

Ruckus Unleashed Multi-Site Manager Release Notes, 2.3

Supporting Unleashed Multi-Site Manager Release 2.3

© 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

Document History	4
Overview	4
Overview of Unleashed Multi-Site Manager.....	4
Browsers and Languages Supported	4
New in This Release	4
New Features.....	4
Changed Behavior.....	5
Known Issues	6
Hardware and Software Support	6
Platforms Supported.....	6
Software Installation	10
Hardware Requirements and Specifications.....	10
Software Requirements and Specifications.....	10
License Information.....	11
Software Upgrade	11
Upgrading Unleashed Multi-Site Manager.....	11
Upgrade Path.....	12

Document History

Version	Summary of changes	Publication date
Unleashed Multi-Site Manager Release Notes Version 1	New enhancement and the features for the UMM2.3 release.	10 January 2020

Overview

Overview of Unleashed Multi-Site Manager

This document provides release information about the software including new features, enhancements, known issues, caveats, workaround, upgrade details and interoperability information.

Unleashed Multi-Site Manager (UMM) is a centralized WiFi Management application that securely manages, monitor, and controls Ruckus WiFi system (such as Unleashed networks, ZoneDirector networks and wireless bridge AP P300) over the internet or IP network. It is a network management system (NMS) that provides capabilities such as configuration, fault detection, audit, performance management and optimization of remote Smart Wi-Fi networks from a single point

Browsers and Languages Supported

Ruckus strongly recommends that you use the latest release of an officially-supported browsers to view the Unleashed Multi-Site Manager user interface.

Officially Supported Browsers include Firefox and Chrome.

Internet Explorer and Safari are not supported.

This release of the software only supports English language.

New in This Release

This section provides a high-level overview of several key features that are introduced in this release of Unleashed Multi-Site Manager. For detailed descriptions of these features and configuration help, refer to the Unleashed Multi-Site Manager User Guide for this release.

New Features

Unleashed Zero Touch Deployment

Unleashed Zero Touch Deployment feature simplifies the customers' deployment effort for Unleashed. The target is 'power on and ready' for Unleashed with some simple configuration on the UMM & Unleashed side.

This feature provides two benefits for the customers:

- Unleashed can be configured to designated version and configuration automatically after power on.
- Unleashed can be assigned to designated groups in joining the UMM automatically.

Add Bing Map as One Option to Show in Dashboard

In this release of UMM, Bing Map is added as one of the option to show in the dashboard. In some regions of the world, Google Map does not work.

Ability to Remove Temp License

This release of the UMM allows customers to remove temporary license. It is to ignore the license expired warning in UI.

Download AP Logs

This release of UMM provides an easy way for trouble shooting. The customer can download Unleashed AP System Logs from UMM directly. There is no need to turn to Unleashed WEB UI.

Edit WPA3 WLAN

This release of UMM supports the editing of SSID or PSK for WPA3 WLAN.

Changed Behavior

ICX Switches Managed by Unleashed 200.8

Unleashed starts to manage ICX switches from version 200.8. UMM has two paths to manage the ICX, one is direct management and another is managing through the Unleashed.

Support 90 Days Reporting Period

From this release, the UMM provides longer data storage and reporting period up to 90 days. The customer would choose suitable purge policy, according to network capacity.

UX Enhancement for Report

This release of UMM has an optimized saved report organization and a better look and feel in report page. In addition, UMM now supports editing of scheduled report email address and FTP address.

One Step to Create User and Assign Group

This UMM release has enhanced the process of user creation. It allows to create user or assign group in one step.

Group Selection for Unleashed Upgrade/Edit WLAN

This release of the UMM has enhanced the way for multi-selection. The customers can do Unleashed upgrade, editing wlan in the group level, and the groups can configure the alarms notification setting.

Enable or Disable WLAN

This release of UMM provides an easy command to enable or disable WLAN to the Unleashed AP including UI and the Public API.

Audit Log Enhancement

This release of the UMM logs all operations as Audit log for security enhancement. UI shows the audit logs in time sequence.

Other Enhancement

Duplicate Unleashed ID

- UMM generates a new event to notify the customer for unleashed network joining with duplicated ID.

Export AP list

- Exports AP list for group.

VM changing password

- The customer needs to change the UMM login password after the first time use of the VM.

Known Issues

This section lists the caveats, limitations, and known issues for Unleashed Multi-Site Manager 2.3.

- The Unleashed Multi-Site Manager server will not be able to fetch data from ICX switches if you disable SNMP or telnet services on the switch.
- Unleashed Multi-Site Manager fails to restore 10.2 Zone Director's configuration (ZF-19821).
- ICX 08.0.90 fails to send an event to Unleashed Multi-Site Manager due to ICX issue (FLEX-1492).

Hardware and Software Support

Platforms Supported

Unleashed Multi-Site Manager securely manages and controls Unleashed APs and ZoneDirector WiFi networks. You must be aware of the platforms it supports to manage them.

This release supports the following ZoneDirector models:

NOTE

Open the port 80 when UMM manages the 10.1/10.2 Zone Director and 200.5 Unleashed devices.

ZoneDirector Model	Software Version Supported
10.4 ZoneDirector	
ZD1200	GA build
10.3 ZoneDirector	
ZD1200	zd1200_10.3.0.0.362.ap_10.3.0.0.362.img
10.2 ZoneDirector	
ZD3000	zd3k_10.2.0.0.189.ap_10.2.0.0.189.img
ZD1200	zd1200_10.2.0.0.189.ap_10.2.0.0.189.img

This release supports the following Unleashed AP models:

NOTE

Redirection, configuration backup, restore, upgrade and editing WLAN will not work until the SSH tunnel is up for Unleashed Networks running versions 200.6 or later.

Unleashed AP Model	Software Version Supported
200.8 Unleashed Networks	
R710	R710_200.8.10.3.239.bl7
T710	T710_200.8.10.3.239.bl7
T710S	T710s_200.8.10.3.239.bl7
R510	R510_200.8.10.3.239.bl7
H510	H510_200.8.10.3.239.bl7
H320	H320_200.8.10.3.239.bl7
R610	R610_200.8.10.3.239.bl7
T610	T610_200.8.10.3.239.bl7
T610S	T610s_200.8.10.3.239.bl7
R720	R720_200.8.10.3.239.bl7
C110	C110_200.8.10.3.239.bl7
E510	E510_200.8.10.3.239.bl7
T310N	T310n_200.8.10.3.239.bl7
T310S	T310s_200.8.10.3.239.bl7
T310C	T310c_200.8.10.3.239.bl7
T310D	T310d_200.8.10.3.239.bl7
R320	R320_200.8.10.3.239.bl7
M510	M510_200.8.10.3.239.bl7
R750	R750_200.8.10.3.239.bl7
200.7 MR Unleashed Networks	
R500	R500_200.7.10.202.94.bl7
R600	R600_200.7.10.202.94.bl7
R310	R310_200.7.10.202.94.bl7
T300	T300_200.7.10.202.94.bl7
T300-E	T300e_200.7.10.202.94.bl7
T301-N	T301n_200.7.10.202.94.bl7
T301S	T301s_200.7.10.202.94.bl7
R710	R710_200.7.10.202.94.bl7
T610	T610_200.7.10.202.94.bl7
T610-S	T610S_200.7.10.202.94.bl7
R610	R610_200.7.10.202.94.bl7
T710	T710_200.7.10.202.94.bl7
T710-S	T710s_200.7.10.202.94.bl7
R720	R720_200.7.10.202.94.bl7
R510	R510_200.7.10.202.94.bl7
H510	H510_200.7.10.202.94.bl7
H320	H320_200.7.10.202.94.bl7
T310-D	T310d_200.7.10.202.94.bl7

Hardware and Software Support
Platforms Supported

Unleashed AP Model	Software Version Supported
T310-N	T310n_200.7.10.202.94.bl7
T310-C	T310c_200.7.10.202.94.bl7
T310-S	T310s_200.7.10.202.94.bl7
E510	E510_200.7.10.202.94.bl7
C110	C110_200.7.10.202.94.bl7
R320	R320_200.7.10.202.94.bl7
M510	M510_200.7.10.202.94.bl7
200.7 Unleashed Networks	
R500	R500_200.7.10.2.339.bl7
R600	R600_200.7.10.2.339.bl7
R310	R310_200.7.10.2.339.bl7
T300	T300_200.7.10.2.339.bl7
T300-E	T300e_200.7.10.2.339.bl7
T301-N	T301n_200.7.10.2.339.bl7
T301S	T301s_200.7.10.2.339.bl7
R710	R710_200.7.10.2.339.bl7
T610	T610_200.7.10.2.339.bl7
T610-S	T610s_200.7.10.2.339.bl7
R610	R610_200.7.10.2.339.bl7
T710	T710_200.7.10.2.339.bl7
T710-S	T710s_200.7.10.2.339.bl7
R720	R720_200.7.10.2.339.bl7
R510	R510_200.7.10.2.339.bl7
H510	H510_200.7.10.2.339.bl7
H320	H320_200.7.10.2.339.bl7
T310-D	T310d_200.7.10.2.339.bl7
T310-N	T310n_200.7.10.2.339.bl7
T310-C	T310c_200.7.10.2.339.bl7
T310-S	T310s_200.7.10.2.339.bl7
E510	E510_200.7.10.2.339.bl7
C110	C110_200.7.10.2.339.bl7
R320	R320_200.7.10.2.339.bl7
M510	M510_200.7.10.2.339.bl7
200.6 Unleashed Networks	
R610	R610_200.6.10.1.312.bl7
T610	T610_200.6.10.1.312.bl7
T610-S	T610s_200.6.10.1.312.bl7
T710	T710_200.6.10.1.312.bl7
T710-S	T710s_200.6.10.1.312.bl7
R720	R720_200.6.10.1.312.bl7
R710	R710_200.6.10.1.312.bl7
H320	H320_200.6.10.1.312.bl7

Unleashed AP Model	Software Version Supported
R510	R510_200.6.10.1.312.bl7
H510	H510_200.6.10.1.312.bl7
R500	R500_200.6.10.1.312.bl7
R600	R600_200.6.10.1.312.bl7
R310	R310_200.6.10.1.312.bl7
T300	T300_200.6.10.1.312.bl7
T300-E	T300e_200.6.10.1.312.bl7
T301-S	T301s_200.6.10.1.312.bl7
T301-N	T301n_200.6.10.1.312.bl7
T310-D	T310d_200.6.10.1.312.bl7
T310-N	T310n_200.6.10.1.312.bl7
T310-C	T310c_200.6.10.1.312.bl7
T310-S	T310s_200.6.10.1.312.bl7
E510	E510_200.6.10.1.312.bl7
C110	C110_200.6.10.1.312.bl7

This release supports the following ICX switches:

NOTE

ICX switches use ports 443 and 22 to register to the Unleashed Multi-Site Manager server by default.

ICX Switches	Software Version Supported
ICX 7150, ICX 7250, ICX 7450 , ICX 7650 , ICX 7750	ICX 08.0.80ca
ICX 7150, ICX 7250, ICX 7450 , ICX 7650 , ICX 7750	ICX 08.0.80
ICX 7150, ICX 7250, ICX 7450 , ICX 7650 , ICX 7750	ICX 08.0.80b
ICX 7150, ICX 7250, ICX 7450 , ICX 7650 , ICX 7750	ICX 08.0.80d
ICX 7150, ICX 7250, ICX 7450 , ICX 7650 , ICX 7750, ICX 7850	ICX 08.0.90

This release supports the following wireless bridge AP model:

AP Model	Software Version Supported
P300	P300_100.1.0.9.60.bl7

NOTE

This release of Unleashed Multi-Site Manager does not support standalone APs (except the wireless bridge P300). Unleashed Multi-Site Manager can only monitor P300.

Software Installation

Hardware Requirements and Specifications

The amount of memory and CPU power required on the Unleashed Multi-Site Manager server depends on the number of Controller devices and APs that software is to manage, and Purge Policy on the system setting.

Refer to the following table as the examples of the minimum recommended RAM and CPU for the hosting computer.

TABLE 1 Recommended hardware specifications

Managed Devices	RAM	CPU	Hard Disk Space	Purge Policy
Up to 150 Unleashed network (10 APs and 2 ICX switches per Unleashed network)	16 GB	4 cores (e.g. Intel Core i5-3550 CPU @ 3.30GHz)	300 GB	7 days
Up to 100 Unleashed network (10 APs and 2 ICX switches per Unleashed network)				90 days
Up to 3000 Unleashed network (total 10000 APs and 6000 Unleashed managed ICX switches)	64 GB	32 cores (e.g. Dell R710 platform with Xeon CPU E5-2650@ 2.00GHz)	1 TB	7 days
Up to 1000 Unleashed network (10 APs and 2 ICX switches per Unleashed network)				90 days

Software Requirements and Specifications

You must ensure that the following software requirements are met before installing or upgrading Unleashed Multi-Site Manager to the latest release.

- Officially Supported Linux operation systems:
 - CentOS release 6.5 (64 bit)
 - CentOS release 7.2 (64 bit)
 - Red Hat Enterprise Linux Server release 6.5 (64 bit)
 - Red Hat Enterprise Linux Server release 7.2 (64 bit)
- Ruckus recommends that you use the 'Web Server' option during RedHat Enterprise or CentOS installation.
- Before installing this version of Unleashed Multi-Site Manager, you must upgrade Openssl and its library to the right Linux version as specified:
 - RedHat or CentOS 6.x: Openssl 1.0.1 or later
 - RedHat or CentOS 7.x: Openssl 1.0.2 or later

For example, you can issue this command to upgrade Openssl version with Linux

```
yum upgrade openssl 1.0.2
```

- Ports Configuration:

The Unleashed Multi-Site Manager software may have port conflicts with the hosting computer, especially if the hosting computer is used to serve other purposes. Modify the port numbers during installation, as necessary.

- Unleashed Multi-Site Manager uses a secured tunnel for traffic redirection, configuration backup, restore, upgrade and editing WLANs for Unleashed APs running 200.6 or later release. Therefore, you do not have to map the ports on the firewall for these Unleashed APs.

NOTE

UMM functions (traffic redirection, configuration backup, restore, upgrade and editing WLANs) are effective only after the secured tunnel is established, which takes some time after the device first registers in UMM. To shorten the time, on the Unleashed Web UI, a shorter TR069 info interval can be configured.

License Information

You must be aware of how licenses are used.

- There are 3 kinds of Unleashed Multi-Site Manager licenses file: one for each - ZoneDirector, Unleashed and ICX switch.
- An ICX switch consume Unleashed Multi-Site Manager licenses according to its units.
- When trial license expire, Unleashed Multi-Site Manager checks the license number and sets the devices status to *License Exceeded*, and stops managing and monitoring the device.
- By default a new Unleashed Multi-Site Manager installation provides 1 Unleashed license. Again by default, it provides 100 ZoneDirector license and 1 Unleashed license when you upgrade the software from FlexMaster version to Unleashed Multi-Site Manager.
- Unleashed Multi-Site Manager consumes its license count for APs under ZoneDirector according to its ZoneDirector's AP capacity; and not the number of APs that have joined the ZoneDirector. For example, ZD3500 consumes 500 Unleashed Multi-Site Manager licenses even if it manages 100 APs. Standby ZoneDirector will not consume any AP license on Unleashed Multi-Site Manager.
- Unleashed Multi-Site Manager consumes its Unleashed AP license count according to the connected Unleashed AP number.
- Any AP license updates on Unleashed Multi-Site Manager can take a while (1~60 minutes) to be reflect.

Software Upgrade

Upgrading Unleashed Multi-Site Manager

For better upgrade process control, the software application is delivered in tar format. There are new upgrade scripts and patch files in this tarball.

Follow these steps to upgrade the software:

1. Upload the patch file (e.g. 2.1_2.2-2.3.0.0.33.tar) to the Unleashed Multi-Site Manager server.
2. Copy the patch file (e.g. 2.1_2.2-2.3.0.0.33.tar) to the Unleashed Multi-Site Manager folder (for example, **/home/UMM**) using the following command:

```
# cp /home/2.1_2.2-2.3.0.0.33.tar /home/UMM
```

3. Extract the patch file using the following command:

```
# tar -vxf 2.1_2.2-2.3.0.0.33.tar
```

4. Upgrade the software using the following command:

```
# ./upgrade.sh 2.3.0.0.33
```

NOTE

Before you upgrade, ensure that the *.patch file (2.3.0.0.33 patch) is extracted from the tar file.

Upgrade Path

If you are running an older version of the software, you can upgrade it to the latest released versions and must also ensure that the devices managed by the software application are also upgraded.

The official upgrade path supported is from:

- from Unleashed Multi-Site Manager 2.1.0.0.27 to Unleashed Multi-Site Manager 2.3.0.0.33
- from Unleashed Multi-Site Manager 2.2.0.0.39 to Unleashed Multi-Site Manager 2.3.0.0.33
- from Unleashed Multi-Site Manager 2.2.0.0.40 to Unleashed Multi-Site Manager 2.3.0.0.33
- from Unleashed Multi-Site Manager 2.3.0.0.16 to Unleashed Multi-Site Manager 2.3.0.0.33

The software and ZoneDirector controllers are updated in the following order:

1. Upgrade Unleashed Multi-Site Manager first, and then upgrade the ZoneDirector controllers or the Unleashed APs.
2. Upgrade Unleashed Multi-Site Manager and the managed devices one release at a time.

NOTE

Ruckus recommends that you clean the Web browser's cache and cookie after upgrade for better performance.

NOTE

When there is an upgrade of UMM from 2.1 release, the administrator needs to re-import the Certification as it is lost during the upgrade.