



RELEASE NOTES

FastIron 10.0.10a for RUCKUS ICX Switches Release Notes Version 1

Supporting FastIron Software Release 10.0.10a

© 2023 CommScope, Inc. All rights reserved.

No part of this content may be reproduced in any form or by any means or used to make any derivative work (such as translation, transformation, or adaptation) without written permission from CommScope, Inc. and/or its affiliates ("CommScope"). CommScope reserves the right to revise or change this content from time to time without obligation on the part of CommScope to provide notification of such revision or change.

Export Restrictions

These products and associated technical data (in print or electronic form) may be subject to export control laws of the United States of America. It is your responsibility to determine the applicable regulations and to comply with them. The following notice is applicable for all products or technology subject to export control:

These items are controlled by the U.S. Government and authorized for export only to the country of ultimate destination for use by the ultimate consignee or end-user(s) herein identified. They may not be resold, transferred, or otherwise disposed of, to any other country or to any person other than the authorized ultimate consignee or end-user(s), either in their original form or after being incorporated into other items, without first obtaining approval from the U.S. government or as otherwise authorized by U.S. law and regulations.

Disclaimer

THIS CONTENT AND ASSOCIATED PRODUCTS OR SERVICES ("MATERIALS"), ARE PROVIDED "AS IS" AND WITHOUT WARRANTIES OF ANY KIND, WHETHER EXPRESS OR IMPLIED. TO THE FULLEST EXTENT PERMISSIBLE PURSUANT TO APPLICABLE LAW, COMMSCOPE DISCLAIMS ALL WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, TITLE, NON-INFRINGEMENT, FREEDOM FROM COMPUTER VIRUS, AND WARRANTIES ARISING FROM COURSE OF DEALING OR COURSE OF PERFORMANCE. CommScope does not represent or warrant that the functions described or contained in the Materials will be uninterrupted or error-free, that defects will be corrected, or are free of viruses or other harmful components. CommScope does not make any warranties or representations regarding the use of the Materials in terms of their completeness, correctness, accuracy, adequacy, usefulness, timeliness, reliability or otherwise. As a condition of your use of the Materials, you warrant to CommScope that you will not make use thereof for any purpose that is unlawful or prohibited by their associated terms of use.

Limitation of Liability

IN NO EVENT SHALL COMMSCOPE, COMMSCOPE AFFILIATES, OR THEIR OFFICERS, DIRECTORS, EMPLOYEES, AGENTS, SUPPLIERS, LICENSORS AND THIRD PARTY PARTNERS, BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, PUNITIVE, INCIDENTAL, EXEMPLARY OR CONSEQUENTIAL DAMAGES, OR ANY DAMAGES WHATSOEVER, EVEN IF COMMSCOPE HAS BEEN PREVIOUSLY ADVISED OF THE POSSIBILITY OF SUCH DAMAGES, WHETHER IN AN ACTION UNDER CONTRACT, TORT, OR ANY OTHER THEORY ARISING FROM YOUR ACCESS TO, OR USE OF, THE MATERIALS. Because some jurisdictions do not allow limitations on how long an implied warranty lasts, or the exclusion or limitation of liability for consequential or incidental damages, some of the above limitations may not apply to you.

Trademarks

CommScope and the CommScope logo are registered trademarks of CommScope and/or its affiliates in the U.S. and other countries. For additional trademark information see <https://www.commscope.com/trademarks>. All product names, trademarks, and registered trademarks are the property of their respective owners.

Patent Marking Notice

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

Contents

Document History.....	5
Introduction.....	7
About RUCKUS FastIron Release 10.0.10.....	7
Document Feedback.....	7
RUCKUS Product Documentation Resources.....	7
Online Training Resources.....	8
Contacting RUCKUS Customer Services and Support.....	8
What Support Do I Need?.....	8
Open a Case.....	8
Self-Service Resources.....	8
New in This Release.....	11
Hardware	11
Software Features.....	11
New Software Features in 10.0.10.....	11
Important Changes in Release 10.0.10.....	12
CLI Commands.....	13
New Commands for FastIron 10.0.10a.....	13
Modified Commands for FastIron 10.0.10a.....	13
Deprecated Commands for FastIron 10.0.10a.....	13
Re-Introduced Commands for FastIron 10.0.10.....	13
New Commands for FastIron 10.0.10.....	13
Modified Commands for FastIron 10.0.10.....	13
Deprecated Commands for FastIron 10.0.10.....	14
RFCs and Standards.....	14
MIBs	14
Hardware Support.....	15
Supported Devices	15
Hardware Scaling.....	15
Default Username and Password.....	15
Supported Power Supplies.....	16
Supported Optics.....	16
Upgrade Information.....	17
Image File Names.....	17
PoE Firmware Files.....	17
Open Source and Third Party Code.....	18
Known Behavior.....	21
ICX 8200 PoE Status LED.....	21
ICX 8200-24FX and ICX 8200-48F Units as Stack Active Controller.....	21
ICX 8200-24F and ICX 8200-48F Default.....	21
ICX 8200-C08ZP.....	21
MACsec Traffic.....	21
ICX 7550 Port LED in PoE Mode.....	21
Known Issues in Release 10.0.10a.....	23

Known Issues in Release 10.0.10.....	37
Closed Issues with Code Changes in Release 10.0.10a.....	43
Closed Issues with Code Changes in Release 10.0.10.....	47

Document History

Version	Summary of changes	Publication date
FastIron 10.0.10a for ICX Switches Version 1	<ul style="list-style-type: none">• New software features and enhancements• Known and Resolved issues	July 26, 2023

Introduction

• About RUCKUS FastIron Release 10.0.10.....	7
• Document Feedback.....	7
• RUCKUS Product Documentation Resources.....	7
• Online Training Resources.....	8
• Contacting RUCKUS Customer Services and Support.....	8

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

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>.

Introduction

Online Training Resources

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	11
• Software Features.....	11
• Important Changes in Release 10.0.10.....	12
• CLI Commands.....	13
• RFCs and Standards.....	14
• MIBs	14

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 <i>RUCKUS FastIron Management Configuration Guide</i> .

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*

New in This Release

Important Changes in Release 10.0.10

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

Important Changes in Release 10.0.10

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.

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) for this release.

Deprecated Commands for FastIron 10.0.10a

No commands have been deprecated in this release.

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`

New in This Release

RFCs and Standards

- **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 or 10.0.10a.

MIBs

No MIBs were updated in FastIron release 10.0.10 or 10.0.10a.

Hardware Support

• Supported Devices	15
• Supported Power Supplies.....	16
• Supported Optics.....	16

Supported Devices

The following devices are supported in FastIron release 10.0.10a.

- 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 supports the following scaling numbers as the first phase in hardening and RUCKUS One streaming optimization.

- ICX 7500 devices: No change
- 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.

Hardware Support

Supported Power Supplies

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.....	17
• PoE Firmware Files.....	17
• Open Source and Third Party Code.....	18

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	GZR10010aufi.bin
ICX 7650	TNR10010aufi.bin
ICX 7850	TNR10010aufi.bin
ICX 8200	RDR10010aufi.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.

Upgrade Information

Open Source and Third Party Code

NOTE

Please note the following recommendations and notices:

- Inline power is enabled by default as of FastIron release 08.0.70.
- As of FastIron release 08.0.70 **legacy-inline-power** configuration is disabled by default.
- Data link operation is decoupled from inline power by default as of FastIron release 08.0.70.
- Use the **[no] inline power** command to enable and disable POE on one or a range of ports.
- Data link operation is coupled with inline power using the command **inline power ethernet x/x/x 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 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	Yes
Uwsgi - szagent	
curl - szagent	
zlib - szagent	
libxml - szagent	
flask_package - webui	Yes
node_module - webui	
openssl - webui	
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	Yes
ISC - DHCPv4 server client	
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 8200-24FX 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 scaling is limited to 8,000.

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

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 10.0.10a

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

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

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

Known Issues in Release 10.0.10a

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

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

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

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

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

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

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

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

Known Issues in Release 10.0.10a

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	

Known Issues in Release 10.0.10a

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	

Known Issues in Release 10.0.10a

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	

Known Issues in Release 10.0.10a

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

Known Issues in Release 10.0.10a

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	<p>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.</p> <p>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.</p>
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 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	

Known Issues in Release 10.0.10

Issue	FI-273544
Symptom	Un-expected reload during longevity test with L2, L3, ARP , PBR , multicast traffic.
Condition	Run L2, L3, ARP , PBR , multicast. Traffic over default and non-default vrf's 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	

Known Issues in Release 10.0.10

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	Standby 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 10.0.10a

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

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



© 2023 CommScope, Inc. All rights reserved.
350 West Java Dr., Sunnyvale, CA 94089 USA
<https://www.commscope.com>