

# RUCKUS LTE AP Management Release Notes, 20.01

Supporting Software Release 20.01

© 2020 CommScope, Inc. All rights reserved.

ARRIS, the ARRIS logo, COMMSCOPE, RUCKUS, RUCKUS WIRELESS, the Ruckus logo, and the Big Dog design are trademarks of CommScope, Inc. and/or its affiliates. Wi-Fi Alliance, Wi-Fi, the Wi-Fi logo, Wi-Fi Certified, the Wi-Fi CERTIFIED logo, Wi-Fi Protected Access, the Wi-Fi Protected Setup logo, Wi-Fi Protected Setup, Wi-Fi Multimedia and WPA2 and WMM are trademarks or registered trademarks of Wi-Fi Alliance. All other trademarks are the property of their respective owners.

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.

CommScope provides this content without warranty of any kind, implied or expressed, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose. CommScope may make improvements or changes in the products or services described in this content at any time. The capabilities, system requirements and/or compatibility with third-party products described herein are subject to change without notice.

# Contents

---

<b>Overview</b> .....	<b>4</b>
<b>LTE AP Management 20.01 Release Notes</b> .....	<b>4</b>
New in this Release.....	4
<b>Issues and Fixes</b> .....	<b>6</b>
Resolved Issues.....	6
Open Issues.....	6
<b>20.01 Mobile App Release Notes</b> .....	<b>7</b>
Version.....	7
Platforms.....	7
<b>Limitations</b> .....	<b>7</b>
Band Change.....	7
Adding AP After Deletion.....	7
CBSD- SAS Communication.....	7

# Overview

This release of Ruckus LTE AP Management has several new features including support for Q950 AP, SAS account for each venue, log scheduler, subscriber isolation, NTP status, alarm notification, user interface enhancements, and defect fixes.

## LTE AP Management 20.01 Release Notes

### New in this Release

#### Release Information

This section summarizes product information for the Ruckus LTE AP Management 20.01 release.

Product Name: Ruckus LTE AP Management

Release Version: 20.01\_LTE

Release available: 26 April 2020

- **Management Service:** Feature enhancements and defect fixes
- **Mobile Application:** Ruckus LTE Mobile App 20.01.

#### Server IP Addresses

Service	FQDN	Address	Protocol 1	Protocol 2	Protocol 3	Protocol 4
Qualcomm® Location (XTRA Predicted Satellite Data Service)	<a href="http://xtrapath1.izatcloud.net">xtrapath1.izatcloud.net</a>	Geo	TCP/80 HTTP			
Ruckus SC-Registrar	<a href="http://sc-registrar.ruckuswireless.com">sc-registrar.ruckuswireless.com</a>	34.211.175.172	ICMP Echo	TCP/443 SSL		
Ruckus SC-Registrar	<a href="http://sc-registrar.ruckuswireless.com">sc-registrar.ruckuswireless.com</a>	34.212.162.133	ICMP Echo	TCP/443 SSL		
CommScope SAS (STA)	<a href="https://stasas.sascms.net:8443">https://stasas.sascms.net:8443</a>	Geo	TCP/443 SSL			
CommScope SAS (Production)	<a href="https://cbsd-iot.sascms.net:8443">https://cbsd-iot.sascms.net:8443</a>	Geo	TCP/443 SSL			
Federated Wireless SAS	<a href="https://sc.federatedwireless.com:443/v1.2">https://sc.federatedwireless.com:443/v1.2</a>	Geo	TCP/443 SSL			
Google SAS (STA)	<a href="https://www.google-sas.com/vendor/">https://www.google-sas.com/vendor/</a>	Geo	TCP/443 SSL			
Google SAS (Production)	<a href="https://sas.goog/v1.2/">https://sas.goog/v1.2/</a>	Geo	TCP/443 SSL			
Ruckus NTP Server	<a href="http://ntp.cloud.ruckuswireless.com">ntp.cloud.ruckuswireless.com</a>	104.154.107.129	UDP/123 NTP			
Ruckus NTP Server	<a href="http://ntp.cloud.ruckuswireless.com">ntp.cloud.ruckuswireless.com</a>	146.148.32.216	UDP/123 NTP			
Ruckus Cloud HeMS SeGW 1	NA	104.197.44.198	ICMP Echo	UDP/500 IKE	ESP Protocol 50	UDP/4500 NAT-T
Ruckus Cloud HeMS SeGW 2	NA	35.225.228.188	ICMP Echo	UDP/500 IKE	ESP Protocol 50	UDP/4500 NAT-T
Ruckus Cloud HeMS SeGW 3	NA	35.202.152.35	ICMP Echo	UDP/500 IKE	ESP Protocol 50	UDP/4500 NAT-T
Ruckus Cloud HeMS SeGW 4	NA	35.232.65.10	ICMP Echo	UDP/500 IKE	ESP Protocol 50	UDP/4500 NAT-T

**NOTE**

This list does not contain a DNS server because the AP is using the customer DNS server and therefore doesn't require a special firewall rule.

**NOTE**

Geo = IP may change depending upon the geo-location. Please type "nslookup <FQDN>" on cmd/ Terminal prompt to detect the exact IP address.

**NOTE**

This list contains ports for IKE/EXP with or without NAT-T. This list does not contain an EPC SeGW; customer is using private EPC. Addresses marked "Geo" are using geographic DNS resolution and must be statically configured on the MEC DNS server.

**How Do I Get Support?**

For product support information and details on contacting the Ruckus Customer Services and the Support Team, go to the Ruckus Support portal: <https://support.ruckuswireless.com>, or <https://www.ruckuswireless.com> and select **Support**.

**Supported APs**

The following table lists the supported LTE APs in the current release.

**TABLE 1** Supported LTE APs

APs	Category	Property
<b>Q410</b>	Indoor	<ul style="list-style-type: none"> <li>• Plug-in LTE: Low power AP</li> <li>• Stand-alone or plugged with R510/R610 Wi-Fi AP models.</li> </ul> <p style="text-align: center;"><b>NOTE</b> Q410 always connects with PoE+ source only. Wi-Fi APs may derive power from "PoE out" port on Q410 when plugged-in.</p> <ul style="list-style-type: none"> <li>• Single RF Carrier, 2x2 @ 1/2 W EIRP</li> <li>• Ceiling or Wall mount</li> </ul>
<b>Q710</b>	Indoor	<ul style="list-style-type: none"> <li>• High-Capacity LTE</li> <li>• Dual RF Carrier 2x2 @ 1W EIRP</li> <li>• Ceiling or Wall mount</li> </ul>
<b>Q910</b>	Outdoor	<ul style="list-style-type: none"> <li>• Category A LTE</li> <li>• Dual RF Carrier 2x2 @ 1W EIRP</li> <li>• Pole, Wall, or Strand-mount</li> </ul>
<b>Q950</b>	Outdoor	<ul style="list-style-type: none"> <li>• High Power Outdoor</li> <li>• Category B CBSD</li> <li>• Up to 50/100W EIRP achievable with external antennas</li> <li>• 4T4R, 200Mbps (40MHz)</li> <li>• Fiber AND Ethernet w/daisy chaining</li> <li>• -48VDC</li> </ul>

## Feature List

The following sections lists new features for the LTE AP Management release.

The following are the and changed behavior.

- **Support for RSC Q950:** This is a new LTE AP high-power outdoor model, which can now provision from the LTE Cloud.
- **SAS Configuration per Venue:** This release introduces the option to configure SAS at the venue level. In the venue configuration, admin can choose which SAS configuration to apply, from a list of configurations, done at the Tenant level. The tenant level SAS account can be configured from **Administration - > SAS Accounts** tab.
- **Display NTP Status:** In the LTE 20.01 release, the NTP Status can be viewed under **AP List -> specific AP -> More -> NTP Status** **AP List -> specific AP -> More -> NTP Status**.

### NOTE

In Specific AP, there is **More** button and the **More** link (under the **AP Properties** section) and the **NTP Status** is displayed.

- **Notifications Enhancement:** In the **Notification** sub tab, under the **Administration** tab, customer can now configure for which alarms they would like to receive notification according to alarms the severity, namely critical, major, minor, warning, indeterminate, and informational.
- **Ruckus Cloud branding:** There new **Commscope Ruckus Cloud** logo for now appears the LTE user interface.
- **UI Enhancements**
  - AP List: A new column is added to show the Serial Number only. The **MAC Address** column is moved under the settings icon and its an optional column.
  - AP Builds: **AP Model's Build** tab, at venue level, available to all tenants.

## Issues and Fixes

### Resolved Issues

The following table provides information on the known issues in the current release.

Resolved Issues	Description
LTE-6291	After 90 days of license expiry, the tenant is not deleted.
LTE-6362	In certain cases, an alarm for the SAS registration failure is not reported.
LTE-6387	Alarm regarding available ECGIs does not appear.
LTE-6393	In some cases, an error appears when adding or deleting new AP.
LTE-6435	From the <b>Events</b> page, the <b>Export to CSV</b> action fails.
LTE-6469	A non-zero curl code (60,28) is returned from SCR even though an AP is added to the Cloud. After multiple retries, the connection is successful.

### Open Issues

Following is a list of unresolved issues in this release.

Resolved Issues	Description
LTE-5165	An unexpected technical error access denied appears while navigating for the AP view.

Resolved Issues	Description
LTE-5681	A deadlock is observed in the friendly Tech ACS engine.
LTE-6127	In certain corner cases, the available ECGI count shows lower than expected.
LTE-6441	RUCKUS Cloud Wi-Fi performance degradation occurs more than 5% with medium load.
LTE-6504	Not removing invalid e-mail addresses causes Amazon to lock our account
LTE-6840	User interface issues while Flexrae link is not available.

## 20.01 Mobile App Release Notes

There are no changes since 19.02 release of the Ruckus LTE Mobile App.

### Version

1.4.0

### Platforms

The Ruckus LTE Mobile App is an exciting mobile application since mobility itself is very central to our view of the future. Currently, the RUCKUS LTE Mobile App is available on the following platforms:

- iOS 9.0 or later
- Android 4.0 or later

## Limitations

### Band Change

#### NOTE

We are changing the default AP configuration to Band 48 (CBRS Band). You can check the band of operation for your AP by clicking on **AP** -> **AP Properties** -> **More**.

If your Venue was previously customized to operate on Band 42/43, and you want to continue to do so, do get in touch with your Ruckus Representative for help, or open a support case.

### Adding AP After Deletion

Following the deletion of AP from a Venue, you must wait for a few minutes before adding back to the Venue to prevent a scenario where the delete operation is not completed prior to the add operation.

### CBSD- SAS Communication

The AP registration with SAS cycle (CPAS) may take up to 24 hours; thus, grant may not be available for up to 24 hours.

