RUCKUS SmartZone (LT-GD) Patch2 Release Notes, 6.1.2

Supporting SmartZone 6.1.2 Patch2 on build number 6.1.2.0.441

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Contents

Document History

Revision Number	Summary of Changes	Publication Date
A	Initial *Release Notes*	11, April 2024

Hardware and Software Support

Overview

This section provides release information about SmartZone 300 (SZ300), SmartZone 100 (SZ100), Virtual SmartZone (vSZ), Virtual SmartZone Data Plane (vSZ-D), SmartZone Data Plane appliance (SZ100-D), SmartZone 144 (SZ-144), SmartZone 144 Data Plane appliance (SZ144-D) and Access Point features.

- The SZ300 RUCKUS Networks flagship, large-scale WLAN controller is designed for Service Provider and large Enterprises which prefer to use appliances. The carrier grade platform supports N+1 Active/Active clustering, comprehensive integrated management functionality, high-performance operations and flexibility to address many different implementation scenarios.

- The SZ100, Enterprise, is the next-generation midrange, rack-mountable WLAN controller platform for the Enterprise and Service Provider markets. There are two SZ100 models: the SZ104 and the SZ124.

- The SZ144 is the second-generation mid-range rack-mountable WLAN controller platform developed for the Enterprise and Service Provider markets. The SZ144 is functionally equivalent to the vSZ-E virtual controller product. SZ144 was first introduced in software release 5.2.1. Release 5.2.1 is the minimum firmware that can be run on the SZ144.

- The vSZ, which is available in *High Scale* and *Essentials* versions, is a Network Functions Virtualization (NFV)-based WLAN controller for Service Providers and Enterprises that desire a carrier-class solution that runs in the cloud. It supports all of the WLAN controller features of the industry, while also enabling the rollout of highly scalable and resilient wireless LAN cloud services.

- The vSZ-D is a Virtual Data Plane aggregation appliance that is managed by the vSZ that offers organizations more flexibility in deploying a NFV aligned architecture. Deploying vSZ-D offers secured tunneling of wireless client data traffic that encrypts payload traffic, POS data traffic for PCI compliance, voice applications while enabling flat network topology, mobility across L2 subnets, and add-on services like L3 Roaming, Flexi-VPN, DHCP Server/NAT as well as CALEA/Lawful Intercept.

- The SZ100-D is a Data Plane hardware appliance, which is functionally equivalent to the vSZ-D virtual data plane product. The appliance provides turnkey deployment capabilities for customers who need a hardware appliance. The SZ100-D is managed by a vSZ Controller only and cannot work in a standalone mode.

- The SZ144-D is the second-generation Data Plane hardware appliance which is functionally equivalent to the vSZ-D virtual Data Plane. The appliance provides turnkey deployment capabilities for customers who need a hardware appliance. The SZ144-D is managed by a vSZ Controller only and cannot work in a standalone mode.

Release Information

This SmartZone release is a Long Term (LT) release. This section lists the version of each component in this release.

> **ATTENTION**
> It is recommended to upgrade the vSZ before updating the data plane version because if the data plane version is higher than the controller vSZ version, then data plane cannot be managed by the vSZ platform.

ATTENTION

Upgrade from release 5.2.2.0.1562 to 6.1.2.0.441 requires a patch to be installed first. Please refer to https://
support.ruckuswireless.com/documents/4223 for details.

ATTENTION

For Network Segmentation:

- Ensure that all ICX switches are upgraded to firmware version 09.0.10d (or any 09.0.10 patches that may become available after 09.0.10d) or version 10.0.10a (or any 10.0.10 patches that may become available after 10.0.10a).

SZ300

- Controller Version: **6.1.2.0.441**
- Control Plane Software Version: **6.1.2.0.222**
- Data Plane Software Version: **6.1.2.0.441**
- AP Firmware Version: **6.1.2.0.1309**

SZ144

- Controller Version: **6.1.2.0.441**
- Control Plane Software Version: **6.1.2.0.222**
- Data Plane Software Version: **6.1.2.0.21**
- AP Firmware Version:**6.1.2.0.1309**

SZ100/SZ124/SZ104

- Controller Version: **6.1.2.0.441**
- Control Plane Software Version: **6.1.2.0.222**
- Data Plane Software Version: **6.1.2.0.21**
- AP Firmware Version:**6.1.2.0.1309**

vSZ-H and vSZ-E

- Controller Version: **6.1.2.0.441**
- Control Plane Software Version: **6.1.2.0.222**
- AP Firmware Version:**6.1.2.0.1309**

vDP

- Data Plane Software Version: **6.1.2.0.441**

ICX Models

- Supported ICX Firmware: **10.0.10c and 09.0.10j and subsequent patches**

OpenSSH Version

- Starting from SmartZone R6.1.2 Patch 2, the OpenSSH version on APs is updated to *OpenSSH_ 9.3p2*.

Supported Matrix and Unsupported Models

Before upgrading to this release, check if the controller is currently managing APs, Switches or IoT devices.

APs preconfigured with the SmartZone AP firmware may be used with SZ300, SZ100, or vSZ in their native default configuration. APs factory-configured with the ZoneFlex-AP firmware may be used with the controller when LWAPP discovery services are enabled.

LWAPP2SCG must be disabled on the controller if Solo APs running 104.x are being moved under controller management. To disable the LWAPP2SCG service on the controller, log on to the CLI, and then go to **enable** > **mode** > **config** > **lwapp2scg** > **policy deny-all**. Enter **Yes** to save your changes.

> **NOTE**
> Solo APs running releases 104.x or higher are capable of connecting to both Zone Director and SmartZone platforms. If an AP is running release 104.x or later and the LWAPP2SCG service is enabled on the controller, a race condition will occur.

> **IMPORTANT**
> **AP PoE power modes**: AP features may be limited depending on power provided via PoE. Refer to AP datasheets for more information.

Supported AP Models

This release supports the following RUCKUS AP models.

> **ATTENTION**
> AP R310 is a Wave 1 device but it supports WPA3, which is an exception. The other APs that support WPA3 are either 802.11ac Wave 2 or 802.11ax.

TABLE 1 Supported AP Models

11ax		11ac-Wave2		11ac-Wave1
Indoor	**Outdoor**	**Indoor**	**Outdoor**	**Indoor**
R850	T750SE	R720	T811CM	R310
R760	T750	R710	T710S	
R750	T350SE	R610	T710	
R650	T350D	R510	T610S	
R560	T350C	R320	T610	
R550		M510	T310S	
R350		H510	T310N	
R350e		H320	T310D	
H550		C110	T310C	
H350			T305I	
			T305E	
			E510	

The following table lists the supported AP models in this SmartZone release when placed in an AP Zone that uses an older AP

version. **TABLE 2** Supported AP Models for AP Zones using older AP versions

11ax	11n	11ac-Wave1
R730	ZF7982	T504
	ZF7782-S	T300 or T301
	ZF7782-E	R700
	ZF7782	R600
	ZF7781CM	R500
	ZF7372-E	H500
	ZF7372	C500
	ZF7352	
	ZF7055	
	R300	

Unsupported AP Models

The following lists the AP models have reached end-of-life (EoL) status and, therefore, are no longer supported in this release.

TABLE 3 Unsupported AP Models

Unsupported AP Models				
SC8800-S	SC8800-S-AC	ZF2741	ZF2741-EXT	ZF2942
ZF7025	ZF7321	ZF7321-U	ZF7341	ZF7343
ZF7343-U	ZF7351	ZF7351-U	ZF7363	ZF7363-U
ZF7441	ZF7761-CM	ZF7762	ZF7762-AC	ZF7762-S
ZF7762-S-AC	ZF7762-T	ZF7962		

Supported ICX Models

The following ICX switch models can be managed from SmartZone:

TABLE 4 ICX Firmware Versions Compatible with SmartZone

ICX Model	First Supported FastIron Release	Last Supported FastIron Release
ICX 7150	08.0.80a	09.0.10a and subsequent patches
ICX 7150-C08P, -C08PT, -24F, -10ZP	08.0.92	09.0.10a and subsequent patches
ICX 7250	08.0.80a	09.0.10a and subsequent patches
ICX 7450	08.0.80a	09.0.10a and subsequent patches
ICX 7550	08.0.95a	-
ICX 7650	08.0.80a	-
ICX 7750	08.0.80a	08.0.95 and subsequent patches
ICX 7850	08.0.90	-
ICX 7850-48C	09.0.10a	-
ICX 8200	10.0.00	-
ICX 8200-24ZP, -48ZP2, -24FX, -24F, -48F, -C08ZP	10.0.10	-

The following table defines ICX and SmartZone release compatibility.

NOTE

ICX switches must be running FastIron 08.0.80a at a minimum to connect to SmartZone. An ICX switch running unsupported firmware can still connect to the SmartZone controller. After the switch is connected, you must upgrade it to a firmware version that is compatible with the SmartZone controller version. This can be achieved using the switch firmware upgrade option in the Switch Group or by selecting one or more switches and performing the upgrade.

NOTE

FastIron 09.0.10a and later releases support management by SmartZone 6.1 and later.

NOTE

ICX switches with FIPS mode enabled do not support management by SmartZone.

TABLE 5 ICX and SmartZone Release Compatibility Matrix

	SmartZone 5.1[1]	SmartZone 5.1.1	SmartZone 5.1.2	SmartZone 5.2	SmartZone 5.2.1 / 5.2.2	SmartZone 6.0	SmartZone 6.1	SmartZone 6.1.1	SmartZone 6.1.2
FastIron 08.0.80	Yes	Yes[1]	No	No	No	No	No	No	No
FastIron 08.0.90a	No	Yes	Yes	Yes	Yes	Yes	No	No	No
FastIron 08.0.91	No	Yes	Yes	Yes	No	No	No	No	No
FastIron 08.0.92	No	No	Yes	Yes	Yes	Yes	Yes	No	No
FastIron 08.0.95 and subsequent patches	No	No	No	No	No	Yes	Yes	Yes	Yes
FastIron 09.0.10a and subsequent patches	No	No	No	No	No	No	Yes	Yes	Yes
FastIron 10.0.00 and subsequent patches	No	No	No	No	No	No	No	Yes	Yes
FastIron 10.0.10 and subsequent patches	No	No	No	No	No	No	Yes	Yes	Yes

The following table provides details on switch management feature compatibility between ICX and SmartZone releases.

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[1] Does not support ICX configuration.

TABLE 6 Switch Management Feature Compatibility Matrix

Feature	SmartZone Release	ICX FastIron Release
Switch Registration	5.0 and later	08.0.80 and later
Switch Inventory	5.0 and later	08.0.80 and later
Switch Health and Performance Monitoring	5.0 and later	08.0.80 and later
Switch Firmware Upgrade	5.0 and later	08.0.80 and later
Switch Configuration File Backup and Restore	5.0 and later	08.0.80 and later
Client Troubleshooting: Search by Client MAC Address	5.1 and later	08.0.80 and later
Remote Ping and Traceroute	5.1 and later	08.0.80 and later
Switch Custom Events	5.1 and later	08.0.80 and later
Remote CLI Change	5.2.1 and later	08.0.90 and later
Switch Configuration: Zero-Touch Provisioning	5.1.1 and later	08.0.90a and later
Switch-specific Settings: Hostname, Jumbo Mode, IGMP Snooping, and DHCP Server	5.1.1 and later	08.0.90a and later
Switch Port Configuration	5.1.1 and later	08.0.90a and later
Switch AAA Configuration	5.1.1 and later	08.0.90a and later
Switch Client Visibility	5.1.2 and later	08.0.90a and later
Manage Switches from Default Group in SZ-100 / vSZ-E	5.1.2 and later	08.0.90a and later
DNS-based SmartZone Discovery	5.1.2 and later	08.0.95c and later
Download Syslogs for a Selected Switch[2]	5.2.1 and later	08.0.92 and later
Switch Topology	5.2 and later	08.0.92 and later
Designate a VLAN as Management VLAN	5.2.1 and later	08.0.92 and later[3]
Change Default VLAN	5.2.1 and later	08.0.95 and later
Configure the PoE Budget per Port on ICX through the Controller GUI with 1W Granularity	5.2.1 and later	08.0.95 and later
Configuring Protected Ports	5.2.1 and later	08.0.95 and later
Configuring QoS	5.2.1 and later	08.0.95 and later
Configuring Syslog	5.2.1 and later	08.0.95 and later
Geo Redundancy Active-Standby Mode	6.0 and later	08.0.95b and later
Generic CLI Configuration	6.0 and later	08.0.95b and later
Port-Level Override	6.0 and later	08.0.95b and later
Port-Level Storm Control Configuration	6.1 and later	08.0.95 and later
IPv6 Support (connection through static configuration only)	6.1 and later	09.0.10a and later
Save Boot Preference	6.1 and later	09.0.10a and later
Virtual Cable Testing	6.1 and later	09.0.10a and later
Blink LEDs	6.1 and later	09.0.10a and later
Send Event Email Notifications at Tenant Level	6.1 and later	09.0.10a and later

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[2] To download system logs from SmartZone for a particular ICX switch, TFTP must be enabled.
[3] FastIron 10.0.00 and later releases do not support management VLANs.

TABLE 6 Switch Management Feature Compatibility Matrix (continued)

Feature	SmartZone Release	ICX FastIron Release
Update the status of a Switch	6.1 and later	09.0.10a and later
Convert Standalone Switch	6.1 and later	09.0.10a and later
Flexible Authentication Configuration	6.1 and later	09.0.10a and later
Network Segmentation	6.1.1 and later	09.0.10d and later[4]

Supported IoT Release

This release supports IoT Controller release 2.2.0.0.

This release is compatible with the following controller and access point hardware and software.

Compatible Hardware

The following lists the Access Points modules compatible with IoT.

- T750SE
- T750
- T610
- T350D
- T310d
- R850
- R760
- R750
- R730
- R720
- R710
- R650
- R610
- R560
- R550
- R510
- R350
- M510
- H550
- H510
- H350
- E510

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[4] As an exception, FastIron release 10.0.00 does not support this feature.

- C110

Compatible Software

- Virtual SmartZone – High Scale (vSZ-H)
- Virtual SmartZone – Essentials (vSZ-E)
- SmartZone 100 (SZ100)
- RUCKUS IoT Controller (RIoT)

The following table lists the supported IoT end devices.

> **NOTE**
> Multiple other devices may work with this release but they have not been validated.

Bulbs Devices

TABLE 7 List of Bulbs Devices

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Lightify (RGB) Model 73674	Bulb	Zigbee	Osram	OSRAM	LIGHTFY A19 RGBW
Lightify Model 73693	Bulb	Zigbee	Osram	OSRAM	LIGHTIFY A19 Tunable White45856
Lightify Model 73824	Bulb	Zigbee	Osram	OSRAM	
Element Color Plus	Bulb	Zigbee	Sengled	sengled	E11-N1EA
Bulb - LED	Bulb	Zigbee	Sengled	sengled	Z01-A19NAE26
E11-G13	Bulb	Zigbee	Sengled	sengled	E11-G13
Lux	Bulb	Zigbee	Philips	Philips	LWB004
SLV E27 Lamp Valeto (Zigbee 3.0)	Bulb	Zigbee 3.0	SLV		
Bulb	Bulb	Zigbee	Aduro SMART ERIA		
Bulb	Bulb	Zigbee	Cree		BA19-08027OMF-12CE26-1C100
Hue	Bulb	Zigbee	Philips	Hue White	840 Lumens

Locks Devices

TABLE 8 List of Locks Devices

Device	Type	Model	Manufacturer	Basic Name	Basic Model
Vingcard Signature	Lock	Zigbee	Assa-Abloy	AA_LOCK	
Vingcard Essence	Lock	Zigbee	Assa-Abloy	AA_LOCK	
RT+	Lock	Zigbee	Dormakaba	Dormakaba	79PS01011ER-626
Yale YRD220/240 TSDB Display	Lock	Zigbee	Assa-Abloy	Yale	Yale YRD220/240 TSDB
Yale YRD210 Push Button	Lock	Zigbee	Assa-Abloy	Yale	YRD210 Push
Smartcode 916	Lock	Zigbee	Kwikset	Kwikset	SMARTCODE_DEADBOLT _10T
Smartcode 910 (450201)	Lock	Zigbee	Kwikset	Kwikset	

Switches/Plugs/Thermostat/Alarm/Blinds Devices

TABLE 9 List of Switches/Plugs/Thermostat/Alarm/Blinds Devices

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
GE Smart Dimmer	Switch	Zigbee	GE	Jasco Products	45857
GE Smart Dimmer	Switch	Zigbee	GE	Jasco Products	45856
Smart Plug	Plug	Zigbee	CentraLite	CentraLite	
Smart Plug	Plug	Zigbee	Smart things	Samjin	
Smart Plug	Plug	Zigbee	INNR		
Zen Thermostat	Thermostat	Zigbee	Zen Within	Zen Within	Zen-01
EcoInsight Plus	Thermostat	Zigbee	Telkonet	Telkonet	
ZBALRM	Alarm	Zigbee	Smartenit		Model #1021 A
Smart Blinds	Blinds	Zigbee	Axis Gear		
UEI Thermostat	Thermostat	Zigbee	UEI		TBH300ZBSN

Sensors Devices

TABLE 10 List of Sensor Devices

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Garage Door Tilt Sensor	Sensor	Zigbee	NYCE	NYCE	NCZ-3014-HA
Curtain Motion Sensor	Sensor	Zigbee	NYCE	NYCE	NCZ-3045-HA
Door / Window Sensor	Sensor	Zigbee	NYCE	NYCE	NCZ-3011-HA
Temperature and Humidity Sensor	Sensor	Zigbee	Aqara	LUMI	WSDCGQ11LM
Motion Sensor	Sensor	Zigbee	Aqara	LUMI	RTCGQ11LM
ERIA Smart Door/ Window Sensor	Sensor	Zigbee	AduroSMART ERIA	ADUROLIGHT	81822
ERIA Smart Motion Sensor	Sensor	Zigbee	AduroSMART ERIA	ADUROLIGHT	81823
Multipurpose Sensor	Sensor	Zigbee	Smart things	Samjin	IM6001-MPP01
Button	Sensor	Zigbee	Smart things	Samjin	IM6001-WLP01
Motion Sensor	Sensor	Zigbee	Smart things	Samjin	IM6001-MTP01
Water Leak Sensor	Sensor	Zigbee	Smart things	Samjin	IM6001-BTP01
EcoSense Plus	Sensor	Zigbee	Telkonet	Telkonet	SS6205-W
EcoContact Plus	Sensor	Zigbee	Telkonet		SS6255-W
Temp, Humidity Sensor	Sensor	Zigbee	Heiman	HEIMAN	HS1HT-N
Gas detector	Sensor	Zigbee	Heiman	HEIMAN	HS3CG
Contact Sensor/Door Sensor	Sensor	Zigbee	CentraLite	CentraLite	3300-G
3-Series Motion Sensor	Sensor	Zigbee	CentraLite	CentraLite	3305-G
Temperature Sensor	Sensor	Zigbee	CentraLite	CentraLite	3310-G
3-Series Micro Door Sensor	Sensor	Zigbee	CentraLite	CentraLite	3323-G
Door Sensor	Sensor	Zigbee	Ecolink	Ecolink	4655BC0-R
Temp & Humidity Sensor	Sensor	Zigbee	Sonoff	Sonoff	SNZB-02

TABLE 10 List of Sensor Devices (continued)

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Celling Motion Sensor	Sensor	Zigbee	NYCE	NYCE	NCZ-3043-HA
Ecolink Flood Detection Sensor	Sensor	Zigbee	Ecolink	Ecolink	FLZB1-ECO

BLE Devices

TABLE 11 List of BLE Devices

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Panic Button	Beacon	BLE	TraknProtect		
Tray Beacon	Beacon	BLE	TraknProtect		
Asset Beacon	Beacon	BLE	TraknProtect		
Card Beacon	Beacon	BLE	TraknProtect		
Card Tag	Beacon	BLE	Kontakt.io		CT18-3
Beacon Pro	Beacon	BLE	Kontakt.io		BP16-3
Asset Tag	Beacon	BLE	Kontakt.io		S18-3

Wired Devices

TABLE 12 List of Wired Devices

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Vape/Sound Sensor	Sensor	Wired	Soter	-	FlySense

Device not Tested but Supported

TABLE 13 List of Devices not Tested but Supported

Device	Type	Mode	Manufacturer	Basic Name	Basic Model
Vingcard	Sigma	Lock	Zigbee	Assa-Abloy	AA_LOCK
Vingcard	Alpha	Lock	Zigbee	Assa-Abloy	AA_LOCK
Vingcard	Classic		Zigbee	Assa-Abloy	AA_LOCK
Vingcard	Allure		Zigbee	Assa-Abloy	AA_LOCK

Known Issues

Following is the known issues in this release.

Component/s	AP
Issue	ER-13521
Description	R760 or 802.11ax AP models experience approximately a 90% decrease in throughput when processing *Remote Packet Captures*.
Workaround	It is recommended to promptly disable *Remote Packet Capture* on the APs (through the UI or CLI) after the captures are collected.

Changed Behavior

The following are the changed behavior issues in this release.

Component/s	AP
Issue	SCG-152140
Description	Starting from SmartZone R6.1.2 Patch2 and onwards, there is a change to Channelfly and 40 MHz channelization as default. It sets the default configuration for all radios to use Channelfly. It also sets the default Channel width on 5GHz radio to 40 MHz instead of 80 MHz.

Resolved Issues with Code Changes in AP Firmware 6.1.2.1309

The following are the resolved issues in this release.

Component/s	AP
Issue	ER-11845
Description	New AP CLI commands is introduced to deactivate certain 802.11ax multi-user functionalities that were triggering packet drops on particular clients. Example of new AP CLI to disable MU-related features: ``` set dl-ofdma-bf wlan64 0 set dl-ofdma wlan64 0 set ul-ofdma wlan64 0 set disable-mumimo wifi2 1 set ul_mu_mimo wlan64 0 set mubfer_he wlan64 0 set mubfer_vht wlan64 0 set subfer_he wlan64 0 set subfer_vht wlan64 0 set dbg_trigger_type_cmd wlan64 0 set bsr_trigger_cmd wlan64 0 ```

Component/s	AP
Issue	ER-12682
Description	Controller web UI failed to load with LACP (Link Aggregation Control Protocol) enabled on the AP (R550) when the AP and Client VLAN are different. Resolved a packet drop issue in NSS (Network Security Services) offload in LACP.

Component/s	AP
Issue	ER-12709
Description	Resolved a target assert.

Component/s	AP
Issue	ER-12829
Description	Resolved an AP out of memory issue.

Component/s	AP
Issue	ER-12844
Description	Resolved an issue of AP update OWE-Transition WLAN failure.

Component/s	AP
Issue	ER-12878
Description	Resolved an AP upgrade failure issue.

Component/s	AP
Issue	ER-12928

Resolved Issues with Code Changes in AP Firmware 6.1.2.1309

Component/s	AP
Description	Resolved a controller high stemming issue caused by the optimization of AP dynamic packet capture feature.

Component/s	AP
Issue	ER-12957, ER-13169, ER-13307
Description	Resolved an AP kernel panic issue.

Component/s	AP
Issue	ER-12964
Description	Synchronized AP patches on the standby cluster can be viewed by navigating to **Administration** > **System** > **System Information** on the controller web user interface.

Component/s	AP
Issue	ER-13292
Description	An out-of-memory issue occurred on low-memory (1Ghz) 802.11ax APs.

Component/s	AP
Issue	ER-12607
Description	The AP statistics and status displayed in the controller web user interface was inaccurate.

Component/s	AP
Issue	ER-12672
Description	The transmit power (Tx) was incorrectly configured when 802.3af Power over Ethernet (PoE) mode was enabled on 802.11ax APs.

Component/s	AP
Issue	ER-12893
Description	AP experienced connectivity issues went offline when relocated to a Zone with a configured Management VLAN and port profile.

Component/s	AP
Issue	ER-13039
Description	Resolved VOIP disrupted calls.

Component/s	AP
Issue	ER-13049
Description	Updating the configuration of legacy firmware APs failed when attempting to set to auto mode for 5GHz channelization for certain country codes.

Component/s	AP
Issue	ER-13093

Component/s	AP
Description	RADIUS process failed when the DNS server did not respond to the query, particularly in scenarios where the authentication server was configured with a Fully Qualified Domain Name (FQDN).

Component/s	AP
Issue	ER-13108
Description	Resolved an issue of typographical errors and grammatical mistakes in the Guest Access Self Registration page.

Component/s	AP
Issue	ER-13246
Description	802.11ax APs reported invalid LBS (Location-Based Services) visitors to the vSPoT server.

Component/s	AP
Issue	ER-13286
Description	Resolved an issue of client inactivity timeout feature on the 802.11ax driver.

Component/s	AP
Issue	ER-13219
Description	Resolved a VOIP call quality issue.

Component/s	AP
Issue	ER-13301
Description	AP device name was configured from DHCP Option 12, despite being disabled when connected to the controller.

Component/s	AP
Issue	ER-13314
Description	AP failed to detect specific versions of ChromeOS.

Component/s	AP
Issue	ER-13350
Description	Fixed the client connection failure in MAC address authentication and PSK WLAN due to additional 4-way handshake after a successful authentication.

Component/s	AP
Issue	ER-13423
Description	Enabled U-NII-2C band DFC channels for Chile country code CL on 802.11 ac AP.

Component/s	AP
Issue	ER-13430
Description	The fix resolves a high CPU issue caused by cpd stuck at run state.

Resolved Issues with Code Changes in AP Firmware 6.1.2.1309

Component/s	Control Plane
Issue	ER-13062
Description	Resolved an issue where EAP restart by the client would cause incorrect EAP-Success and EAP-Failure counters and events.

Component/s	Control Plane
Issue	ER-13188
Description	Enhancement by validating the firmware version when configuring encrypted types through public IP address.

Component/s	RUCKUS AI
Issue	ER-12954
Description	User was unable to configure the radio channels using Public APIs.

Component/s	Switch Management
Issue	ER-12592
Description	Switch management deadlock issue that led to the failure of ICX models to join the controller and caused UI display failures.

Component/s	System
Issue	ER-13220
Description	The migration tool from controller to Zone Director failed to function properly.

Component/s	System
Issue	ER-13013
Description	Public API failed to show the Switch POE (Power over Ethernet) usage.

Component/s	System
Issue	ER-12586
Description	Resolved an issue impacting client connectivity.

Component/s	System
Issue	ER-12755
Description	Enhancement by enabling an option to disable image resizing when adding indoor maps to prevent image degradation.

Component/s	UI/UX
Issue	ER-13295
Description	APs with expired certificates failed to appear in the AP requests list on the controller user interface.

Component/s	UI/UX
Issue	ER-13154

Component/s	UI/UX
Description	Resolved an account security UI edit error.

Component/s	UI/UX
Issue	ER-13097
Description	Controller web user interface displayed only 43 out of 79 rules for rogue classification policy forms.

Component/s	UI/UX
Issue	ER-12576
Description	Resolved an issue where statistics failed to be displayed in vSZ controller dashboard due to file descriptor leak in SZ application, MsgDist.