.0.95
<b>Technology / Technology Group</b>	Layer 3 Routing/Network Layer - IPv6 Addressing

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

## Closed Issues with Code Changes in FastIron Release 10.0.10

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



# Known Behavior

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

## ICX 8200 Status Mode Button and LEDs

When a RUCKUS ICX 8200-24PV or ICX 8200-C08PFV is operating in the LED Off status mode, the CLI commands to control the LEDs (**led on/off/blink/default**) are not supported. When in the LED Off status mode all LEDs are turned off, including the status mode LEDs (STAT, SPD, ID, USB, PoE), system LEDs (SYS, DIAG, MSTR, CLD, UPDATE, PWR), management port LEDs, and all port LEDs.

To use the CLI commands to control the LEDs, exit the LED Off status mode by pressing the Status mode button.

## New PD Disables PoE on ICX 7150 and ICX 7450 Devices in a Stack with Pre-09.0.10d 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 be turned off when connected in a stack running a pre-09.0.10d software image.

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 09.0.10d or later firmware 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 10.0.10e

Issue	FI-300396
Symptom	ICX device has dynamic as well as static default route configured if static route was configured first and then erase startup is done to bring router to factory default(dhcp).
Condition	ICX device has dynamic as well as static default route configured if static route was configured first and then erase startup is done to bring router to factory default(dhcp).
Workaround	None
Recovery	User has to manually remove the static route via cli.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-300309
Symptom	Firmware download fails from SZ during ICX firmware upgrade
Condition	Failure seen in SZ upgrade
Workaround	Push SZ firmware again or reload the device if image is copied
Recovery	Push SZ firmware again from SZ
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-297072
Symptom	The Configured time by the user will not come correctly for the "show tech-support" and "show manager logs" CLIs.
Condition	When user will give "show tech-support" or "show manager logs", the time will not match with the "show clock" time, if clock is configured by user.
Workaround	None
Recovery	User can remove the configured time and time-zone for the clock and then the logs time will match with the "show clock" for "show tech-support" and "show manager logs".
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

## Known Issues in FastIron Release 10.0.10e

Issue	FI-292821
Symptom	Host doesn't get ipv4 address if dhcp-server is reachable via relay on MCT cluster and VRRP virtual-ip is configured as default gateway for DHCP server.
Condition	Host doesn't get ipv4 address if dhcp-server is reachable via relay on MCT cluster and VRRP virtual-ip is configured as default gateway for DHCP server.
Workaround	None
Recovery	Configure "no ip dhcp-client information enable" on both MCT clusters.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-291268
Symptom	SupportSave Collection Failed Via Management VRF
Condition	Execution of supportsave commands
Workaround	usage of management Ip instead of VRF
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

# Known Issues in FastIron Release 10.0.10d

<b>Issue</b>	FI-296313
<b>Symptom</b>	Unable to login directly to Privilege mode.
<b>Condition</b>	Configure "aaa authentication login privilege-mode" command in ICX.
<b>Workaround</b>	No Workaround
<b>Recovery</b>	None.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-294586
<b>Symptom</b>	On ICX7850, when the user upgrades the device from Smart Zone ( SZ ) to 10010d the "reloaded-by" field in the show version CLI output is shown as "crash"
<b>Condition</b>	On ICX7850, when the user upgrades the device from Smart Zone ( SZ ) to 10010d the "reloaded-by" field in the show version CLI output is shown as "crash"
<b>Workaround</b>	No Workaround
<b>Recovery</b>	To make sure the "reloaded-by" field in the show version output is shown correctly, user may need to reload the system again.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-294542
<b>Symptom</b>	Image copy failing due to High CPU.
<b>Condition</b>	longevity on a scaled setup without any triggers.
<b>Workaround</b>	No Workaround
<b>Recovery</b>	The device will auto-recover within a few minutes/hours. alternatively disabling and enabling a port will recover the device.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10d

Issue	FI-294367
Symptom	The show output for egress rate shaping does not show the stats under the correct queue. The rate limit functionality is working as expected. The show output is proper if the rate shaping is applied on a port level for all queues.
Condition	Egress shaping configured on a port for a particular queue and run the show command
Workaround	None
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-294222
Symptom	Incomplete output in system_cmds.cmd_output.txt file.
Condition	Supportsave command fails to run few commands like "show cpu", "show default values" successfully.
Workaround	Run the commands manually in CLI
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-294202
Symptom	Internal debug data seen as a header for show tech.
Condition	When "show tech-support" command is run, internal decode data is printed as a header in the display output.
Workaround	None
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-294150
Symptom	User notices a one-hour time difference between the clock "show clock" and the timestamp shown in the logs "show log"
Condition	Issue will be seen if the system is configured with the "clock summer-time" command without timezone
Workaround	Configure "clock summer-time" with correct time zone, offset values.
Recovery	
Probability	Low
Found In	FI 10.0.10
Technology / Technology Group	Management - NTP - Network Time Protocol

<b>Issue</b>	FI-283244
<b>Symptom</b>	dm commands for LED on/off/default are not working on 8200 fiber SKU's
<b>Condition</b>	dm led on/off/default and blink port LED debug commands are not working on 8200 fiber SKU's These commands are available for verifying the functionality of port LEDs of the device, which are currently not working as expected.
<b>Workaround</b>	NA
<b>Recovery</b>	A reboot/reload of device might be need to bring the device to normal state
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-290738
<b>Symptom</b>	SSHD process status is shown as recovery failed on "show hmon client status" output, even though sshd process is running.
<b>Condition</b>	It occurs occasionally on reload of the system
<b>Workaround</b>	NA
<b>Recovery</b>	disable and reenale ssh
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293804
<b>Symptom</b>	An error is seen in RUCKUS One when trying to modify the untagged membership of a port in some scenarios.
<b>Condition</b>	Moving an untagged port from a non-default vlan to another non-default vlan.
<b>Workaround</b>	configure from CLI
<b>Recovery</b>	No recovery
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293673
<b>Symptom</b>	Image upgrade failure when initiated from RUCKUS One
<b>Condition</b>	When image upgrade is triggered from RUCKUS One
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10d

Issue	FI-293648
Symptom	With mixed weighted round robin and strict priority scheduling mechanism, when there is oversubscription on an egress interface, an egress queue configured with 25% of bandwidth actually gets only 20% when calculated based on the egress queue counters.
Condition	With mixed weighted round robin and strict priority scheduling mechanism configured and oversubscription on an egress interface.
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-293646
Symptom	On 7150-ES, with the strict priority scheduling mechanism, with 100% oversubscription on an egress interface, some packet loss is observed on higher priority queues 4 and 5 also (~6% and ~2% of the loss seen are on these queues respectively)
Condition	7150-ES with strict priority scheduling mechanism configured and oversubscription on an egress interface.
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-293627
Symptom	On 7150-ES, with flow-control honor-only mode configuration and oversubscription on an interface, packet loss (tail drop on egress queues) is expected as flow control is honor-only. But, no packet loss was observed.
Condition	7150-ES with flow-control honor-only mode configuration and oversubscription on an egress interface.
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-293616
Symptom	'#' character will not be displayed in the configuration
Condition	Configurations like username, dhcp server pool configured with # will not reflect in the running configuration. Pre-existing issue.
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	



<b>Issue</b>	FI-293608
<b>Symptom</b>	After SNMP set operation, the response handler was not called
<b>Condition</b>	After SNMP set operation, the response handler was not called
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293541
<b>Symptom</b>	On 7150 or 7150-ES, During bootup if mounting the UBI file system fails due to FS corruption or non-correctable ECC errors then the device will fail to bootup due to unavailability of packages and UFI images which is stored in flash memory.
<b>Condition</b>	On 7150 or 7150-ES, During bootup if mounting the UBI file system fails due to FS corruption or non-correctable ECC errors then the device will fail to bootup due to unavailability of packages and UFI images which is stored in flash memory.
<b>Workaround</b>	No Workaround.
<b>Recovery</b>	To recover the device user has to load latest 8095 firmware from boot mode. Then user can upgrade to 10010d firmware using the copy tftp ... CLI's etc., after booting up the 7150 device with 8095 firmware.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293513
<b>Symptom</b>	DHCP client tries to download the image and reloads continuously.
<b>Condition</b>	DHCP server advertise the bootfile-name through option 67 to DHCP clients.
<b>Workaround</b>	After the client download the image and went for reload, stop advertising bootfile-name option from DHCP server.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293454
<b>Symptom</b>	On 8200 stack, "show pstat dump" output for non-active units after a "pstat start" show some discrepancies in some of the counters.
<b>Condition</b>	"show pstat dump" for non-active units after "pstat start" on 8200 stack
<b>Workaround</b>	No functional impact. "show pstat dump" can provide information for active unit. only affects debugging packets flow into CPU on non-active units. It is possible to still check the counters by getting into the console of respective unit through rconsole.
<b>Recovery</b>	No functional impact. "show pstat dump" can provide information for active unit. only affects debugging packets flow into CPU on non-active units.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10d

<b>Issue</b>	FI-293432
<b>Symptom</b>	Modified lease time value will not be updated in ICX switch acting as a DHCP Client.
<b>Condition</b>	Disabling and Enabling DHCP client in the ICX switch.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293362
<b>Symptom</b>	IP address details missing in cli-command history
<b>Condition</b>	On execution of "show cli-command history"
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293206
<b>Symptom</b>	On 8200, with ip access-list sequence configuration for dscp-matching and dscp-marking to do DSCP remarking for packets with specific DSCP value, the corresponding traffic is using queue 0 on the egress instead of using the queue/priority mapped to either the ingress DSCP value or the remarked DSCP value.
<b>Condition</b>	8200 with ip access-list sequence configuration for dscp-matching and dscp-marking to do DSCP remarking for packets with specific DSCP value.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-293110
<b>Symptom</b>	Single rstp convergence issue in Minion platform due to high CPU seen rarely in called scenarios.
<b>Condition</b>	Configuring Single RSTP in device with 60+ vlans
<b>Workaround</b>	No workaround.
<b>Recovery</b>	Device will recover in few minutes,
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-292859
<b>Symptom</b>	The log "Field syslog_trap Not found" will be observed for few seconds immediately after bootup.
<b>Condition</b>	Reboot after erase startup-config.
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-292837
<b>Symptom</b>	Configuring "ip multicast flood-unregistered" can cause device to restart.
<b>Condition</b>	Configuring "ip multicast flood-unregistered" can cause device to restart.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-292774
<b>Symptom</b>	Unable to configure default route added fir default-gateway after device is upgraded from switch image to single image.
<b>Condition</b>	Unable to configure default route added fir default-gateway after device is upgraded from switch image to single image.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-292082
<b>Symptom</b>	On 8200, with user-defined egress buffer profile configured on an egress interface and oversubscription on that interface, packet drops (tail drops) observed on egress queues with higher buffer percentages configured are at the same levels as an egress queue with less buffer percentage configured.
<b>Condition</b>	8200 with user-defined egress buffer profile configured on an interface and oversubscription on that interface.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10d

<b>Issue</b>	FI-291268
<b>Symptom</b>	SupportSave Collection Failed Via Management VRF
<b>Condition</b>	Execution of supportsave commands
<b>Workaround</b>	usage of management Ip instead of VRF
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-290918
<b>Symptom</b>	Few InErrors or CRC issue on stacking ports and/or uplink ports with 25GBASE-Passive 5m (SFP28) Direct Attach Cable (DAC)/Twinax cables on ICX8200 units
<b>Condition</b>	When 25GBASE-Passive 5m (SFP28) Direct Attach Cable (DAC)/Twinax cables are used in the stacking and/or uplink ports of ICX8200 units, CRC/In-errors may be seen
<b>Workaround</b>	None
<b>Recovery</b>	Few inErrors over the week (0.01%) This will not should not affect the customer traffic as the packet gets re-transmitted
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-290221
<b>Symptom</b>	Module 2 port in ICX-7550 remains down in when 100G QSFP28 module is present in the port and configured as forced 40G full speed; later speed reverted to speed-optics.
<b>Condition</b>	When configured as forced 40G full speed when 100G QSFP28 module is present in the port and later speed reverted to speed-optics.
<b>Workaround</b>	No workaround.
<b>Recovery</b>	Reload unit or plug-out and then plug-in QSFP optics in affected port.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-289636
<b>Symptom</b>	On 7850, with priority-flow-control enabled, after a priority to priority-group mapping change, with oversubscription, priority flow control packets are not transmitted as per the interface statistics. However, no packet drops are observed on the oversubscribed egress interface.
<b>Condition</b>	7850 with priority-flow-control enabled, priority to priority-group mapping changed.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-282927
<b>Symptom</b>	Snmpget/snmpwalk on ruckusWiredClientsTable is not showing ruckusWiredClientV4Addr and ruckusWiredClientV6Addr.
<b>Condition</b>	Snmpget/snmpwalk on ruckusWiredClientsTable is not showing ruckusWiredClientV4Addr and ruckusWiredClientV6Addr.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 10.0.20
<b>Technology / Technology Group</b>	



# Known Issues in FastIron Release 10.0.10c\_cd3

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<b>Issue</b>	FI-291204
<b>Symptom</b>	RUCKUS One Image Upgrade failed on ICX 7850 stack setup occasionally.
<b>Condition</b>	RUCKUS One image upgrade failed if connection to the external server has network issues.
<b>Workaround</b>	1. Image download using "copy https/scp/tftp flash" command 2. Retry image upgrade from RUCKUS One by disconnecting and reconnecting to trigger image upgrade with "manager disable" and "no manager disable"
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-291079
<b>Symptom</b>	sometimes premature mac aging is observed in member units
<b>Condition</b>	non-default Mac aging time set in the device and traffic should be stopped
<b>Workaround</b>	No Recovery
<b>Recovery</b>	Reloading the device will recover from the issue.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-291039
<b>Symptom</b>	DHCP discover and DHCP request packets are duplicated.
<b>Condition</b>	Duplication is seen when ICX is working as L2 forwarding agent between DHCP client and DHCP server and IP helper address is configured on different VLAN with Client Visibility feature enabled.
<b>Workaround</b>	Disable Client Visibility. CLI command : no ip dhcp-client information enable
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10c\_cd3

<b>Issue</b>	FI-290679
<b>Symptom</b>	Sometime Rapid MAC movement Syslogs are seen incorrectly.
<b>Condition</b>	When multicast fast-convergence is configured on a VLAN, Rapid MAC Movement syslogs are seen incorrectly for that VLAN.
<b>Workaround</b>	No Workaround,
<b>Recovery</b>	No Recovery.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



# Known Issues in FastIron Release 10.0.10c

Issue	FI-282010
Symptom	core collection message reported after the reboot or failover of the unit
Condition	Under rare conditions, ICX switches could see core collection while rebooting the unit
Workaround	No workaround
Recovery	No recovery is required.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-286658
Symptom	ISSU operation on an ICX switch may fail, if the CPU usage is high at the time of initiating the operation.
Condition	ISSU operation on an ICX switch may fail, if the CPU usage is high at the time of initiating the operation.
Workaround	Before initiating ISSU check if the CPU usage is below 20%. if not do a regular image upgrade instead of ISSU
Recovery	Perform a regular image upgrade instead of ISSU
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-285311
Symptom	On 12-unit ICX 8200 stack with scaled configuration and managed by RUCKUS One, occasional 99% CPU usage for a few minutes.
Condition	12-unit ICX 8200 stacks with scaled configurations (>16K MAC, 172 RSTP sessions, 400 VLANs...etc.)
Workaround	
Recovery	automatically recovers after a few minutes (1-2 minutes or 15-20 minutes in some cases)
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

Issue	FI-274312
Symptom	When high rate of LLDP BPDU packets are received by ICX8200, high CPU may be seen
Condition	Intentionally sending a high rate of LLDP BPDU packets to switch from the traffic generator
Workaround	None
Recovery	When the traffic returns to normalcy, CPU usage will be restored
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - LLDP - Link Layer Discovery Protocol

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-286644
<b>Symptom</b>	User could see a core collection followed by a reboot with no specific triggers
<b>Condition</b>	Under rare conditions, ICX switches could see core collection with a wrong memory access with no specific triggers
<b>Workaround</b>	None
<b>Recovery</b>	system would automatically reboot after collecting core file to recover without user intervention
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-282756
<b>Symptom</b>	Reboot the ICX device. While ICX device undergoes boot up process from maintenance port we will observe the message 'INIT: PID [id si6] come to hang'
<b>Condition</b>	ICX device configured with 500 or more VE interfaces configured and reload ICX device
<b>Workaround</b>	None
<b>Recovery</b>	ICX device will come online after completing the boot up initialization
<b>Probability</b>	
<b>Found In</b>	FI 10.0.20
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-285098
<b>Symptom</b>	After reload in MCT scaled stack setup, multicast traffic recovery takes more time.
<b>Condition</b>	After reload in MCT scaled stack setup, multicast traffic recovery takes more time.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-271368
<b>Symptom</b>	with multicast traffic running new active unit also goes for reload after the old active went down.
<b>Condition</b>	with multicast traffic running new active unit also goes for reload after the old active went down.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-285200
<b>Symptom</b>	hal_mc_rep_add_egress_port debug log get printed during boot up
<b>Condition</b>	hal_mc_rep_add_egress_port debug log get printed during boot up
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-282124
<b>Symptom</b>	DNS: Failed to initialize dns request when trying to ping to host or trying to establish connection to RUCKUS One
<b>Condition</b>	DNS: Failed to initialize dns request when trying to ping to host or trying to establish connection to RUCKUS One
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - Web Management

<b>Issue</b>	FI-280073
<b>Symptom</b>	VRRP/VRRP-E priority is not changing when port configured as VRRP track port is down
<b>Condition</b>	VRRP/VRRP-E priority is not changing when port configured as VRRP track port is down
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-280084
<b>Symptom</b>	VRRP reelection is happening late once tracker port is down/up
<b>Condition</b>	VRRP reelection is happening late once tracker port is down/up
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-280084
<b>Symptom</b>	VRRP reelection is happening late once tracker port is down/up
<b>Condition</b>	VRRP reelection is happening late once tracker port is down/up
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-286145
<b>Symptom</b>	dhcp-client is not getting ip address when its behind device acting as relay for the client and also server for different clients in other vlan
<b>Condition</b>	dhcp-client is not getting ip address when its behind device acting as relay for the client and also server for different clients in other vlan
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284815
<b>Symptom</b>	File not loaded, expired certificate file syslog is seen when enabling bsi cloud
<b>Condition</b>	File not loaded, expired certificate file syslog is seen when enabling bsi cloud
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284470
<b>Symptom</b>	OSPF is stuck in EXCH state.
<b>Condition</b>	OSPF is stuck in EXCH state.
<b>Workaround</b>	None
<b>Recovery</b>	Enter CLI command "clear ip ospf neighbor <neighbor_ip>" to recover.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-276159
<b>Symptom</b>	Performing configurations on MVLANs
<b>Condition</b>	Executing configurations, such as associating a port with 1000 VLANs using Multi-VLAN (MVLAN) mode, currently takes over 15 seconds to complete.
<b>Workaround</b>	
<b>Recovery</b>	perform the configuration in smaller segments - consider tagging 100 VLANs at a time instead of 1000.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-280623
<b>Symptom</b>	When restconf is enabled and deleting multiple VLANs at once using MVLAN command(around 1k+), there might be a high CPU observed for multiple processes for around 1-5 minutes.
<b>Condition</b>	If a user attempts to delete more than 1k+ vlans using a single MVLAN command when Restconf is enabled.
<b>Workaround</b>	If user needs to delete scaled number of VLANs in one shot, it is recommended the user deletes 100 VLANs at a time.
<b>Recovery</b>	Wait for 4-5 minutes, the system will recover.
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-281239
<b>Symptom</b>	Show Lag output is empty, observed rarely
<b>Condition</b>	Lag should be configured in the device.
<b>Workaround</b>	Rerun the show lag command, will display the output
<b>Recovery</b>	Rerun the show lag command, will display the output
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284328
<b>Symptom</b>	loops or network disruptions.
<b>Condition</b>	Occurs when BPDU Guard or Root Protect are enabled on stack ports through RUCKUS One.
<b>Workaround</b>	Disable BPDU Guard or Root Protect on stack ports.
<b>Recovery</b>	Disable BPDU Guard or Root Protect on stack ports. Device will auto-recover
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-280563
<b>Symptom</b>	Show loop-detection status cli gives the incorrect status of the port
<b>Condition</b>	Configuring loop detection on a port. when the port is not tagged to any VLAN
<b>Workaround</b>	No Workaround
<b>Recovery</b>	There is no Recovery, No functionality issue, only a display issue.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.20
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-286646
<b>Symptom</b>	Crash in the device
<b>Condition</b>	No Conditions.
<b>Workaround</b>	No Workaround
<b>Recovery</b>	The device will auto-recover once reloaded.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-283663
<b>Symptom</b>	CPU usage will be seen around 50 to 70% in the scaled system while running SNMP walk on the device
<b>Condition</b>	Scaled device with ~70k+ Mac entries and running snmp walk on the fdb table.
<b>Workaround</b>	No Workaround
<b>Recovery</b>	The device will auto-recover once the SNMP walk is completed.
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-280887
<b>Symptom</b>	ICX stuck in Synchronization/Operational state with RUCKUS One displaying no or stale data in UI
<b>Condition</b>	ICX connected to RUCKUS One is reloaded or switched over to standby in stacking environment. 12 unit ICX stack with scaled configuration and frequent port flaps or MAC learning.
<b>Workaround</b>	wait until configuration synchronization is completed and Network is stable.
<b>Recovery</b>	Manager disable no Manager disable
<b>Probability</b>	Low
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Cloud Management - Cloud Agent

<b>Issue</b>	FI-284923
<b>Symptom</b>	SSH IPV6 session establishment will fail when connected using hostname
<b>Condition</b>	When establishing IPV6 Session using hostname
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	Medium
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - SSH2 and SCP - Secure Shell and Copy

<b>Issue</b>	FI-281203
<b>Symptom</b>	User will not be able to login to ICX device
<b>Condition</b>	TACACS+ and RADIUS server not configured Default fallback mechanism changed to either of below configuration aaa authentication login radius tacacs+ local aaa authentication login radius local tacacs+ aaa authentication login tacacs+ radius local aaa authentication login tacacs+ local radius
<b>Workaround</b>	Remove the authentication mechanism for which the server configuration is not added
<b>Recovery</b>	Configure RADIUS and TACACS+ server
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-286260
<b>Symptom</b>	User might not be displayed the details of CLI command "show flash"
<b>Condition</b>	After reboot the first "show flash" output will not be displayed to the user.
<b>Workaround</b>	
<b>Recovery</b>	Subsequent execution of the command will generate proper response
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - System

<b>Issue</b>	FI-286129
<b>Symptom</b>	Configured lease-count value will not be same after reloading ICX switch.
<b>Condition</b>	Configure DHCP address pool with multiple exclude-address or static-mac-ip-mapping and then do reload.
<b>Workaround</b>	Reconfigure the lease count value after reload.
<b>Recovery</b>	Reconfigure the lease count value after reload.
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - DHCP (IPv4)

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-277445
<b>Symptom</b>	Smart Zone connectivity with ICX disconnects and reconnects
<b>Condition</b>	When communication between Smart Zone and ICX is disturbed
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-271236
<b>Symptom</b>	DHCPv6 server failed to renew IP address for 500 DHCPv6 client.
<b>Condition</b>	1. Create 100 ve with IPv4 and IPv6 addresses and mapped to 100 DHCPv4 pools and DHCPv6 pools each. 2. Create 3000 DHCPv4 and 500 DHCPv6 clients on STC and start all devices. 3. Check all 500 clients are in active state. 4. renew all 500 clients IP address. 5. All IP address renewed successfully 6. reload the device. 7. Check all 500 Clients are in active state. 8. renew all 500 clients IP address.
<b>Workaround</b>	Configure the DHCPv6 clients gradually
<b>Recovery</b>	Remove and add the clients again
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - DHCP (IPv6)

<b>Issue</b>	FI-276689
<b>Symptom</b>	CLI Session gets disconnected unexpectedly.
<b>Condition</b>	Issue seen randomly when a continuous login and logout is done from TELNET/SSH Sessions
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-277796
<b>Symptom</b>	The existing DHCP lease entries persist in the dhcpdv4.leases file, even when DHCP clients have been inactive for more than one hour.
<b>Condition</b>	DHCP server is enabled, and the DHCP client becomes inactive.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



<b>Issue</b>	FI-285689
<b>Symptom</b>	SmartZone or RUCKUS One sessions disconnect and reconnect
<b>Condition</b>	When SmartZone or RUCKUS One processing continuous events
<b>Workaround</b>	None
<b>Recovery</b>	
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Cloud Management - Cloud Agent

<b>Issue</b>	FI-285812
<b>Symptom</b>	Constant increase in RES memory for syslog task
<b>Condition</b>	When several applications raise syslogs over a period of time.
<b>Workaround</b>	This increase will stop after a while
<b>Recovery</b>	
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Monitoring - Syslog

<b>Issue</b>	FI-277479
<b>Symptom</b>	User will not be able to edit configured DHCP server pools
<b>Condition</b>	Once the number of DHCP server pool configuration reaches 100, user will not be able to edit already configured DHCP server pools
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-285967
<b>Symptom</b>	Configuration CLI commands may fail in SSH/TELNET/CONSOLE
<b>Condition</b>	Continuous enable and disable of management protocols like DHCP client/server, manager, SNMP, restconf, web, streaming
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-285973
<b>Symptom</b>	Device becomes inaccessible from Console/TELNET/SSH after the following message is seen: "sim_softwatchdog thread is detached on core=0"
<b>Condition</b>	Seen when the device is subjected to stress conditions for a duration or at least 3 days.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-275543
<b>Symptom</b>	Configuration CLI commands may fail in SSH/TELNET/CONSOLE
<b>Condition</b>	Continuous enable and disable of management protocols like DHCP client/server, manager, SNMP, restconf, web, streaming
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-284214
<b>Symptom</b>	RESTCONF related POST, PUT and GET may fail
<b>Condition</b>	It may happen during config update to RESTCONF Database
<b>Workaround</b>	NA
<b>Recovery</b>	RestConf enable Config Sync command can be executed
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management

<b>Issue</b>	FI-286062
<b>Symptom</b>	User might not be able to delete SSH known host keys using hostname when another SSH session is already established using hostname
<b>Condition</b>	SSH session is already established using hostname and user tries to delete the known host key
<b>Workaround</b>	Known host keys can be deleted using IP address
<b>Recovery</b>	Delete the SSH known host keys using hostname once the SSH session has been disconnected.
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - SSH2 and SCP - Secure Shell and Copy

<b>Issue</b>	FI-285439
<b>Symptom</b>	Increase in memory
<b>Condition</b>	Customer running burpsuite
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284148
<b>Symptom</b>	Increase in RES memory of snmpagentd task from time to time
<b>Condition</b>	When SNMP or related applications are used exhaustively on a loaded setup spanning different or entire applications available in the device.
<b>Workaround</b>	
<b>Recovery</b>	Restart SNMP Server. By executing "no snmp-server" followed by "snmp-server"
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.20
<b>Technology / Technology Group</b>	Management - SNMP - Simple Network Management Protocol

<b>Issue</b>	FI-283555
<b>Symptom</b>	Not able to verify DHCP Generic options 3 and 12 by capturing the packets in DHCP client device.
<b>Condition</b>	DHCP Generic options verification will fail when the client is connected to the dhcp server via a relay.
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - DHCP (IPv4)

<b>Issue</b>	FI-274524
<b>Symptom</b>	Memory increase seen in rmonagentd process in the below command "show cpu-utilization tasks"
<b>Condition</b>	When device is connected to RUCKUS One and monitored from AUVIK tool
<b>Workaround</b>	No
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Monitoring - RMON - Remote Network Monitoring

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-283444
<b>Symptom</b>	Hostname is displayed in the logging output of DHCPACK message
<b>Condition</b>	while execution of show logging
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284293
<b>Symptom</b>	Python Code injection Vulnerability seen
<b>Condition</b>	While running Burp suite test
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - Web Management

<b>Issue</b>	FI-284291
<b>Symptom</b>	SQL injection Vulnerability observed
<b>Condition</b>	While running Burp suite
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - Web Management

<b>Issue</b>	FI-281552
<b>Symptom</b>	copy tftp command and supportsave with TFTP option might fail.
<b>Condition</b>	This failure can happen when the device is enabled with INBAND management.
<b>Workaround</b>	Use SCP.
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-280935
<b>Symptom</b>	" Config Parsing Failed " error is seen when trying to copy tftp running-config.
<b>Condition</b>	ICX running-config is applied, with the value "manager port-list 987" in the config file.
<b>Workaround</b>	delete port-list 987 "no manager port-list 987"
<b>Recovery</b>	no manager port-list 987 before copy tftp
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - Configuration Fundamentals

<b>Issue</b>	FI-282531
<b>Symptom</b>	CLI commands throw unexpected error : "CLI request sent to hmon, aborting due to delayed response"
<b>Condition</b>	Important processes like RMON, SOCAT are not running.
<b>Workaround</b>	Not Available
<b>Recovery</b>	Reload of the device
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273671
<b>Symptom</b>	snmp-server view exclude functionality is not working
<b>Condition</b>	snmp-server view is deleted and added again
<b>Workaround</b>	Delete all the snmp views configured. Don't configure view with same name and exclude/ include options.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - SNMP - Simple Network Management Protocol

<b>Issue</b>	FI-276069
<b>Symptom</b>	100M Link comes UP after inserting 100M M-FX-IR optic on ICX8200-48F device without any cable connection
<b>Condition</b>	100M M-FX-IR optic insertion on ICX8200-48F
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-286043
<b>Symptom</b>	Port remains up with 10G-USR optics, 10g-SR optics and 7m Active Optical cable on ICX-7550 units, when peer port disabled or peer device power-cycled.
<b>Condition</b>	When peer port disabled or peer device power-cycled.
<b>Workaround</b>	N/A
<b>Recovery</b>	N/A
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-284440
<b>Symptom</b>	Link Down/Flap issues can be with 1G M-LHA optic (SFP) across all ICX platforms This issue is not root caused yet, The issue is seen consistently.
<b>Condition</b>	Link Down/Flap issues can be with 1G M-LHA optic (SFP) across all ICX platforms, 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.
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-285842
<b>Symptom</b>	This issue (FI crash) is sometimes seen after powercycle of GZL/TNTO/MM setup. The FI crash is seen during BCM SDK Init. The setup will recover on own its after the crash. This issue is seen rarely/ only sometimes during the power cycle of the setup.
<b>Condition</b>	This issue (FI crash) is sometimes seen after powercycle of GZL/TNTO/MM setup. The FI crash is seen during BCM SDK Init. The setup will recover on own its after the crash. This issue is seen rarely/ only sometimes during the power cycle of the setup. The exact trigger for the issue is unknown. The issue is not seen consistently.
<b>Workaround</b>	The setup recovers on its own after the core file generation. Root cause for the issue.: sal_dpc_init function is not called before sal_dpc_cancel_and_disable. due to this we are not able to acquire the mutex lock and crash is seen. But why sal_dpc_init is not called is still not known.
<b>Recovery</b>	The setup will recover on its own after core generation. working with Broadcom for the fix.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

Issue	FI-283851
Symptom	10G port link goes down when configured with 1G or 2.5G speed in ICX 8200 series switch. The exact trigger for the issue is unknown. The issue is reproduced only once.
Condition	10G port link goes down when configured with 1G or 2.5G speed in ICX 8200 series switch. The exact trigger for the issue is unknown. The issue is reproduced only once.
Workaround	Reboot of the setup will recover the issue.
Recovery	Reboot of the setup will recover the issue.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-281057
Symptom	On a new ICX8200 device we will get below error logs on console when image is upgraded for the first time. "EXT4-fs error (device mmcblk0p1): ext4_mb_generate_buddy:757: group 1, block bitmap and bg descriptor inconsistent: 33 vs 0 free clusters" "EXT4-fs error (device mmcblk0p1): ext4_clear_blocks:849: inode #12: comm mv: attempt to clear invalid blocks 31834 len 1024"
Condition	On a new ICX8200 device we will get below error logs on console when image is upgraded for the first time. "EXT4-fs error (device mmcblk0p1): ext4_mb_generate_buddy:757: group 1, block bitmap and bg descriptor inconsistent: 33 vs 0 free clusters" "EXT4-fs error (device mmcblk0p1): ext4_clear_blocks:849: inode #12: comm mv: attempt to clear invalid blocks 31834 len 1024"
Workaround	No workaround
Recovery	Recovery not required.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-280819
Symptom	Setting 100M speed config on GBIC media on local and peer, link is Up with 1G on one side
Condition	Timing condition that occur on setting speed on both local and peer.
Workaround	
Recovery	Remove the speed setting and reapply.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-281134
Symptom	On ICX8200 and ICX7550, few continuous PoE ports would not power up the PDs and gets into overload condition.
Condition	PDs on few continuous ports would not get powered.
Workaround	No workaround available
Recovery	Power cycle the ICX to recover from the overload condition and hence the power to the PDs.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

## Known Issues in FastIron Release 10.0.10c

Issue	FI-285415
Symptom	Reboot reason error logs does not come on console if device initialization fails during bootup due to Hardware issues.
Condition	Reboot reason error logs does not come on console if device initialization fails during bootup due to Hardware issues.
Workaround	No workaround
Recovery	No Recovery if the device continuously goes for reboot due to hardware issue.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-285240
Symptom	The long range of 100G-LR and LR4 -10Km plug out and plugging condition. the link status coming up 8-10 Sec.
Condition	The Long range of 100G-LR and LR4 -10Km optic link delay indication take 8-10 Sec.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 09.0.10
Technology / Technology Group	

Issue	FI-280823
Symptom	Rx packets are not coming sometimes while changing the speed duplex on multiple interfaces.
Condition	Issue observed with Phy BCM54185
Workaround	No workaround
Recovery	reboot will recover the problem
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-286326
Symptom	-During PoE FW upgrade, the scheduling of reload is not happening. We should allow to schedule a reload of the setup. But once the time expires we need to check if the PoE firmware upgrade is in progress. If PoE FW upgrade is in progress we should not proceed with the reload of the setup.
Condition	-During PoE FW upgrade, the scheduling of reload is not happening. We should allow to schedule a reload of the setup. But once the time expires we need to check if the PoE firmware upgrade is in progress. If PoE FW upgrade is in progress we should not proceed with the reload of the setup.
Workaround	Not applicable
Recovery	Not applicable
Probability	
Found In	FI 10.0.10 FI 10.0.20
Technology / Technology Group	



<b>Issue</b>	FI-283655
<b>Symptom</b>	40% CPU seen when SNMP walk happens on IPSPG MIB
<b>Condition</b>	When SNMP Walk is triggered. The trigger can from CLI or SZ
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-286232
<b>Symptom</b>	The "show access-list tcam usage" cli will show incorrect values of Total Available TCAM. This is a display issue with the BCM api. No functional impact.
<b>Condition</b>	1. Bind MAC acl so that the L2 Ingress group is full 2. Unbind the MAC acl 3. Bind IPv4/IPv6 acl to the available scale 4. Unbind IPv4/IPv6 acl 5. Show acc tcam usage output will display incorrect Available TCAM
<b>Workaround</b>	Just a display issue, no workaround needed
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-279822
<b>Symptom</b>	DHCP requests are not forwarded after snooping, when VE also enabled on same VLAN
<b>Condition</b>	DHCP requests are not forwarded after snooping, when VE also enabled on same VLAN
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Security

<b>Issue</b>	FI-274181
<b>Symptom</b>	After reload or stack switchover/failover of ICX 8200, configuration sync between active and standby unit is delayed due to high CPU situation, and a switchover/failover during that time leads to loss of some configuration
<b>Condition</b>	8K or more MAC addresses, RSTP configured and BPDUs exchanged with neighbor switches on multiple VLANs, 8200-24FX or 8200-48F as active unit
<b>Workaround</b>	make units other than 8200-24FX or 8200-48F as active unit in stack
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - System

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-286095
<b>Symptom</b>	MACSEC session goes to Pending state
<b>Condition</b>	This issue is seen on a longevity test(seen after 2 days)
<b>Workaround</b>	No workaround
<b>Recovery</b>	Flap the interface
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-286228
<b>Symptom</b>	MACSEC session goes to Pending state
<b>Condition</b>	Seen once after a stack reload
<b>Workaround</b>	NA
<b>Recovery</b>	Flap the interface
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-262568
<b>Symptom</b>	syslog message is not displayed incase of wrong format of acl filters in Radius attributes Foundry-NAS-Ipv4-Filter-Rule or Foundry-NAS-Ipv6-Filter-Rule.
<b>Condition</b>	wrong format in Foundry-NAS-Ipv4-Filter-Rule or Foundry-NAS-Ipv6-Filter-Rule.
<b>Workaround</b>	No Workaround
<b>Recovery</b>	No Recovery
<b>Probability</b>	
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-285956
<b>Symptom</b>	Console response after approx 2 minutes
<b>Condition</b>	Clear DHCP IP Configure static DAI. Unconfig or config of IP Source Guard. This was seen once when running the script. Not seen when tried manually
<b>Workaround</b>	
<b>Recovery</b>	Wait for approx 2 minutes
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-286656
<b>Symptom</b>	We see configuration and show-commands for IPMB features (show ip source-guard", "ip dhcp snoop vlan 100" etc.) timing-out with below error message "133: Response is NULL".
<b>Condition</b>	We saw it once after upgrade from 8095 to 10010c. But not reproduced later.
<b>Workaround</b>	NIL
<b>Recovery</b>	NIL
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-262319
<b>Symptom</b>	Symptom: This is a feature requirement (simulation of MKA packet delay). QA wants this feature to be available in non-fips mode too. And also in nightly image.
<b>Condition</b>	Presently this feature is available only in fips-mode and only when compilation macro is enabled.
<b>Workaround</b>	Presently this feature is available only by enabling a macro in the code. QA can request for image with compilation macro enabled. Dev will create PR with macro enabled and then can pickup the image from the PR. The delay simulation CLI will be available and testing can be completed in fips-mode for the certification.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-281587
<b>Symptom</b>	The page displayed after successful authentication displays Ruckus Networks and not Ruckus Commscope.
<b>Condition</b>	Webauth Successful login
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-282234
<b>Symptom</b>	New feature support for ICX 8200 series switches (ICX-DOS statistics streaming to RUCKUS One)
<b>Condition</b>	Few scenarios are yet to be implemented.
<b>Workaround</b>	No workaround.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10c

Issue	FI-283254
Symptom	On rare occasion, the previous supportsave instance is not cancelled via 'supportsave cancel' command.
Condition	If the administrator likes to cancel the invocation of the previous instance of the supportsave collection, this situation may arise.
Workaround	Try supportsave cancel after a while. Note that the time to wait could vary.
Recovery	Try supportsave cancel after a while. Note that the time to wait could vary.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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.
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

Issue	FI-280322
Symptom	"show logging" command output will list all levels of logging messages, irrespective of the configured logging message level in syslog.
Condition	Disabling specific logging message level in syslog using a [no] format. E.g : "logging buffer info" and "no logging buffered info"
Workaround	Enabling the specific logging message level in syslog will disable it and vice-versa
Recovery	
Probability	
Found In	FI 09.0.10 FI 08.0.95
Technology / Technology Group	

Issue	FI-269080
Symptom	Port LED has flashing amber light.
Condition	When configure dynamic lag on port.
Workaround	
Recovery	
Probability	
Found In	FI 08.0.95
Technology / Technology Group	Other - Other

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

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

<b>Issue</b>	FI-269075
<b>Symptom</b>	Vrrp-e flap seen momentarily on MCT stack
<b>Condition</b>	Vrrp-e flap seen momentarily on MCT stack
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	Low
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Layer 3 - VRRP and VRRP-E (IPv4)

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

## Known Issues in FastIron Release 10.0.10c

<b>Issue</b>	FI-284496
<b>Symptom</b>	user can see 1Hr time difference in "show clock" and "show log" time stamps
<b>Condition</b>	Issue will be seen if system configured with Day Light Saving time zones and the current time is not in Day Light Saving time.
<b>Workaround</b>	No workaround
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-254775
<b>Symptom</b>	Force-up port might transition to blocking state when LACP is configured and expires.
<b>Condition</b>	During LACP expiry of the LAG on which the force-up port is part of, the port transitions to blocking state.
<b>Workaround</b>	None
<b>Recovery</b>	Disable and enable the force-up port.
<b>Probability</b>	Low
<b>Found In</b>	FI 09.0.10 FI 08.0.95
<b>Technology / Technology Group</b>	Layer 2 - Link Aggregation

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

<b>Issue</b>	FI-272399
<b>Symptom</b>	Steady Amber light seen on ports 1-12.
<b>Condition</b>	Increase in inerrors on the ports.
<b>Workaround</b>	Clear the stats for the ports
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 08.0.95
<b>Technology / Technology Group</b>	

# Known Issues in FastIron Release 10.0.10b

Issue	FI-282517
Symptom	PoE PDs might not get powered on some occasions.
Condition	1. Newly connected PDs might not get powered. 2. After switch is reloaded, some of the PDs might not get powered. 3. After re-enabling ports with "inline power" some of the PDs might not get powered.
Workaround	Disable and re-enable with "inline power" on the affected ports.
Recovery	No auto recovery
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-282427
Symptom	Link between Spirent Test Center (STC) - 100G - 5meter breakout and 25G ports of ICX 8200 may not come up on certain ports (100G - 4X25G 5meter only)
Condition	Link between Spirent Test Center (STC) - 100G - 5meter breakout and 25G ports of ICX 8200 may not come up on certain ports (100G - 4X25G 5meter only)
Workaround	Disable and Enable the port may help
Recovery	Disable and Enable the port may help
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-282413
Symptom	High CPU during bootup after reload of ICX 8200 stack
Condition	In a stack of ICX 8200 switches with high scaled configuration, the system may remain in high CPU usage for upto 30 minutes after reload of the unit.
Workaround	
Recovery	The system would recover on its own after few minutes.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

## Known Issues in FastIron Release 10.0.10b

Issue	FI-282208
Symptom	When 100FX optic is connected to a port in ICX7550 and 100-fx is configured through CLI on ICX7550 side, Link status is displayed as " UP with 100M" even though the peer end is not configured with "100-fx" and link status is shown as "Down" in the peer device.
Condition	
Workaround	In this case "no 100-fx" is to be configured on the port where issue is seen on ICX7550.
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-282136
Symptom	ICX 8200 showing high CPU usage for few minutes and syslog indicating of SCP Queue reaching high water mark
Condition	An ICX 8200 stack, with high number of MAC addition/deletion events happening within short period of time can cause momentary high CPU
Workaround	
Recovery	Automatically recovers from that state after few minutes
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

Issue	FI-282124
Symptom	DNS: Failed to initialize dns request when trying to ping to host or trying to establish connection to RUCKUS One
Condition	DNS: Failed to initialize dns request when trying to ping to host or trying to establish connection to RUCKUS One
Workaround	None
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - Web Management

Issue	FI-282080
Symptom	"Mem allocates called with size == 0" message is seen during boot up.
Condition	ICX is connected to RUCKUS One or SmartZone with higher VLANs(1500 or 2000)
Workaround	Configure number of VLANs 1000 or less.
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol



<b>Issue</b>	FI-282010
<b>Symptom</b>	core collection message reported after the reboot or failover of the unit
<b>Condition</b>	Under rare conditions, ICX switches could see core collection while rebooting the unit
<b>Workaround</b>	No workaround
<b>Recovery</b>	No recovery is required.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-281864
<b>Symptom</b>	The ssh or telnet session of ICX 8200 getting closed abruptly
<b>Condition</b>	Under rare conditions, while supportsave is initiated in ICX 8200, the ssh or telnet session may get closed abruptly
<b>Workaround</b>	No
<b>Recovery</b>	The session can be started by user again.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-281797
<b>Symptom</b>	CLI session resets unexpectedly.
<b>Condition</b>	The Device connected to RUCKUS One and auwik tool was running.
<b>Workaround</b>	No
<b>Recovery</b>	CLI process auto restarts. Start another CLI session.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-281572
<b>Symptom</b>	In the DHCP server, static Mac IP configuration is preventing other clients from receiving IP.
<b>Condition</b>	on configuration of static-mac-ip-mapping.
<b>Workaround</b>	Remove the static-mac-ip-mapping configuration.
<b>Recovery</b>	No
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - DHCP (IPv6)

## Known Issues in FastIron Release 10.0.10b

<b>Issue</b>	FI-281136
<b>Symptom</b>	Link not coming up on one of fiber port on reloading ICX8200 platform
<b>Condition</b>	on reload
<b>Workaround</b>	None
<b>Recovery</b>	Reload ICX8200 device once again
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-281134
<b>Symptom</b>	On ICX8200 and ICX7550, few continuous PoE ports would not power up the PDs and gets into overload condition.
<b>Condition</b>	PDs on few continuous ports would not get powered.
<b>Workaround</b>	No workaround available
<b>Recovery</b>	Power cycle the ICX to recover from the overload condition and hence the power to the PDs.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-281125
<b>Symptom</b>	UniFi_UAP-AC-HD Wi-Fi access point would not get powered on ICX8200 and ICX7550
<b>Condition</b>	UniFi_UAP-AC-HD Wi-Fi access point not getting powered.
<b>Workaround</b>	No workaround
<b>Recovery</b>	no recovery.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Other - Other

<b>Issue</b>	FI-281123
<b>Symptom</b>	CLI session reset unexpectedly.
<b>Condition</b>	ICX is being accessed from more than 50 SSH sessions and the same MAC address is used from multiple interfaces.
<b>Workaround</b>	no
<b>Recovery</b>	CLI task auto recovers. Therefore, a new CLI session can be used.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - SSH2 and SCP - Secure Shell and Copy

<b>Issue</b>	FI-281075
<b>Symptom</b>	High CPU is observed on the ICX
<b>Condition</b>	On paged mode display, if user doesn't provide any option while CLI is expecting an input from the user.
<b>Workaround</b>	Once the paged display prompts options for continue or quit, provide the necessary input to continue.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - CLI

<b>Issue</b>	FI-280478
<b>Symptom</b>	CPU usage is high (20-80%) on ICX 7550 for few minutes after reload of stack
<b>Condition</b>	Chances are high when more number of units present in stack. Observed in 12 unit stack
<b>Workaround</b>	disable RESTCONF
<b>Recovery</b>	Automatically recovers from that state after some time
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management

<b>Issue</b>	FI-280544
<b>Symptom</b>	IP address is displayed twice for "manager active-list" in running configuration.
<b>Condition</b>	The device is configured with same IP addresses twice in single "manage active-list"
<b>Workaround</b>	NO
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-280073
<b>Symptom</b>	VRRP/VRRP-E priority is not changing when port configured as VRRP track port is down
<b>Condition</b>	VRRP/VRRP-E priority is not changing when port configured as VRRPtrack port is down
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10b

<b>Issue</b>	FI-279822
<b>Symptom</b>	DHCP requests are not forwarded after snooping, when VE also enabled on same VLAN
<b>Condition</b>	DHCP requests are not forwarded after snooping, when VE also enabled on same VLAN
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Security

<b>Issue</b>	FI-279766
<b>Symptom</b>	Unable to start SSH/TELNET sessions.
<b>Condition</b>	Automated tool like AUVIK is running and causing abrupt closure of CLI sessions.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10 FI 10.0.00
<b>Technology / Technology Group</b>	Management - SSH2 and SCP - Secure Shell and Copy

<b>Issue</b>	FI-279003
<b>Symptom</b>	In a stack of ICS 8200 RSTP takes long time to converge resulting in continuous MAC moves and high CPU, mainly seen after reload, LAG flaps and clear mac
<b>Condition</b>	In a stack of ICS 8200 RSTP takes long time to converge resulting in continuous MAC moves and high CPU, mainly seen after reload, LAG flaps and clear mac
<b>Workaround</b>	
<b>Recovery</b>	The system might recover on its own after few minutes.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - System

<b>Issue</b>	FI-276941
<b>Symptom</b>	Unable to delete DNS server IP addresses from RUCKUS One.
<b>Condition</b>	When DNS server IP addresses are configured through CLI without any connection with RUCKUS One and then connecting post the configuration.
<b>Workaround</b>	Delete through CLI
<b>Recovery</b>	Delete through on-demand cli configuration from RUCKUS One
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-276654
<b>Symptom</b>	ICX switches are seen offline in SZ.
<b>Condition</b>	ICX stuck in a connected state with SmartZone.
<b>Workaround</b>	
<b>Recovery</b>	Manager disable no Manager disable
<b>Probability</b>	
<b>Found In</b>	FI 10.0.00
<b>Technology / Technology Group</b>	Management - Management GUI

<b>Issue</b>	FI-276159
<b>Symptom</b>	Performing configurations on MVLANs
<b>Condition</b>	Executing configurations, such as associating a port with 1000 VLANs using Multi-VLAN (MVLAN) mode, currently takes over 15 seconds to complete.
<b>Workaround</b>	
<b>Recovery</b>	perform the configuration in smaller segments - consider tagging 100 VLANs at a time instead of 1000.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-275463
<b>Symptom</b>	RUCKUS One or SmartZone connected to ICX but no data is displayed in UI
<b>Condition</b>	ICX stack connected to RUCKUS One or SmartZone, perform stack switchover.
<b>Workaround</b>	switchover to previous active
<b>Recovery</b>	Reload the device
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Cloud Management - Cloud Agent

<b>Issue</b>	FI-274181
<b>Symptom</b>	After reload or stack switchover/failover of ICX 8200, configuration sync between active and standby unit is delayed due to high CPU situation, and a switchover/failover during that time leads to loss of some configuration
<b>Condition</b>	8K or more MAC addresses, RSTP configured and BPDUs exchanged with neighbor switches on multiple VLANs, 8200-24FX or 8200-48F as active unit
<b>Workaround</b>	make units other than 8200-24FX or 8200-48F as active unit in stack
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - System

## Known Issues in FastIron Release 10.0.10b

<b>Issue</b>	FI-273439
<b>Symptom</b>	On ICX 7650/7850 device access via SSH/Telnet may be affected.
<b>Condition</b>	ICX 7650/7850 device access via SSH/Telnet may be affected if the file system on the unit is inconsistent.
<b>Workaround</b>	No Workaround
<b>Recovery</b>	Reloading the device could recover the file system issues by doing a file system check.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-269200
<b>Symptom</b>	User could see a core collection followed by a reboot with no specific triggers
<b>Condition</b>	Under rare conditions, ICX switches could see core collection with a wrong memory access with no specific triggers
<b>Workaround</b>	No workaround
<b>Recovery</b>	system would automatically reboot after collecting core file to recover without user intervention
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

# Known Issues in FastIron Release 10.0.10a

Issue	FI-276826
Symptom	ICX will not connect to SmartZone/Ruckus One when unreachable IP is the first in the sz active-list
Condition	When active-list for SmartZone/Ruckus One connection is updated with 8 or more SmartZone IP addresses.
Workaround	Configure reachable ip address in active-list for SmartZone/Ruckus One or keep the ip address count in the active-list as 4
Recovery	
Probability	
Found In	FI 10.0.00
Technology / Technology Group	

Issue	FI-276741
Symptom	Disconnection of ICX device to Ruckus One
Condition	ICX device connected to Ruckus One and switchover
Workaround	None
Recovery	switchover to older active or reconfigure the manager configuration
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-276546
Symptom	Crash is removed when same network ip is removed from virtual interface and configured on loopback interface in quick succession.
Condition	Crash is removed when same network ip is removed from virtual interface and configured on loopback interface in quick succession.
Workaround	Adding few seconds of delay between the configs will prevent the crash.
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

## Known Issues in FastIron Release 10.0.10a

Issue	FI-274395
Symptom	The contact and location in "show snmp-server" commands is not displayed correctly, as the user configured
Condition	When snmp-server contact and location in configured with spaces in between string and upgrade from FI 08.0.95 to FI 09.0.10 or further releases
Workaround	None
Recovery	Reconfigure snmp-server contact and location after upgrade without spaces
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Management - SNMP - Simple Network Management Protocol

Issue	FI-276463
Symptom	RUCKUS One UI show less ports, when more than 600 VLANs are configured in ICX 8200
Condition	ICX connected with RUCKUS One and ICX is configured with more than 600 VLANs and more than 50 ports tagged in each VLAN or 2k MAC traffic is stream over 36 VLANs
Workaround	
Recovery	Reduce the number of VLANs configured on the device
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Cloud Management - Cloud Agent

Issue	FI-273774
Symptom	Consistent increase in memory usage over a long period of time
Condition	Syslog is enabled.
Workaround	NA
Recovery	None.
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Monitoring - Syslog

Issue	FI-276159
Symptom	Performing configurations on MVLANS
Condition	Executing configurations, such as associating a port with 1000 VLANs using Multi-VLAN (MVLAN) mode, currently takes over 15 seconds to complete.
Workaround	
Recovery	perform the configuration in smaller segments - consider tagging 100 VLANs at a time instead of 1000.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	



Issue	FI-276096
Symptom	On rare occasions, the connectivity between the ICX switch and Ruckus One may be disconnected, while there is no issue in switching functionality.
Condition	On rare occasions, the connectivity between the ICX switch and Ruckus One may be disconnected, while there is no issue in switching functionality.
Workaround	no workaround
Recovery	reload the system
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-276060
Symptom	CPU usage goes high in ICX 8200 when there is continuous MAC movement between two interfaces
Condition	CPU usage goes high in ICX 8200 when there is continuous MAC movement between two interfaces
Workaround	Avoid the cause of continuous MAC moves
Recovery	CPU usage reduces after the continuous mac movement stops
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

Issue	FI-275904
Symptom	Active unit Console not accessible.
Condition	In few stress scenarios, due to some internal errors, console gets hung or unresponsive.
Workaround	use TELNET/SSH.
Recovery	Reload the device.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - CLI - Command Line Interface

Issue	FI-275815
Symptom	continuous high CPU may be observed after a reload of ICX8200-48F/24FX
Condition	With 8K or more MAC addresses, RSTP configured and exchanging BPDUs with other switches on multiple VLANs, SmartZone managing the switch, 8200-24FX or 8200-48F as active unit in a stack, high CPU may be observed after a reload of ICX8200-48F/24FX
Workaround	Keep the units other than 8200-24FX or 8200-48F as the active unit of stack
Recovery	System might recover automatically and RSTP would converge after some time
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

## Known Issues in FastIron Release 10.0.10a

<b>Issue</b>	FI-275764
<b>Symptom</b>	LLDP neighbor information is not displayed in SMARTZONE.
<b>Condition</b>	The issue can be seen when SNMP process is in a busy state.
<b>Workaround</b>	NONE
<b>Recovery</b>	Retry after some time.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Cloud Management - Switch Registrar/Tunnel Aggregator

<b>Issue</b>	FI-275783
<b>Symptom</b>	After "clear mac-address" or LAG flap or reload, continuous 99% CPU usage leading to RSTP not getting converged.
<b>Condition</b>	When 16K or more MAC addresses learned, RSTP configured and exchanging BPDUs with neighbor switch on multiple VLANs, 8200-48F or 8200-24FX as active unit in a stack, high CPU may be observed resulting in RSTP not getting converged.
<b>Workaround</b>	Make units other than 8200-24FX or 8200-48F to be the active unit of stack
<b>Recovery</b>	System could recover automatically after sometime and RSTP starts to converge
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - System

<b>Issue</b>	FI-270157
<b>Symptom</b>	AAA authentication returns success with alternate method configured under aaa authentication command even if the first method returns a REJECT.
<b>Condition</b>	Current Behavior: When aaa authentication login default radius tacacs local is configured and the user is rejected by RADIUS, the switch still validates the user with fallback methods TACACS and local. The user is granted access if any fallback method successfully authenticates the user. Expected Behavior: When aaa authentication login default radius tacacs local is configured and the first authentication method is successful, the software grants access and stops the authentication process. If access is rejected by the first authentication method, the software denies access and stops checking.
<b>Workaround</b>	N/A
<b>Recovery</b>	N/A
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Security - AAA - Authentication, Authorization, and Accounting

<b>Issue</b>	FI-275607
<b>Symptom</b>	On reloading a system containing link aggregation with 1G copper port and 1G fiber port with TX optic the lag interface can go to blocked/inactive state.
<b>Condition</b>	When link aggregation is formed with a combination of 1G copper port and 1G fiber port with 1G TX optic, in some situations ?speed-duplex 1000-full? configuration is added under lag interface and the lag is moved to blocked/inactive state
<b>Workaround</b>	Form the link aggregation with ports of same type of optic
<b>Recovery</b>	1. Delete the ?speed-duplex 1000-full" on lag and configure auto 2. If recovery is not successful, configure ?speed-duplex 1000-full" for lag on both lag interfaces (local and peer) and reload the system.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-275543
<b>Symptom</b>	Configuration CLI commands may fail in SSH/TELNET/CONSOLE
<b>Condition</b>	Continuous enable and disable of management protocols like DHCP client/server, manager, SNMP, restconf, web, streaming
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-275463
<b>Symptom</b>	RUCKUS One or SmartZone connected to ICX but no data is displayed in UI
<b>Condition</b>	ICX stack connected to RUCKUS One or SmartZone, perform stack switchover.
<b>Workaround</b>	switchover to previous active
<b>Recovery</b>	Reload the device
<b>Probability</b>	Low
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Cloud Management - Cloud Agent

<b>Issue</b>	FI-275393
<b>Symptom</b>	On rare conditions of hundreds of reloads, some ports may go down on ICX8200-24F/48F containing 1G TX optic randomly.
<b>Condition</b>	On rare conditions of hundreds of reloads, some ports may go down on ICX8200-24F/48F containing 1G TX optic randomly.
<b>Workaround</b>	no workaround
<b>Recovery</b>	Disable and enable the port back. If the link is still down remove the optics and plug it back again or reload the system
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10a

<b>Issue</b>	FI-274617
<b>Symptom</b>	RESTCONF query to ICX may fail
<b>Condition</b>	The user configures with incomplete payload for snmp user with only AES privilege and without Auth. The issue is specific to the negative scenario with incomplete payload. sample incomplete payload: { "icx-openconfig-snmp-server:snmp-server": { "user" : [ { "name" : "user3", "groupname" : "group2", "aesprivpass" : "123456789123" } ] } }
<b>Workaround</b>	configure with full Payload, both AUTH and Privilege while configuring from RESTCONF. sample: { "name" : "user2", "groupname" : "grp2", "md5authpass" : "12345678", "aesprivpass" : "123456789123" } }
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Monitoring - RAS - Reliability, Availability, and Serviceability

<b>Issue</b>	FI-274591
<b>Symptom</b>	Process memory keeps increasing slowly when connected to RUCKUS One
<b>Condition</b>	ICX device connected to RUCKUS One
<b>Workaround</b>	NA
<b>Recovery</b>	Reload the device
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - Configuration Fundamentals

<b>Issue</b>	FI-274524
<b>Symptom</b>	Memory increase seen in rmonagentd process in the below command "show cpu-utilization tasks"
<b>Condition</b>	When device is connected to RUCKUS One and monitored from AUVIK tool
<b>Workaround</b>	No
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Monitoring - RMON - Remote Network Monitoring

<b>Issue</b>	FI-274334
<b>Symptom</b>	Link between ICX7850 - 100G breakout and 25G ports of ICX 8200 may not come up on certain ports
<b>Condition</b>	Link between ICX7850 - 100G breakout and 25G ports of ICX 8200 may not come up on certain ports
<b>Workaround</b>	There is no work around
<b>Recovery</b>	There is no Recovery
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-274310
<b>Symptom</b>	CPU usage of the device may be increase by 10% to 20%
<b>Condition</b>	when scaled rmon alarm configurations of 128 commands is configured with same time interval in the device
<b>Workaround</b>	Configure rmon alarm command with different time intervals
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Monitoring - RMON - Remote Network Monitoring

<b>Issue</b>	FI-273196
<b>Symptom</b>	'aaa authentication login privilege-mode' support not available
<b>Condition</b>	execution of 'aaa authentication login privilege-mode' CLI command
<b>Workaround</b>	na
<b>Recovery</b>	na
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Management - AAA

<b>Issue</b>	FI-273943
<b>Symptom</b>	Unexpected reload of ICX device may be encountered when executing 'cpu profiling clear' CLI command
<b>Condition</b>	When ICX is in high CPU condition, 'cpu profiling clear' command is executed
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - CLI - Command Line Interface

<b>Issue</b>	FI-273917
<b>Symptom</b>	More than 8k MAC addresses cannot be learnt on AC5P based ICX Switches.
<b>Condition</b>	This issue is observable ONLY on AC5P based ICX Switches.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10a

<b>Issue</b>	FI-273770
<b>Symptom</b>	DHCP server lease entry display on Ruckus one shows both stale and new entries.
<b>Condition</b>	ICX connected to RUCKUS One and DHCP lease entries get renewed from ICX
<b>Workaround</b>	NA
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Cloud Management - Cloud Agent

<b>Issue</b>	FI-273688
<b>Symptom</b>	Crash is seen while unconfiguring last vlink from ospf
<b>Condition</b>	Crash is seen while unconfiguring last vlink from ospf
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273637
<b>Symptom</b>	Unable to resolve DNS once the standby becomes active after active crashed.
<b>Condition</b>	Unable to resolve DNS once the standby becomes active after active crashed.
<b>Workaround</b>	None
<b>Recovery</b>	Disable/Enable the interface through which DNS server is reachable.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273612
<b>Symptom</b>	Supportsave all command may not complete and CLI is in stuck state
<b>Condition</b>	After few days of continuous run of SSH/TELNET login, logout and SNMP walk
<b>Workaround</b>	Collect supportsave module wise
<b>Recovery</b>	Reload of the device
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Monitoring - RAS - Reliability, Availability, and Serviceability

<b>Issue</b>	FI-273439
<b>Symptom</b>	On rare conditions ICX 7650/7850 device access via SSH/Telnet may be affected.
<b>Condition</b>	On rare conditions if the file system on the unit is inconsistent, ICX 7650/7850 device access via SSH/Telnet may be affected.
<b>Workaround</b>	No Workaround
<b>Recovery</b>	Reloading the device could recover the file system issues by doing a file system check.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273337
<b>Symptom</b>	Configuration from RUCKUS One/SmartZone may fail
<b>Condition</b>	ICX connected to RUCKUS One/SmartZone and configuration from RUCKUS One/SmartZone
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - Configuration Fundamentals

<b>Issue</b>	FI-273300
<b>Symptom</b>	Sometimes image update from uboot leads to file system corruption and device will not bootup on ICX8200.
<b>Condition</b>	Sometimes image update from uboot leads to file system corruption and device will not bootup on ICX8200.
<b>Workaround</b>	if one of the image is not booting up, it is recommended to bootup from other partition and do image upgrade from application.
<b>Recovery</b>	If any of the device hits this issue reach out to CommScope support for formatting the flash and re-installation of keys.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273281
<b>Symptom</b>	High CPU is observed with ICX 820048F and ICX820024FX during arp learning
<b>Condition</b>	High CPU is observed with ICX 820048F and ICX820024FX during arp learning
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10a

<b>Issue</b>	FI-273134
<b>Symptom</b>	Supportsave collection is not happening during high CPU.
<b>Condition</b>	Supportsave collection is stuck and no progress in data collection.
<b>Workaround</b>	
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-271835
<b>Symptom</b>	In ICX 8200 24FX system when reload is continuously executed, randomly after certain few hundreds of reloads, the system might fail to boot up.
<b>Condition</b>	In ICX 8200 24FX system when reload is continuously executed, randomly after certain few hundreds of reloads, the system might fail to boot up with capability manager related errors.
<b>Workaround</b>	Not known.
<b>Recovery</b>	Power cycle the system to recover
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-271496
<b>Symptom</b>	OSPF external routes are not installed
<b>Condition</b>	OSPF external routes are not installed
<b>Workaround</b>	None
<b>Recovery</b>	Clear affected ospf neighbour.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-271062
<b>Symptom</b>	DHCPv4 and DHCPv6 server fails to allocate/release IP addresses
<b>Condition</b>	DHCPv4 and DHCPv6 server fails to allocate/release IP addresses when processing DHCP messages continuously received from both DHCPv4/v6 clients with RUCKUS One connection.
<b>Workaround</b>	Starting DHCPv4 or DHCPv6 clients after allocating IP addresses to DHCPv4 or DHCPv6 clients. Don't start both DHCPv4 and DHCPv6 clients concurrently.
<b>Recovery</b>	NA
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - DHCP (IPv6)



<b>Issue</b>	FI-275766
<b>Symptom</b>	Time Difference on Active and Standby unit
<b>Condition</b>	user can see the 1hr time difference on Active and standby unit when system has "clock timezone us <XXXX>" configurations.
<b>Workaround</b>	No workaround
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - NTP - Network Time Protocol

<b>Issue</b>	FI-276132
<b>Symptom</b>	Streaming stopped from ICX to RUCKUS One after switchover
<b>Condition</b>	ICX device connected to RUCKUS One and stack switchover
<b>Workaround</b>	No workaround
<b>Recovery</b>	manager disable no manager disable
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Cloud Management - Switch Registrar/Tunnel Aggregator

<b>Issue</b>	FI-274669
<b>Symptom</b>	Disconnection of ICX from RUCKUS One
<b>Condition</b>	Stack Switchover and time difference between RUCKUS One and NTP server time
<b>Workaround</b>	No workaround
<b>Recovery</b>	To recover the system from issue state, user can disable and enable the manager disable no manger disable
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Cloud Management - Switch Registrar/Tunnel Aggregator

<b>Issue</b>	FI-274282
<b>Symptom</b>	Manager configuration commands may not work
<b>Condition</b>	Executing manager related CLI commands, when device is stressful conditions like MAC learning, port flaps, loop that could trigger lot of system activities
<b>Workaround</b>	Re execute the command once the network and device stabilizes
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Cloud Management - Cloud Agent

## Known Issues in FastIron Release 10.0.10a

<b>Issue</b>	FI-273671
<b>Symptom</b>	snmp-server view exclude functionality is not working
<b>Condition</b>	snmp-server view is deleted and added again
<b>Workaround</b>	Delete all the snmp views configured. Don't configure view with same name and exclude/ include options.
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - SNMP - Simple Network Management Protocol

<b>Issue</b>	FI-273422
<b>Symptom</b>	During boot up, 1G TX optic on 8200 link may go down sometimes.
<b>Condition</b>	During boot up, 1G TX optic on 8200 link may go down after sometimes.
<b>Workaround</b>	No workaround available
<b>Recovery</b>	Reload the system
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273404
<b>Symptom</b>	Crash is observed while executing show ip ospf database summary with vlink config
<b>Condition</b>	Crash is observed while executing show ip ospf database summary
<b>Workaround</b>	None
<b>Recovery</b>	None
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273132
<b>Symptom</b>	ICX may reload unexpectedly
<b>Condition</b>	ICX is connected to RUCKUS One with DHCPv6 scale config
<b>Workaround</b>	Reduce the DHCPv6 scale config
<b>Recovery</b>	
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	Management - DHCP (IPv6)

<b>Issue</b>	FI-271236
<b>Symptom</b>	DHCPv6 server failed to renew IP address for 500 DHCPv6 client.
<b>Condition</b>	1. Create 100 ve with IPv4 and IPv6 addresses and mapped to 100 DHCPv4 pools and DHCPv6 pools each. 2. Create 3000 DHCPv4 and 500 DHCPv6 clients on STC and start all devices. 3. Check all 500 clients are in active state. 4. renew all 500 clients IP address. 5. All IP address renewed successfully 6. reload the device. 7. Check all 500 Clients are in active state. 8. renew all 500 clients IP address.
<b>Workaround</b>	Configure the DHCPv6 clients gradually
<b>Recovery</b>	Remove and add the clients again
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



# Known Issues in FastIron Release 10.0.10

<b>Issue</b>	FI-271085
<b>Symptom</b>	AAA authentication returns success with alternate method configured under aaa authentication command even if the first method returns a REJECT.
<b>Condition</b>	<p><b>Current Behavior:</b> When <b>aaa authentication login default radius tacacs local</b> is configured and the user is rejected by RADIUS, the switch still validates the user with fallback methods TACACS and local. The user is granted access if any fallback method successfully authenticates the user.</p> <p><b>Expected Behavior:</b> When <b>aaa authentication login default radius tacacs local</b> is configured and the first authentication method is successful, the software grants access and stops the authentication process. If access is rejected by the first authentication method, the software denies access and stops checking.</p>
<b>Workaround</b>	N/A
<b>Recovery</b>	N/A
<b>Probability</b>	
<b>Found In</b>	FI 09.0.10
<b>Technology / Technology Group</b>	Security - AAA - Authentication, Authorization, and Accounting

<b>Issue</b>	FI-273293
<b>Symptom</b>	Randomly ICX-8200-24F to ICX-8200-48F 10G or 1G optical link may come up with delay or will be down.
<b>Condition</b>	While booting the ICX-8200 reload/ power cycle, randomly ICX-8200-24F-to-ICX-8200-48F 10G or 1G optical link may come up with delay or will be down.
<b>Workaround</b>	
<b>Recovery</b>	Try disabling and enabling the port. If the link is still not coming up, reload/power cycle the ICX-8200.
<b>Probability</b>	
<b>Found In</b>	
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273612
<b>Symptom</b>	Supportsave all command may not complete and cli is in stuck state
<b>Condition</b>	After few days of continuous run of ssh/telnet login/logout and SNMP walk
<b>Workaround</b>	collect supportsave module wise
<b>Recovery</b>	Reload of the device
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10

Issue	FI-273544
Symptom	Un-expected reload during longevity test with L2, L3, ARP , PBR , multicast traffic.
Condition	Run L2, L3, ARP , PBR , multicast. Traffic over default and non-default vrfs for more than 48 hours
Workaround	None
Recovery	No Recovery
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-273502
Symptom	'Supportsave all scp' command may fail and displays 'SupportSave: SupportSave collection failed.'
Condition	supportsave collection completed but copy to the destination path is failed with error message "Warning: Permanently added \'10.136.192.101\' (ED25519) to the list of known hosts.\r\nPermission denied, please try again.\r\n"
Workaround	Collect supportsave with different scp or tftp server
Recovery	NA
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-273483
Symptom	Crash observed when device is upgraded with saved config from switch image to router image with.
Condition	Crash observed when device is upgraded with saved config from switch image to router image.
Workaround	Erase saved configuration in switch image before upgrading with router image
Recovery	Erase saved configuration in switch image before upgrading with router image
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-273415
Symptom	On ICX8200, High CPU may be exhibited when running "clear mac-addresses" on scaled system.
Condition	With large configuration on ICX8200 stack, issuing the "clear mac-addresses" command with a large MAC database will result in a high CPU utilization for an extended period of time. RSTP enabled, and sessions may flap momentarily.
Workaround	No workaround at this time.
Recovery	High CPU will clear after 3 to 4 minutes.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

<b>Issue</b>	FI-273397
<b>Symptom</b>	ICX to ACX communication will be lost and it will recovered after drift time
<b>Condition</b>	When there is a time drift greater than 5mins will see this issue but in general it shouldnot happen when ICX connected to a trusted time source
<b>Workaround</b>	Do the following steps to recover 1.manager disable 2.no manager disable
<b>Recovery</b>	Do the following steps to recover 1.manager disable 2.no manager disable
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273326
<b>Symptom</b>	Ruckus One webui stuck in "Synchronizing data" state for 38 minutes when in "NATS CONNECTED"
<b>Condition</b>	ICX device connected to Ruckus One and 4k MAC addresses count present in ICX. Currently 'Ruckus One' restricts MAC addresses count to 2.5K, hence when ICX is connected to 'Ruckus One', MAC address limitation count needs to be considered in ICX. If ICX exceeds 2.5K MAC addresses count on on-boarding to 'Ruckus One', then ICX would stuck in synchronizing state in 'Ruckus One' GUI.
<b>Workaround</b>	Reduce the MAC addresses to reduce the sync time
<b>Recovery</b>	Allow the device to synchronize with Ruckus one and the delay will not be seen further.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273203
<b>Symptom</b>	Module1 Port link may go down on 24F and 48F on Reload/power cycle/ on port disable/enable
<b>Condition</b>	Module1 Port link may go down on 24F and 48F on Reload/power cycle/ on port disable/enable
<b>Workaround</b>	disable and enable the link down port ICX8200-24F #configure terminal ICX8200-24F (config-if-e1000-1/1/1)#disable ICX8200-24F (config-if-e1000-1/1/1)#enable
<b>Recovery</b>	disable and enable the link down port
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-273089
<b>Symptom</b>	On reload, sometimes media does not get detected on some SFP ports and link fails to come up.
<b>Condition</b>	Issue occurs sometime on reload.
<b>Workaround</b>	No workaround available
<b>Recovery</b>	Reload ICX-8200 switch again to recover from this issue.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

## Known Issues in FastIron Release 10.0.10

<b>Issue</b>	FI-272969
<b>Symptom</b>	while booting the ICX8200 24F and 48F port models, 10G optical link could flap
<b>Condition</b>	On rare occasions, the 10G optical link ports of ICX 8200 24F and 48F could flap
<b>Workaround</b>	No Workaround
<b>Recovery</b>	Disable the flapping port and enable it back
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-272938
<b>Symptom</b>	High CPU observed during arp learning.
<b>Condition</b>	High CPU Observed during arp learning.
<b>Workaround</b>	Configure "rate-limit-arp" to reduce the high cpu.
<b>Recovery</b>	Configure "rate-limit-arp" to reduce the high cpu.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-271899
<b>Symptom</b>	In ICX 8200 High CPU, RSTP not converging leading to continuous MAC moves and continuous high CPU.
<b>Condition</b>	With ICX 8200-48F or 8200-24FX as active unit in a stack, the system can sometimes get into this state after a "clear mac-address" / LAG flap / reload.
<b>Workaround</b>	if/where possible, not having the 8200-48F or 8200-24FX as the active unit.
<b>Recovery</b>	the system might recover on its own after a time delay.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	System - System

<b>Issue</b>	FI-271756
<b>Symptom</b>	Standby config sync gets delayed
<b>Condition</b>	After reboot during high cpu conditions standby sync gets stuck
<b>Workaround</b>	No workaround
<b>Recovery</b>	Restarting system
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



<b>Issue</b>	FI-271579
<b>Symptom</b>	4X25G with breakout 5meter cable the port 1/1/21 on 8200-24FX link will be permanently down
<b>Condition</b>	4X25G with breakout 5meter cable the port 1/1/21 on 8200-24FX link will be permanently down
<b>Workaround</b>	No work around available as of now
<b>Recovery</b>	No work around available as of now
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-271323
<b>Symptom</b>	High cpu observed with multicast control traffic coming to cpu at high rate.
<b>Condition</b>	High cpu observed with multicast control traffic coming to cpu at high rate.
<b>Workaround</b>	Configure acl to rate limit inbound cpu traffic.
<b>Recovery</b>	Configure acl to rate limit inbound cpu traffic.
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-270792
<b>Symptom</b>	Randomly 24F to 48F 10G optical link may come-up with delay or will be Down
<b>Condition</b>	while booting the ICX8200 reload/ power cycle Randomly 24F to 48F 10G optical link may come-up with delay or will be Down
<b>Workaround</b>	Please try disable and enable the port if still link not coming-up Reload/Power cycle the ICX8200
<b>Recovery</b>	Please try disable and enable the port if still link not coming-up Reload/Power cycle the ICX8200
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	

<b>Issue</b>	FI-269200
<b>Symptom</b>	User could see a core collection followed by a reboot with no specific triggers
<b>Condition</b>	Under rare conditions, ICX switches could see core collection with a wrong memory access with no specific triggers
<b>Workaround</b>	No workaround
<b>Recovery</b>	system would automatically reboot after collecting core file to recover without user intervention
<b>Probability</b>	
<b>Found In</b>	FI 10.0.10
<b>Technology / Technology Group</b>	



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