RELEASE NOTES

FastIron 10.0.10c for RUCKUS ICX Switches Release Notes Version 2

Supporting FastIron Software Release 10.0.10c

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Patent Marking Notice

For applicable patents, see www.cs-pat.com.

Contents

Document History

Version	Summary of changes	Publication date
FastIron 10.0.10c for ICX Switches Version 2	• Known and Resolved issues • Editorial updates	January 5, 2024
FastIron 10.0.10c for ICX Switches Version 1	• New software features and enhancements • Known and Resolved issues	December 29, 2023

Overview

This release of Ruckus Cloud enables you to configure and manage Ruckus LTE APs and their services. WI-FI AP management is limited to evaluation/ demo level only using this version of Cloud release. Commercial WI-FI deployment, is only supported on Ruckus Cloud WI-FI release. Please contact your Ruckus representative for details.

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 11 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
- VXLAN enhancements, including routing in and out of tunnels (VXLAN RIOT) and remote site monitoring and redundancy
- DHCP Dynamic Bootstrap Protocol (BOOTP) support

Refer to Software Features on page 11 for a detailed list of features and enhancements in the Fastron 10.0.10 release.

Document Feedback

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

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

When contacting us, include the following information:

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

For example:

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

RUCKUS Product Documentation Resources

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

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

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

Online Training Resources

To access a variety of online RUCKUS training modules, including free introductory courses to wireless networking essentials, site surveys, and products, visit the RUCKUS Training Portal at https://commscopeuniversity.myabsorb.com/. The registration is a two-step process described in this video. You 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 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 **Open a Case** section.
- Priority 2 (P2)—High. Network or service is impacted, but not down. Business impact may be high. Workaround may be available. Go to the **Open a Case** section.
- Priority 3 (P3)—Medium. Network or service is moderately impacted, but most business remains functional. Go to the **Self-Service Resources** section.
- Priority 4 (P4)—Low. Requests for information, product documentation, or product enhancements. Go to the **Self-Service Resources** section.

Open a Case

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

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

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

Self-Service Resources

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

- Technical Documentation—https://support.ruckuswireless.com/documents
- Community Forums—https://community.ruckuswireless.com
- Knowledge Base Articles—https://support.ruckuswireless.com/answers
- Software Downloads and Release Notes—https://support.ruckuswireless.com/#products_grid
- Security Bulletins—https://support.ruckuswireless.com/security

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

New in This Release

Hardware

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.

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 *RUCKUS FastIron Layer 2 Switching Configuration Guide* 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 *RUCKUS FastIron Security Configuration Guide* for more information.
Additional SSH encryption methods	The **ip ssh host-key-method** command introduces an option for enabling or disabling host key algorithms. The **ip ssh key-exchange-method** command is updated to include new secure key-exchange methods for SSH connections. The **ip ssh encryption** command allows selection of a range of new encryption algorithms. Refer to the *RUCKUS FastIron Security Configuration Guide* for more information.
Additional SSH security options	The **ip ssh stricthostkeycheck ask** command prompts the user to confirm the authenticity of the remote host if the host key is not recognized. The **ip ssh delete-known-host-key** 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 *RUCKUS FastIron Security Configuration Guide* 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 employs an ECDSA certificate for all ICX communications with SmartZone. Refer to the *RUCKUS FastIron Security Configuration Guide* 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 *RUCKUS FastIron Management Configuration Guide* 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 *RUCKUS FastIron RESTCONF Programmers Guide* 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 *RUCKUS FastIron RESTCONF Programmers Guide* 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

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 *RUCKUS FastIron Management Configuration Guide* 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 *RUCKUS FastIron Management Configuration Guide* 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 *RUCKUS FastIron Security Configuration Guide* 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 *Modified Commands in Release 10.0.10* on page 17 and to the *RUCKUS FastIron Command Reference*.

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.[1]

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
Port Profiles	Port profiles can be pre-defined and dynamically applied based on the ICX device type connected to the port. Refer to the *RUCKUS FastIron Management Configuration Guide*.
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 *RUCKUS FastIron Layer 2 Switching Configuration Guide* and the *RUCKUS FastIron Security Configuration Guide*.
Fanless mode	Fanless mode can be configured on certain ICX 8200 devices. Refer to the *RUCKUS FastIron Management Configuration Guide*.
Domain name resolution	You can resolve the domain name for an IP address by querying the DNS server using the **nslookup** command. Refer to the *RUCKUS FastIron Command Reference*.
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 *RUCKUS FastIron DHCP Configuration Guide*.
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 *RUCKUS FastIron DHCP Configuration Guide*.
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 *RUCKUS FastIron Layer 2 Switching Configuration Guide*.
VXLAN - VXLAN Scale Enhancements	VXLAN Scale Enhancements support the following: • A range of VLANs can be mapped to a VXLAN Network Identifier (VNI) for a VXLAN overlay-gateway. • A range of mapped VLANs can be extended over a VXLAN overlay-gateway. Refer to the *RUCKUS FastIron Layer 2 Switching Configuration Guide*.

[1] 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
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 *RUCKUS FastIron Layer 2 Switching Configuration Guide*.
ICX-Management in the RUCKUS One via HTTPS	This release adds RUCKUS One support on ICX 8200 series switches. Refer to the *RUCKUS FastIron Management Configuration Guide*.

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 11 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

The commands listed in this section were introduced, modified, or deprecated in FastIron release 10.0.10.

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**

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.

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.

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.

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-lldp**

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, or 10.0.10c.

MIBs

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

Hardware Support

Supported Devices

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

FastIron release 10.0.10a and later supports the following scaling numbers, which will be revised to higher limits in upcoming releases.

- ICX 7550, ICX 7650, and ICX 7850 devices: up to 8-unit stack and up to 800 VLANs
- ICX 8200 devices managed by CLI or SmartZone: up to 8-unit stack and up to 800 VLANs
- ICX 8200 devices managed by RUCKUS One: up to 4-unit stack and up to 400 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
- 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

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 7550	GZR10010cufi.bin
ICX 7650	TNR10010cufi.bin
ICX 7850	TNR10010cufi.bin
ICX 8200	RDR10010cufi.bin

PoE Firmware Files

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

Device	Firmware version	File name
ICX 7550	01.64.07.b001.fw	icx7xxx_poe_01.64.07.b001.fw
ICX 7650	02.1.8 fw	icx7xxx_poe_02.1.8.b004.fw
ICX 7850	N/A	Not supported
ICX 8200	01.64.07.b001.fw	icx7xxx_poe_01.64.07.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.

NOTE

Please note the following recommendations and notices:

- Inline power is enabled by default as of FastIron release 08.0.70.
- As of FastIron release 08.0.70 **legacy-inline-power** configuration is disabled by default.
- Data link operation is decoupled from inline power by default as of FastIron release 08.0.70.
- Use the **[no] inline power** command to enable and disable POE on one or a range of ports.
- Data link operation is coupled with inline power using the command **inline power ethernet** *x/x/x* **couple-datalink** in Privileged EXEC mode or in interface configuration mode using the command **inline powercouple-datalink**. The PoE behavior remains the same as in releases prior to 08.0.70 (08.0.30, 08.0.40, 08.0.50, 08.0.61).
- Do not downgrade PoE firmware from the factory-installed version. When changing the PoE firmware, always check the current firmware version with the **show inline power detail** command, and make sure the firmware version you are installing is higher than the version currently running.
- 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)
avl	Yes
Aquantia - PHY Drivers	No
Broadcom - SDK	No
Marvell - MSA (SDK)	No
Broadcom - PHY Drivers	No
Broadcom - Linux	Yes
Broadcom - Uboot	Yes
Broadcom/Marvell - sysroot	Yes
ZeroMQ – Library for Inter Process Communication	Yes
Trusted Computing Group - TPM	Yes
libunwind	Yes
Source for rootfs (Part of Linux)	Yes
Dynamic (.so) and static(.a) libraries	Yes
iptables	Yes
python3	Yes
Ingy dot Net - YAML Parser, libyaml-0.2.5	Yes
diffios - conf_archive	Yes
IP Infusion - MVRP	No
WindRiver - IPSec	No
WindRiver - PKI	No
WindRiver - OSPFv3	No
OpenSSL	Yes
Bind9	Yes

Third Party Software	Open source (Yes/No)
Network Security Services (NSS)	Yes
WindRiver - SNMP	No
curl	Yes
zlib	Yes
libxml	Yes
python	Yes
Nginx - szagent Uwsgi - szagent curl - szagent zlib - szagent libxml - szagent	Yes
flask_package - webui node_module - webui openssl - webui	Yes
OpenSSH - SSH client / server	Yes
Python-PAM - Python based PAM authentication module	Yes
Pyrad - Radius	Yes
Tacacs_plus - Tacacs+	Yes
Linux-Pam - PAM authentication	Yes
Radsecproxy - Proxy radius server	Yes
Nettle - Cryptographic library for radsecproxy	Yes
ISC - DHCPv6 Server ISC - DHCPv4 server client	Yes
Abduco - Console	Yes
FCGI2 - RESTConf	Yes
FCGIWrap - RESTConf	Yes
Nginx - RESTConf/Web	Yes
Libtelnet - RConsole	Yes
Busybox - Telnet	Yes
Ulogd - Management access	Yes
SSL - OpenSSL	Yes

Known Behavior

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

UniFi HD WiFi Access Point Power Up

UniFi AP-HD APs may not be powered on at the IEEE 802.3bt ports, use the **dm poe enable legacy extended ethernet <x/y/z> ethernet <a/b/c> to <m/n/o>** command to resolve the issue. The **legacy-inline-power** command should be configured at the interface configuration level before executing this command and the interfaces should be in disabled state. If the switch reboots or if the PD is unplugged and then plugged in, the **dm poe enable legacy** command has to be executed again.

ICX 8200 PoE Status LED

If the power level you configure for an ICX 8200 port is less than the power consumed by an attached power device (PD), the PoE status for the port alternates between "overload" and "powered state" until the allocated or configured power level is higher than the power consumed by the PD.

ICX 8200-24FX and ICX 8200-48F Units as Stack Active Controller

When an ICX 8200-24FX or an ICX 8200-48F unit is operating as the active controller of a stack, MAC address table size is limited to 8,000.

ICX 8200-24F and ICX 8200-48F Default Port Setting

On ICX 8200-24F and ICX 8200-48F devices, 100Base-FX is enabled by default.

ICX 8200-C08ZP

ICX 8200-C08ZP devices connect only through auto-negotiation. RUCKUS recommends that you use the default speed setting (speed auto) on 10G Multi-gig ports rather than configuring a specific speed.

MACsec Traffic

Beginning with FastIron release 09.0.10c, MACsec is no longer backward compatible with previous software versions. All connected devices must have FastIron release 09.0.10c or later for MACsec traffic to flow correctly.

ICX 7550 Port LED in PoE Mode

When a RUCKUS ICX 7550-24ZP or a RUCKUS ICX 7550-48ZP device is operating in PoE mode and the user connects a powered device 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 powered device 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 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 R1, 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

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

Issue	FI-282756
Symptom	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'
Condition	ICX device configured with 500 or more VE interfaces configured and reload ICX device
Workaround	None
Recovery	ICX device will come online after completing the boot up initialization
Probability	
Found In	FI 10.0.20
Technology / Technology Group	

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

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

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

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

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

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

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

Issue	FI-286145
Symptom	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
Condition	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
Workaround	None
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

Issue	FI-284470
Symptom	OSPF is stuck in EXCH state.
Condition	OSPF is stuck in EXCH state.
Workaround	None
Recovery	clear ip ospf neighbour andlt;neighbour_ipandgt; to recover.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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-280623
Symptom	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.
Condition	If a user attempts to delete more than 1k+ vlans using a single MVLAN command when Restconf is enabled.
Workaround	If user needs to delete scaled number of VLANs in one shot, it is recommended the user deletes 100 VLANs at a time.
Recovery	Wait for 4-5 minutes, the system will recover.
Probability	
Found In	FI 09.0.10
Technology / Technology Group	

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

Issue	FI-284328
Symptom	loops or network disruptions.
Condition	Occurs when BPDU Guard or Root Protect are enabled on stack ports through R1.
Workaround	Disable BPDU Guard or Root Protect on stack ports.
Recovery	Disable BPDU Guard or Root Protect on stack ports. Device will auto-recover
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

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

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

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

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

Issue	FI-281203
Symptom	User will not be able to login to ICX device
Condition	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
Workaround	Remove the authentication mechanism for which the server configuration is not added
Recovery	Configure RADIUS and TACACS+ server
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

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

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

Issue	FI-271236
Symptom	DHCPv6 server failed to renew IP address for 500 DHCPv6 client.
Condition	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.
Workaround	Configure the DHCPv6 clients gradually
Recovery	Remove and add the clients again
Probability	Low
Found In	FI 10.0.10
Technology / Technology Group	Management - DHCP (IPv6)

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Issue	FI-286043
Symptom	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.
Condition	When peer port disabled or peer device power-cycled.
Workaround	N/A
Recovery	N/A
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-284440
Symptom	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.
Condition	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.
Workaround	NA
Recovery	NA
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-285842
Symptom	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.
Condition	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.
Workaround	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.
Recovery	The setup will recover on its own after core generation. working with Broadcom for the fix.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-283851
Symptom	10G port link goes down when configured with 1G or 2.5G speed in rodan platform. 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 rodan platform. 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	

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	

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

Issue	FI-286232
Symptom	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.
Condition	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
Workaround	Just a display issue, no workaround needed
Recovery	NA
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

Issue	FI-274181
Symptom	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
Condition	8K or more MAC addresses, RSTP configured and BPDUs exchanged with neighbor switches on multiple VLANs, 8200-24FX or 8200-48F as active unit
Workaround	make units other than 8200-24FX or 8200-48F as active unit in stack
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

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

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

Issue	FI-262568
Symptom	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.
Condition	wrong format in Foundry-NAS-Ipv4-Filter-Rule or Foundry-NAS-Ipv6-Filter-Rule.
Workaround	No Workaround
Recovery	No Recovery
Probability	
Found In	FI 10.0.00
Technology / Technology Group	

Issue	FI-285956
Symptom	Console response after approx 2 minutes
Condition	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
Workaround	
Recovery	Wait for approx 2 minutes
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-286656
Symptom	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".
Condition	We saw it once after upgrade from 8095 to 10010c. But not reproduced later.
Workaround	NIL
Recovery	NIL
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-262319
Symptom	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.
Condition	Presently this feature is available only in fips-mode and only when compilation macro is enabled.
Workaround	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.
Recovery	
Probability	
Found In	FI 09.0.10
Technology / Technology Group	

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

Issue	FI-282234
Symptom	New feature support for RODAN (ICX-DOS statistics streaming to ACX)
Condition	Few scenarios are yet to be implemented.
Workaround	No workaround.
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

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

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

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

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

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

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

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

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

Known Issues in 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

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 RuckusOne
Condition	DNS: Failed to initialize dns request when trying to ping to host or trying to establish connection to RuckusOne
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 Rucksone/SZ 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

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

Issue	FI-281797
Symptom	CLI session resets unexpectedly.
Condition	The Device connected to R1 and auwik tool was runing.
Workaround	No
Recovery	CLI process auto restarts. Start another CLI session.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - CLI - Command Line Interface

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-281136
Symptom	Link not coming up on one of fiber port on reloading ICX8200 platform
Condition	on reload
Workaround	None
Recovery	Reload ICX8200 device once again
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	

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

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

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

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

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

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

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

Issue	FI-276941
Symptom	Unable to delete DNS server IP addresses from R1.
Condition	When DNS server IP addresses are configured through CLI without any connection with R1 and then connecting post the configuration.
Workaround	Delete through CLI
Recovery	Delete through on-demand cli configuration from R1
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

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

Issue	FI-274181
Symptom	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
Condition	8K or more MAC addresses, RSTP configured and BPDUs exchanged with neighbor switches on multiple VLANs, 8200-24FX or 8200-48F as active unit
Workaround	make units other than 8200-24FX or 8200-48F as active unit in stack
Recovery	None
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

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

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

Known Issues in 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	

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 irresponsive.
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

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

Issue	FI-275783
Symptom	After "clear mac-address" or LAG flap or reload, continuous 99% CPU usage leading to RSTP not getting converged.
Condition	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.
Workaround	Make units other than 8200-24FX or 8200-48F to be the active unit of stack
Recovery	System could recover automatically after sometime and RSTP starts to converge
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

Issue	FI-270157
Symptom	AAA authentication returns success with alternate method configured under aaa authentication command even if the first method returns a REJECT.
Condition	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.
Workaround	N/A
Recovery	N/A
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Security - AAA - Authentication, Authorization, and Accounting

Issue	FI-275607
Symptom	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.
Condition	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
Workaround	Form the link aggregation with ports of same type of optic
Recovery	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.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

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

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

Issue	FI-274617
Symptom	RESTCONF query to ICX may fail
Condition	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" }] }
Workaround	configure with full Payload, both AUTH and Privilege while configuring from RESTCONF. sample: { "name" : "user2", "groupname" : "grp2", "md5authpass" : "12345678", "aesprivpass" : "123456789123" }] }
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Monitoring - RAS - Reliability, Availability, and Serviceability

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Issue	FI-271062
Symptom	DHCPv4 and DHCPv6 server fails to allocate/release IP addresses
Condition	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.
Workaround	Starting DHCPv4 or DHCPv6 clients after allocating IP addresses to DHCPv4 or DHCPv6 clients. Don't start both DHCPv4 and DHCPv6 clients concurrently.
Recovery	NA
Probability	
Found In	FI 10.0.10
Technology / Technology Group	Management - DHCP (IPv6)

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

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

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

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

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

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

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

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

Issue	FI-271236
Symptom	DHCPv6 server failed to renew IP address for 500 DHCPv6 client.
Condition	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.
Workaround	Configure the DHCPv6 clients gradually
Recovery	Remove and add the clients again
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Known Issues in Release 10.0.10

Issue	FI-271085
Symptom	AAA authentication returns success with alternate method configured under aaa authentication command even if the first method returns a REJECT.
Condition	**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.
Workaround	N/A
Recovery	N/A
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Security - AAA - Authentication, Authorization, and Accounting

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

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

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	

Issue	FI-273397
Symptom	ICX to ACX communication will be lost and it will recovered after drift time
Condition	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
Workaround	Do the following steps to recover 1.manager disable 2.no manager disable
Recovery	Do the following steps to recover 1.manager disable 2.no manager disable
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-273326
Symptom	Ruckus One webui stuck in "Synchronizing data" state for 38 minutes when in "NATS CONNECTED"
Condition	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.
Workaround	Reduce the MAC addresses to reduce the sync time
Recovery	Allow the device to synchronize with Ruckus one and the delay will not be seen further.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

Issue	FI-273203
Symptom	Module1 Port link may go down on 24F and 48F on Reload/power cycle/ on port disable/enable
Condition	Module1 Port link may go down on 24F and 48F on Reload/power cycle/ on port disable/enable
Workaround	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
Recovery	disable and enable the link down port
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

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

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

Issue	FI-271899
Symptom	In ICX 8200 High CPU, RSTP not converging leading to continuous MAC moves and continuous high CPU.
Condition	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.
Workaround	if/where possible, not having the 8200-48F or 8200-24FX as the active unit.
Recovery	the system might recover on its own after a time delay.
Probability	
Found In	FI 10.0.10
Technology / Technology Group	System - System

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

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

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

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

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

Closed Issues with Code Changes in Release 10.0.10c

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

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

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

Closed Issues with Code Changes in 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

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

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

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

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

Closed Issues with Code Changes in Release 10.0.10c

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

Issue	FI-276774
Symptom	Hostname of the DHCP client not received on DHCP server
Condition	During discovery DHCP client packet will not contain hostname details
Workaround	
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	

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

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

Issue	FI-282138
Symptom	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.
Condition	
Workaround	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.
Recovery	
Probability	
Found In	FI 10.0.10
Technology / Technology Group	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

Closed Issues with Code Changes in Release 10.0.10c

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

Issue	FI-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 SmarZone.
Workaround	
Recovery	Manager disable no Manager disable
Probability	
Found In	FI 10.0.00
Technology / Technology Group	Management - Management GUI

Closed Issues with Code Changes in Release 10.0.10c

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

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

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

Issue	FI-273148
Symptom	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.
Condition	when ipv6 address is modified through ssh session.
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 09.0.10
Technology / Technology Group	Management - IPv4/IPv6 Host Management

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

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

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

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

Closed Issues with Code Changes in Release 10.0.10c

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

Closed Issues with Code Changes in Release 10.0.10b

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

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

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

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

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

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

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

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

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

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

Closed Issues with Code Changes in Release 10.0.10b

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

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-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-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

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

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

Closed Issues with Code Changes in Release 10.0.10b

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

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

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

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

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

Issue	FI-271085
Symptom	AAA authentication returns success with alternate method configured under aaa authentication command even if the first method returns a REJECT.
Condition	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.
Workaround	N/A
Recovery	N/A
Probability	
Found In	FI 09.0.10
Technology / Technology Group	Security - AAA - Authentication, Authorization, and Accounting

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

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

Closed Issues with Code Changes in Release 10.0.10b

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

Closed Issues with Code Changes in Release 10.0.10a

Issue	FI-276767
Symptom	IPSG is not applied on the ports
Condition	Seen when older configuration is directly copied to a upgraded 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

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

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

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

Closed Issues with Code Changes in Release 10.0.10a

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

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

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

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

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

Issue	FI-271763
Symptom	High cpu seen for longer period of time when scaled mac is being learnt or mac aging triggered for scaled macs learnt.
Condition	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.
Workaround	
Recovery	
Probability	
Found In	FI 09.0.00
Technology / Technology Group	

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

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

Closed Issues with Code Changes in Release 10.0.10a

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

Closed Issues with Code Changes in Release 10.0.10

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

Issue	FI-272693
Symptom	In R1 GUI, grpc-proxy-service throws too many Errors
Condition	ICX managed by ACX/R1 and ICX device has ASCII printable values in MAC address
Workaround	None
Recovery	None
Probability	Medium
Found In	FI 09.0.10
Technology / Technology Group	Cloud Management - Cloud Agent

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

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

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

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

Issue	FI-270250
Symptom	Unexpected Device reload might be observed in ICX7850 platform.
Condition	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.
Workaround	
Recovery	
Probability	Low
Found In	FI 09.0.10
Technology / Technology Group	

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

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

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

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

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

Issue	FI-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

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

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

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

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

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

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