RELEASE NOTES

Ruckus ZoneDirector 10.3.1 Refresh 2 Release Notes

Supporting ZoneDirector 10.3.1 Refresh 2

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Document History

Revision Number	Summary of changes	Publication date
A	Initial release notes	May 2020

Introduction

This document provides release information on ZoneDirector release 10.3.1, including new features, enhancements, known issues, caveats, workarounds, upgrade details and interoperability information for version 10.3.1.

NOTE

By downloading this software and subsequently upgrading the ZoneDirector and/or the AP to version 10.3.1, please be advised that:

- The ZoneDirector will periodically connect to Ruckus and Ruckus will collect the ZoneDirector serial number, software version and build number. Ruckus will transmit a file back to the ZoneDirector and this will be used to display the current status of the ZoneDirector Support Contract.
- The AP may send a query to Ruckus containing the AP's serial number. The purpose is to enable your AP to autonomously connect with a wireless LAN controller operated by your choice of cloud service provider. Ruckus may transmit back to the AP, the Fully Qualified Domain Name (FQDN) or IP address of the controller that the AP will subsequently attempt to join.

Please be advised that this information may be transferred and stored outside of your country of residence where data protection standards may be different.

New in This Release

This section lists the new features and changed behavior in this release.

New Access Points

- R750

  This release adds native support for the R750 802.11ax access point, previously only supported via new AP model patch in the 10.3 GA release.

  The Ruckus R750 is a dual-band 4x4:4 indoor Wi-Fi 6 (802.11ax) Access Point featuring one 2.5 Gbps Ethernet port that supports 802.3af/at Power Over Ethernet, one 1 Gbps (non-PoE) Ethernet port, onboard BLE/ZigBee, and a USB port for IoT applications.

New Features

- None

Changed Behavior

- None

Hardware and Software Support

Supported Platforms

ZoneDirector firmware version **10.3.1.0.42** supports the following ZoneDirector models:

- ZoneDirector 1200

Supported Access Points

ZoneDirector version **10.3.1.0.42** supports the following Ruckus Access Point models:

Indoor AP	Outdoor AP
C110	T300
E510	T300e
H320	T301n
H510	T301s
R310	T310c
R320	T310d
R500	T310n
R510	T310s
R600	T610
R610	T610s
R700	T710
R710	T710s
R720	
R730	
R750*	

NOTE
R750 is new in this release.

Upgrade Information

Supported Upgrade Paths

The following ZoneDirector release builds can be directly upgraded to this release:

- 10.1.0.0.1515 (10.1 GA)
- 10.1.1.0.26 (10.1 MR1)
- 10.1.1.0.35 (10.1 MR1 Refresh 1)
- 10.1.1.0.42 (10.1 MR1 Refresh 2)
- 10.1.1.0.55 (10.1 MR1 Refresh 3)
- 10.1.1.0.79 (10.1 MR1 Refresh 4)

- 10.1.2.0.120 (10.1 MR2)
- 10.1.2.0.210 (10.1 MR2 Refresh 1)
- 10.1.2.0.251 (10.1 MR2 Refresh 2)
- 10.1.2.0.270 (10.1 MR2 Refresh 3)
- 10.1.2.0.275 (10.1 MR2 Refresh 4)
- 10.1.2.0.277 (10.1 MR2 Refresh 5)
- 10.1.2.0.306 (10.1 MR2 Refresh 6)
- 10.2.0.0.189 (10.2 GA)
- 10.2.1.0.75 (10.2 MR1)
- 10.2.1.0.79 (10.2 MR1 Patch1)
- 10.2.1.0.129 (10.2 MR1 Refresh 1)
- 10.2.1.0.135 (10.2 MR1 Refresh 2)
- 10.2.1.0.147 (10.2 MR1 Refresh 3)
- 10.2.1.0.159 (10.2 MR1 Refresh 4)
- 10.2.1.0.183 (10.2 MR1 Refresh 5)
- 10.3.0.0.362 (10.3 GA)
- 10.3.0.0.398 (10.3 GA Refresh 1)
- 10.3.1.0.21 (10.3 MR1)
- 10.3.1.0.24 (10.3 MR1 Refresh1)

If you are running an earlier version, you must upgrade ZoneDirector to one of the above builds before upgrading to this release.

If you do not have a valid Support Entitlement contract, you will be unable to upgrade ZoneDirector to this release. See the *Administer > Support* page for information on Support Entitlement activation.

NOTE
For information and detailed instructions (including video tutorials) on upgrading ZoneDirector, visit the Ruckus Support How-To Hub at *https://support.ruckuswireless.com/how-to-hub*.

Known Issues

This sections lists the caveats, limitations and known issues in this release.

Issue	None
Description	None

Resolved Issues

This section lists the issues that have been resolved in this release.

Resolved Issues in Build 10.3.1.0.42

- Resolved several security issues related to UI vulnerabilities. For security incidents and responses, see *www.ruckuswireless.com/security*.

- Resolved an issue where "Join another Controller" would not work properly for migrating a ZoneDirector AP to SmartZone/Cloud AP. [ER-7730]
- Resolved an issue where the "Directed-Multicast" setting would not persist on the WLAN and Ethernet interfaces on APs. [ER-7600]
- Resolved an issue where the reported MAC address and other content was inaccurate in packets sent from the AP to the Aeroscout server. [ER-7937/ER-8161]
- Resolved a Kernel Panic issue on R730 APs. [ER-7896]
- Resolved an issue that could cause R730 APs to unexpectedly reboot due to watchdog timeout. [ER-7870]
- Resolved a soft lockup issue on R730 AP. [ER-7736]
- Resolved an issue where connection failure events would increase drastically in fast roaming cases. [ER-7920]
- Resolved an issue where AP will not return to static channel setting after DFS detection expire. [ER-7745]
- Resolved an issue where clients in sleep mode could not receive multicast/broadcast packets. [ER-8085]
- Resolved an issue that could cause APs to unexpectedly reboot due to target fail detected. [ER-7874]
- Resolved an issue where the temporary license for AP management was not deleted properly after a ZoneDirector factory reset . [ER-8046]
- Resolved an issue where the configured gateway for the management interface would not work properly on ZoneDirector. [ER-8053]
- Resolved an issue where accessing the "Access Point" page in the ZoneDirector web interface would fail due to special characters in rogue AP event messages. [ER-8082]
- Resolved an issue with false alarms reported for "URL filtering License file download fail". [ER-8192]
- Resolved an issue where accessing the ZoneDirector GUI would intermittently fail. [ER-8267/ER-8217/ER-8056]
- Resolved an issue with throughput performance in WPA/WAP2 WLANs. [ER-7956]

Resolved Issues in Build 10.3.1.0.24

- The SmartCell Insight management password is no longer visible on the ZoneDirector web interface. [ZF-21179]
- Resolved two security issues related to UI vulnerabilities. For security incidents and responses, see www.ruckuswireless.com/security.

Resolved Issues in Build 10.3.1.0.21

- Resolved an issue where clients might intermittently fail to obtain a DHCP IP address. [ER-7665]
- Resolved an issue that could cause failure to configure an NTP server when the server name contains dashes. [ER-7843]
- Resolved an issue where CLI commands would not work properly for configuring auto channel selection algorithms. [ER-7846]
- Resolved an issue that could cause failure to configure an AP via the web interface. [ER-7834]
- Resolved an issue that could cause R730 Access Points to randomly reboot. [ER-7736]
- Resolved a ZoneDirector memory leak issue. [ER-7475]
- Resolved an issue where clients would fail to authenticate when tunnel MTU was configured to a value smaller than 1200. [ER-7568]
- Resolved an issue that could cause wireless clients fail to associate with R730 Access Points. [ER-7686]
- Resolved a Kernel panic issue on R730 Access Points. [ER-7702/ER-7674]
- Resolved an issue where the AP CLI command ''get scanresults" did not work properly. [ER-7630]
- Resolved an issue where client isolation did not work properly. [ER-7355]
- Resolved an issue where saved Access Point configurations could randomly become corrupted. [ER-7225]
- Resolved an issue where the Force DHCP feature did not work properly after client roaming or reconnect. [ER-7579]

- Resolved an issue where multicast traffic unexpectedly dropped for wireless clients associated with Open/None WLANs with tunnel mode enabled. [ER-7291]
- Resolved an issue that could cause APs to unexpectedly reboot with reason "reset button". [ER-7419]
- Resolved an issue where mesh APs would intermittently disconnect from root APs. [ER-7260]

Client Interoperability

ZoneDirector and Ruckus APs use standard protocols to interoperate with third-party Wi-Fi devices. Ruckus qualifies its functionality on the most common clients.

The following client operating systems and browsers have been tested for compatibility with this release (for specific OS and browser limitations, including compatibility with Zero-IT, see subsequent sections below).

PC OS

- Windows 7
- Windows 8
- Windows 8.1
- Windows 10
- Mac OS 10.9.5
- Mac OS 10.10
- Mac OS 10.11
- Mac OS 10.12
- Mac OS 10.13

Smartphone/Tablet OS

- iOS (6.1, 7.0, 7.1, 8.1, 8.4, 9.2, 9.3,10.0,10.2,10.3,11.1/2/3/4,12.0)
- Android (4.1.2, 4.2.2, 4.3, 4.4.2, 4.4.4, 5.0.1, 5.0.2, 5.1, 6.0, 7.0, 7.1.1, 8.0)
- Windows Phone (7, 8, 8.1, 10)
- BlackBerry OS (10, 10.3.2) not supported with Zero-IT
- Chrome OS (47.0, 49.0) not Supported with Zero-IT

Officially Supported Browsers

- Internet Explorer 10, 11
- Firefox 34 and later
- Chrome 39 and later

Not Officially Supported Browsers

Safari, Dolphin, Opera Mini, Android Default, BlackBerry Default, etc.

Zero-IT Compatibility with Client Devices

TABLE 1 Zero-IT Compatibility

	WPA2 WLAN			802.1x EAP (external Radius Server)		
OS	**Step 1**	**Step 2**	**Step 3**	**Step 1**	**Step 2**	**Step 3**
iOS 6.x	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 7.x	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 8.0	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 8.0.2	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 8.1	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 9.0	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 10 .0	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 10 .2	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 10 .3	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
iOS 11.x	Y (ZF-19663)	Y (ZF-19663)	N (ZF-2888)	Y (ZF-19663)	Y (ZF-19663)	N (ZF-2888)
iOS 12.0	Y	Y	N (ZF-2888)	Y	Y	N (ZF-2888)
MAC OS 10.8.5	Y	Y	Y	Y	Y	N (ZF-4699)
Mac OS 10.9.3	Y	Y	Y	Y	Y	N (ZF-4699)
MAC OS 10.9.4	Y	Y	Y	Y	Y	N (ZF-4699)
Mac OS 10.9.5	Y	Y	Y	Y	Y	N (ZF-4699)
Mac OS 10.10	Y	Y	Y	Y	Y	N (ZF-4699)
Mac OS 10.11	Y	Y	Y	Y	Y	N (ZF-4699)
Mac OS 10.12	Y	Y	Y	Y	Y	N (ZF-4699)
Mac OS 10.13	Y	Y	Y	Y	Y	N (ZF-4699)
Windows 7	Y	Y	Y	Y	Y	Y
Windows 8	Y	Y	Y	Y	Y	Y
Windows 8.1	Y	Y	Y	Y	Y	Y
Windows 10	Y	Y	Y	Y	Y	Y
Windows Phone 8	N (ZF-3478)	N (ZF-3478)	N (ZF-3478)	N (ZF-3478)	N (ZF-3478)	N (ZF-3478)
Windows Phone 8.1	N (ZF-3478)	N (ZF-3478)	N (ZF-3478)	N (ZF-3478)	N (ZF-3478)	N (ZF-3478)
BlackBerry OS 10.1	N (ZF-6402)	N (ZF-6402)	N (ZF-6402)	N (ZF-6402)	N (ZF-6402)	N (ZF-6402)
BlackBerry OS 10.3	N (ZF-6402)	N (ZF-6402)	N (ZF-6402)	N (ZF-6402)	N (ZF-6402)	N (ZF-6402)
Kindle 7.4.9	Y	Y	Y	Y	Y	Y
Android 4.0.4	Y	Y	Y	Y	Y	Y
Android 4.1.2	Y	Y	Y	Y	Y	Y
Android 4.4.4	Y	Y	Y	Y	Y	Y
Android 5.0	Y	Y	Y	Y	Y	Y
Android 6.0	Y (ZF-19664)	Y	Y	Y (ZF-19664)	Y	Y
Android 7.0	Y (ZF-19664)	Y	Y	Y (ZF-19664)	Y	Y
Android 7.1.1	Y (ZF-19664)	Y	Y	Y (ZF-19664)	Y	Y
Android 8.0	Y (ZF-19664)	Y	Y	Y (ZF-19664)	Y	Y
Chrome OS	N (ZF-8076)	N (ZF-8076)	N (ZF-8076)	N (ZF-8076)	N (ZF-8076)	N (ZF-8076)

- Step 1: Download Zero-IT file
- Step 2: Install Zero-IT script
- Step 3: Automatically connect to the appropriate SSID

Client Interoperability Known Issues

- Zero-IT is not supported on Windows Phone 7/8/8.1 devices. [ZF-3478]
- Zero-IT is not supported on Blackberry OS devices. [ZF-6402]
- Zero-IT is not supported on Chrome OS devices. [ZF-8076]
- iOS clients cannot connect to the Zero-IT WLAN automatically. Users must reconnect to the target WLAN after installing the Zero-IT configuration file. [ZF-2888]
- Mac OS 10.7 and 10.8 cannot automatically connect to an 802.1x EAP WLAN after installing Zero-IT script. [ZF-4699]
- In some situations, Chromebook clients can take up to 10-50 seconds to resume sending traffic after a channel change. [ZF-14883]

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