Ruckus Wireless™ ZoneDirector™ Version 9.13.1 Refresh

Release Notes

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About This Release

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Introduction

This document provides release information on ZoneDirector release 9.13.1, including new features, enhancements, known issues, caveats, workarounds, upgrade details and interoperability information for version 9.13.1.

NOTE: By downloading this software and subsequently upgrading the ZoneDirector and/or the AP to version 9.13.1, 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.

Supported Platforms and Upgrade Information

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Supported Platforms

ZoneDirector version **9.13.1.0.26** supports the following ZoneDirector models:

- ZoneDirector 1200
- ZoneDirector 3000
- ZoneDirector 5000

Access Points

ZoneDirector version **9.13.1.0.26** supports the following Access Point models:

- H500
- H510
- R300
- R310
- R500
- R510
- R600
- R700
- R710
- T300
- T300e
- T301n
- T301s
- T710
- T710s
- ZF7055
- ZF7352
- ZF7372

- ZF7372-E
- ZF7781CM
- ZF7782
- ZF7782-E
- ZF7782-N
- ZF7782-S
- ZF7982

EoS (End of Sale) APs

The following AP models have reached end-of-sale (EoS) status and, therefore, are no longer supported in this release. If your ZoneDirector is currently managing any of these models, a warning will appear when you attempt to upgrade.

If your ZoneDirector is currently managing any of these models, do NOT upgrade to this release. ZoneDirector will be unable to manage them.

- 7321
- 7321-U
- 7441
- 7761-CM
- 7762 series
- 7363
- 7343
- 7341
- sc8800-s
- sc8800-s-ac

Upgrading to This Version

This section lists important notes on upgrading ZoneDirector to this version.

Officially Supported 9.13.1 Upgrade Paths

The following ZoneDirector builds can be directly upgraded to ZoneDirector build 9.13.1.0.26:

- 9.10.0.0.218 (9.10 GA)
- 9.10.1.0.59 (9.10 MR1)
- 9.10.2.0.11 (9.10 MR2)
- 9.12.0.0.336 (9.12 GA)
- 9.12.1.0.140 (9.12 MR1)
- 9.12.1.0.148 (9.12 MR1 Refresh)
- 9.12.2.0.101 (9.12 MR2)
- 9.12.0.204 (9.12 MR2 patch)
- 9.12.2.0.219 (9.12 MR2 Refresh)
- 9.12.3.0.28 (9.12 MR3)
- 9.13.0.0.232 (9.13 GA)
- 9.13.1.0.11 (9.13 MR1)

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

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

Enhancements and Resolved Issues

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This section lists new features and enhancements that have been added in this release and resolved issues from previous releases.

New Access Points

- New Access Point: H510

  The H510 is an 802.11ac Wave 2 dual-band concurrent WiFi Wall Switch AP with integrated 5-port gigabit Ethernet, in a form factor designed for mounting to electrical outlet boxes. The H510 is targeted for hospitality applications, where it will be installed one per room for a typical hotel room.

  The H510 is the successor of the H500, the main difference being that the H510 brings the benefits of “Wave 2” 802.11ac to market, including MU-MIMO, and theoretical max speeds of up to 867 Mbps on the 5 GHz radio.

  The H510 provides similar coverage/range as the H500 – i.e., coverage for a single hotel room or suite. The switch ports can be used for in-room wired applications like IPTV and/or to provide a wired alternative for guest Internet access.

Enhancements

- Increased maximum WLAN Rate Limiting value from 50 to 200 Mbps. [ZF-15543]

Resolved Issues

- Resolved an issue where when WLAN 102 is deleted from the AP, then WLAN 100 would fail to report location data to SPoT. [ER-4201]
- Resolved an issue where Guest Access would redirect to ZoneDirector’s IP address instead of the FQDN after upgrading from 9.12 to 9.13. [ER-4317]
- Resolved an issue where the Performance graph would display incorrectly after the user adjusted the system time. [ER-4272]

Resolved Issues in Build 26

- Resolved an issue where clients could be able to ping an AP with client isolation enabled. [ER-4319]
- Provided new CLI commands to set Guest WLAN Login page redirection to use either HTTP or HTTPS. The default setting has been changed to HTTP, to avoid the need for users to have to manually start a browser to complete guest authentication. [ER-4393]

  The CLI command to use HTTPS redirection for Guest WLANs:

  ```
  ruckus(config)# guest-access-force-https-redirection
  ```

  The CLI command to use HTTP redirection for Guest WLANs:

  ```
  ruckus(config)# no guest-access-force-https-redirec-
  tion
  ```
- Resolved an issue that could cause R710 APs to reboot due to insufficient power input when operating in 802.3af mode. [SCG-55345]
- Resolved an issue related to MU-MIMO clients in a busy environment that could result in R710 reboots. [ER-3877]
- Resolved an issue with R710 APs with Dynamic VLAN enabled that could result in AP reboots after client roaming. [SCG-52899]
- Resolved an issue where clients would be unable to receive well-known multicast traffic when associating to a WLAN with Dynamic VLAN enabled. [ZF-15687]
- Resolved an issue with R710 APs that could cause the AP to reboot due to watchdog timeout. [ER-4239]
- Resolved an issue where duplicate entries in the proxy ARP existed for the same MAC address, which led to network interruption for some clients in certain situations. [ER-3166, ER-4417]
- Resolved an issue where inactive clients displayed on the client monitoring page would be cleared after refreshing the page when 24 hour time span was selected. [ER-4443]

Caveats, Limitations, and Known Issues

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

Known Issues

General

- H510 APs deployed as eMesh APs (Ethernet-Linked Mesh APs) may in some situations become disconnected from ZD due to an AP manager process failure. [ZF-15770]
- Deploying H510 APs as eMesh APs may result in unpredictable behavior. [ZF-15779]
- The 11ac radio on H510 APs is incorrectly displayed as 11an on ZoneDirector monitoring pages. [ZF-15814]
- ZD CLI output does not properly display the complete mesh topology for two-hop mesh configurations. [ZF-15686]
- SpeedFlex uplink measurements may be incorrect for Windows 7/XP clients. [ZF-15766]
- The Monitor > Wired Clients page may display the incorrect port number (displays LAN 4 when connected to LAN 3) for wired clients connected to H510 APs. [ZF-15740]
- Rate limiting values are always rounded up to the next supported increment, not down to the nearest increment. [ZF-15750]
- Clients connected to a WISPr Smart Client WLAN may fail to properly log out after clicking the Logout button when the client is behind NAT. [ZF-15785]

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