RELEASE NOTES

Ruckus IoT 1.1 MR1 (Patch) Release Notes

Supporting IoT Controller Release 1.1

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Overview

This document provides release information about Ruckus IoT Suite 1.1, a versatile system for managing IoT devices.

The Ruckus IoT Suite is a collection of network hardware and software infrastructure components used to create an IoT access network that is comprised of four elements:

1. Ruckus IoT-ready Access Points (APs)—existing ceiling-mount R510, wall-mount H510, and outdoor T310 will be the first set of APs to become IoT-ready.
2. Ruckus IoT Modules—A NEW device that attaches to a Ruckus IoT-ready AP and supports standards such as Bluetooth Low Energy (BLE), Zigbee, LoRa and more. Our first IoT Module, the I100, will support BLE and Zigbee within the same enclosure.
3. Ruckus SmartZone Controller—existing WLAN controller, which provides basic networking information for both the WLAN and the IoT access network.
4. Ruckus IoT Controller—A NEW virtual controller, deployed in tandem with a Ruckus SmartZone Controller, that performs connectivity, device, and security management functions behind the scenes for non-WiFi devices. Our IoT Controller also facilitates cross-solution endpoint communication and provides APIs for northbound integration with IoT cloud services.

This document provides a list of the release components, their versions, a link to documentation, as well as caveats, limitations, and known issues in this release.

Features

Ruckus IoT-1.1 MR1 Suite provides the following update:

BLE beaconing functionality supports unlimited number of iBeacon tags. It overcomes a previous limitation where the forwarding stopped for tags if there were more than 500 MAC addresses per beacon type.

Hardware and Software Compatibility

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

Compatible Hardware:

- R510 Access Point (R510)
- H510 Access Point (H510)
- T310 Access Point (T310)
- I100 IoT Module (I100)

Compatible Software:

- Virtual SmartZone High Scale (vSZ-H)
- Virtual SmartZone Essentials (vSZ-E)
- SmartZone 100 (sz-100)
- Ruckus IoT Controller (RIoT)

Release Information

This section lists the version of each component in this release.

vSCG (vSZ-H and vSZ-E), and SZ-100:

- WLAN Controller version: 3.6.1.2.12012
- Control plane software version in the WLAN Controller: 3.6.1.2.12000
- AP firmware version in the WLAN Controller: 3.6.1.2.12009

RIoT:

- Ruckus IoT Controller version: 1.1.0.0.6
- VMWare ESXi version: 5.5 and later
- VMWare VM Player version: 12 and later
- Oracle VirtualBox version: 5.1.20 and later
- Google Chrome version: 61 and later
- Mozilla Firefox version: 56 and later

Caveats, Limitations, and Known Issues

The following are the caveats, limitations, and known issues in this release.

Access Point with IoT Module I100

- 1806 - vriot-ops: Changing the lat/long in the VSZ is not applied immediately unless we restart the IOT process

  Workaround – restart the IoT service for the AP from IoT controller after changing the lat/long
- 1828 - ibeacon packets are sent delayed even if aggregation freq is 1000 ms

  Workaround – None
- 1829 - kontakt frames are not sent for long time when all 3 plugins are enabled leading to kontakt panel showing 0 beacons

  Workaround – Enable only one plugin at any time

Ruckus IoT Controller

- 1716 - source of truth for vlan conflicts with option 43

  Workaround – used IoT controller to configure VLAN ID and option 43 to configure IoT controller IP in the AP
- 1833 - upgrade from 1.0.0.0.25 to 1.1.0.0.5 failed. Stuck at upgrading vriot-authserver deb package

  Workaround – After upgrade if the IoT Controller is still in older version, reissue the upgrade again
- 1839 - IOTG_APPROVED command does't receive after APs are restored

  Workaround – If AP is factory reset wait for AP to come online in IoT Controller then unapproved the AP and Approve it again
- 1854 - Socket timeout observed on Supervisord.log when Invalid host name is configured.

  Workaround – Enter proper host name without special characters

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