RELEASE NOTES

# FastIron 10.0.10 for RUCKUS ICX Switches Release Notes Version 2

## Supporting FastIron Software Release 10.0.10

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# Contents

# Document History

| Version | Summary of changes | Publication date |
|---|---|---|
| FastIron 10.0.10 for ICX Switches Version 1 | • New software features and enhancements<br>• Known and Resolved issues | June 30, 2023 |
| FastIron 10.0.10 for ICX Switches Version 2 | Updates Known Behavior | August 01, 2023 |

# Introduction



## 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 (listed in "Hardware" in this document)
- RUCKUS One support on ICX 8200 series switches
- Port profiles
- Web authentication support for network segmentation

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 10.0.10

**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 FastIron Features and Standards Support Matrix, available at 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*. |

[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 |
|---|---|
| Support for Network Segmentation | The release adds support for network segmentation using SmartZone 6.1.1 or SmartZone 6.1.2.<br>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.<br>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.<br>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.<br>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.<br>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.<br>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.<br>Refer to the *RUCKUS FastIron Layer 2 Switching Configuration Guide*. |
| VXLAN - VXLAN Scale Enhancements | • A range of VLANs can be mapped to a VXLAN Network Identifier (VNI) for a VXLAN overlay-gateway.<br>• A range of mapped VLANs can be extended over a VXLAN overlay-gateway.<br>Refer to the *RUCKUS FastIron Layer 2 Switching Configuration Guide*. |
| 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.<br>Refer to the *RUCKUS FastIron Layer 2 Switching Configuration Guide*. |
| ICX-Management in the RUCKUS Cloud via HTTPs | This release adds RUCKUS One support on ICX 8200 series switches.<br>Refer to the *RUCKUS FastIron Management Configuration Guide*. |

# Important Changes in 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 FastIron Features and Standards Support Matrix, available at 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.

## Re-Introduced Commands for FastIron 10.0.10

The following commands have been re-introduced for 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 for 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 for 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.

# MIBs

No MIBs were updated in FastIron release 10.0.10.

# Hardware Support



## Supported Devices

The following devices are supported in FastIron release 10.0.10.

- 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)

### Default Username and Password

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

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

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

## Supported Power Supplies

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

## Supported Optics

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

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

# Upgrade Information



## Image File Names

Download the following FastIron images from www.ruckuswireless.com.

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

Beginning with FastIron 08.0.90, any new ICX hardware platform (starting with the ICX 7850) will use only 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.

**NOTE**
If a configuration migration is required between FastIron 09.0.10 and FastIron 09.0.10a or FastIron 09.0.10b, ISSU should not be used.

**NOTE**
In-Service System Upgrade (ISSU) does not work for upgrade of FastIron release 09.0.10a or 09.0.10b, due to management changes in the 09.0.10b release.

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 | GZR10010ufi.bin |
| ICX 7650 | TNR10010ufi.bin |
| ICX 7850 | TNR10010ufi.bin |
| ICX 8200 | RDR10010ufi.bin |

## PoE Firmware Files

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

| Device | Firmware version | File name |
|---|---|---|
| ICX 7550 | 01.57.1 fw | icx7xxx_poe_01.57.01.b001.fw |
| ICX 7650 | 02.1.8 fw | icx7xxx_poe_02.1.8.b004.fw |
| ICX 7850 | N/A | Not supported |
| ICX 8200 | 01.57.1 fw | icx7xxx_poe_01.57.01.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 Priviliged 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 fw during the loading of FastIron Release 08.0.80. This auto upgrade of the PoE firmware will add approximately 10 minutes to the loading of FastIron Release 08.0.80 on ICX 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<br>Uwsgi - szagent<br>curl - szagent<br>zlib - szagent<br>libxml - szagent | Yes |
| flask_package - webui<br>node_module - webui<br>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<br>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.

## 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 8200-24F and ICX 8200-48F

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

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

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

# Known Issues in 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.<br><br>**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 10.0.10

| 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 |

## Closed Issues with Code Changes in Release 10.0.10

| 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 |

## Closed Issues with Code Changes in Release 10.0.10

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

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

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

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

| 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 |

## Closed Issues with Code Changes in Release 10.0.10

| 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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