What's New in Unleashed Version 200.8?

This application note describes the new features available in Ruckus Unleashed version 200.8. This document assumes familiarity with the Ruckus Unleashed product line and the features of earlier release version 200.7.

Highlights of this Release

Ruckus Unleashed is a controller-less Wireless LAN (WLAN) solution that enables Small-Medium Business (SMBs) to deliver an optimal wireless experience to their users at an affordable price.

Customers can expand their business to multiple locations seamlessly with Unleashed Multi-Site Manger. If the business scales even further, Ruckus Unleashed offers migration options to Ruckus ZoneDirector, SmartZone or Ruckus Cloud Wi-Fi.

Note: To upgrade to 200.8 using the online upgrade method, your Unleashed network must be running 200.7.10.202.94. If your network is not running this version (200.7.10.202.94), please upgrade to this version first.

Key features and enhancements in this release are:

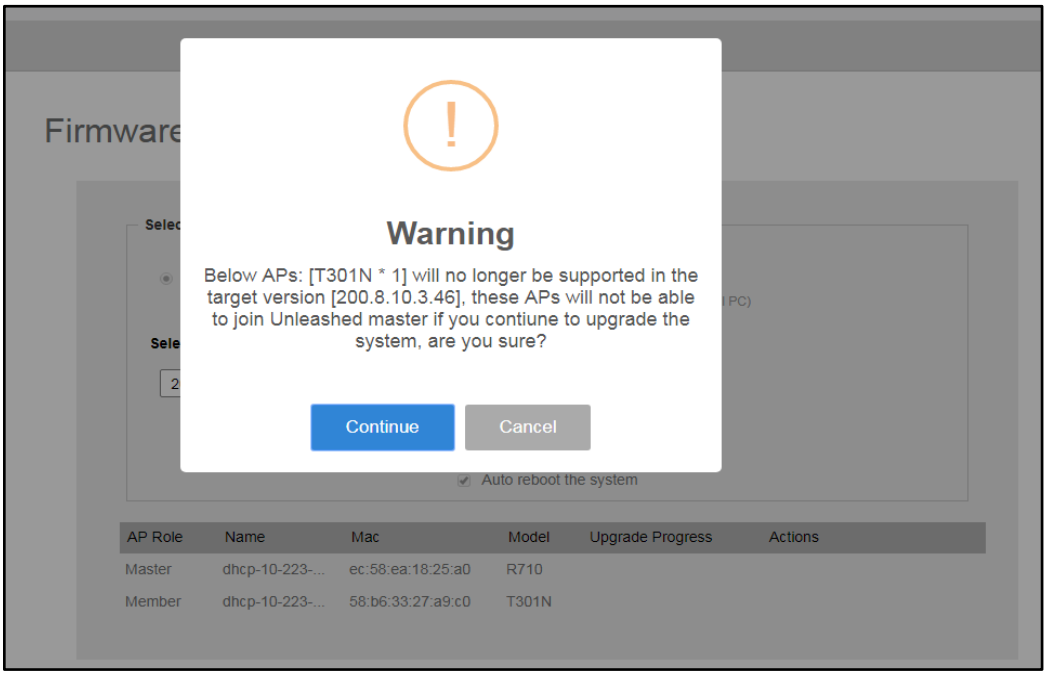
Feature	Brief Description and Benefits
Increase Scale to 128 APs and 2,048 Clients	Unleashed now supports up to 128 APs (up from 50), and 2,048 clients (up from 1,024). As of this release, this increase applies only to Unleashed 802.11 ac Wave 2 or newer generation APs such as WiFi 6 APs.
Easy Deployment Using UMM (aka Plug & Play Deployment)	Provides an option for automatically configuring and deploying Unleashed networks remotely using an Unleashed Multi-Site Manager template simplifying the deployment of networks.
ICX Switch Monitoring and Management	Gain insights into basic switch status such as port up, down. Upgrade, backup and restore a switch. Perform basic port configuring and management of connected ICX switches.
M510 Enhancements	LTE status information and connectivity check features.
Local Upgrade Support in Setup Wizard	Setup Wizard provides an option to upgrade the firmware prior to building the Unleashed network
URL Filtering	URL filtering allows administrators to manage internet usage by preventing access to inappropriate websites using a customizable combination of blacklists and whitelists.

Top 10 ARC Graphs per AP Group/per WLAN	Application recognition graphs to display in per AP group and per WLAN views to gain further insights into the network usage.
New ARC Engine	The Application Recognition engine has been upgraded to a new system with improved application detection.
WPA3	WPA3 encryption and all WPA3-related WLAN types are now supported (WPA3, WPA2/WPA3-mixed, OWE).
Mark Rogue APs	Provides the option to mark rogue APs as "known" so that they do not appear repeatedly in system event and alarm messages.
Admin Active Directory Authentication	Allows administrator authentication using a remote authentication server.
Restructure of Admin & Services Web Interface	Reorganized several features in the Services and Administration sections of the web UI for improved navigability.
Additional SMS Service Provider Support	Additional country code options can now be configured for custom SMS servers.
Additional Configuration Options from WLAN Edit Page	Ability to edit WLAN parameters including 802.1X, accounting, etc. from WLAN edit page.
Remote Syslog Server Support	Provides options for delivering log message to a remote syslog server.
Syslog Client Specific Log Options	Provides options for limiting syslogs to client-specific subsets.
Guest Info Exportability	Allows export of guest information: client connect and disconnect logs.
GDPR (Phase 1)	Enables compliance with the EU's General Data Protection Regulation "right to know" and "right to delete" rules for protection of client data.
Limit the Allowed Login Domains for Google Authentication	Google authentication can be limited to specific domains for corporate Gmail users.
PoE Mode Warnings	Displays a warning icon and a message when an AP is receiving less than full power. Refer to the Online Help for AP specific details on limitations due to reduced power input.
UMM Login Enhancement	Improved handling of remote login from UMM.

ARC Category Policy Support	Allows the user to select "all" applications when creating an application recognition rule.
CLI Setup Wizard Enhancement	Added three Master CLI configuration options in the CLI setup wizard: "HS2.0 support", "Configure restore" and "Location message forwarding."
WiFi4EU	Ability to insert WiFi4EU snippet requirements

Removal of Wave 1 AP Support

802.11ac Wave 1 APs are no longer supported. Unleashed R310, R500, R600, and T300 series do not support the latest firmware 200.8. Please beware to not upgrade if you have any of these AP models in your deployment.



Supported AP models in Unleashed 200.8

Unleashed version 200.8.10.3.243 supports the following Ruckus indoor Wi-Fi access point models:

Indoor Wi-Fi Access Points

Unleashed R750	Indoor 802.11ax Wi-Fi 6 Access Point with Multi-gigabit Backhaul for Ultra-Dense Device Environments
Unleashed R720	Indoor 802.11ac Wave 2 Wi-Fi Access Point with Multi-gigabit Backhaul for Dense Device Environments
Unleashed R710	Indoor 802.11ac Wave 2 Wi-Fi Access Point for Dense Device Environments
Unleashed R610	Indoor 802.11ac Wave 2 Wi-Fi Access Point for Dense Device Environments
Unleashed R510	Indoor 802.11ac Wave 2 Wi-Fi Access Point for Dense Device Environments
Unleashed H510	Wall-mounted 802.11ac Wave 2 Wi-Fi Access Point for Dense Device Environments
Unleashed M510	Mobile Indoor 802.11ac Wave 2 Wi-Fi Access Point with LTE Backhaul
Unleashed H320	Wall-Mounted 802.11ac Wave 2 Wi-Fi AP and Switch
Unleashed C110	Wall-Mounted 802.11ac Wave 2 Wi-Fi AP, Switch and Cable Modem
Unleashed R320	Indoor 802.11ac Wi-Fi Access Point

Outdoor Wi-Fi Access Points	
Unleashed T710 Series (T710, T710s)	Outdoor 802.11ac Wave 2 Wi-Fi Access Point family with Fiber Backhaul
Unleashed T610 Series (T610, T610s)	Outdoor 802.11ac Wave 2 Wi-Fi Access Point family
Unleashed T310 Series (T310c, T310d, T310n, T310s)	Outdoor 2x2:2 2.4/5GHz 802.11ac Wave 2 Wi-Fi access point family with omni and directed antennae
Unleashed E510	Embedded 802.11ac Outdoor Wave 2 Wi-Fi AP with External BeamFlex+ Antennas

New Feature Details

Details for each new feature and enhancement in Unleashed 200.8 appears below.

1. **Support for WiFi 6 (802.11ax) Access Point R750**

Unleashed R750

The R750 is based on the latest Wi-Fi 6 standard and bridges the performance gap from 'gigabit' Wi-Fi to 'multi-gigabit' Wi-Fi in support of the insatiable demand for better and faster Wi-Fi. The R750 is the first ever Wi-Fi 6 AP to be granted Wi-Fi CERTIFIED 6 status by the Wi-Fi Alliance. As part of Wi-Fi Alliance's testbed, the R750 validates other devices for Wi-Fi CERTIFIED 6 interoperability certification.

The R750 makes it easy to deliver reliable, secure, high-performance connectivity in transit hubs, auditoriums, conference centers and other high traffic indoor spaces.

Key Features

- Provides great performance with latest Wi-Fi standard, extended range and support for 1,024 clients.
- Designed to operate on existing PoE switches and CAT 5e cabling to minimize costly upgrades.
- Extends coverage with patented BeamFlex™ adaptive antenna technology while mitigating interference by utilizing multi-directional antenna patterns.
- ChannelFly dynamic channel technology uses machine learning to automatically find the least congested channels. You always get the highest throughput the band can support.

2. Increased scale to 128 APs

Unleashed now supports up to 128 APs (up from 50), and 2,048 clients (up from 1,024). As of this release, this increase applies only to Unleashed 802.11 ac Wave 2 or newer APs.

Customer Benefits

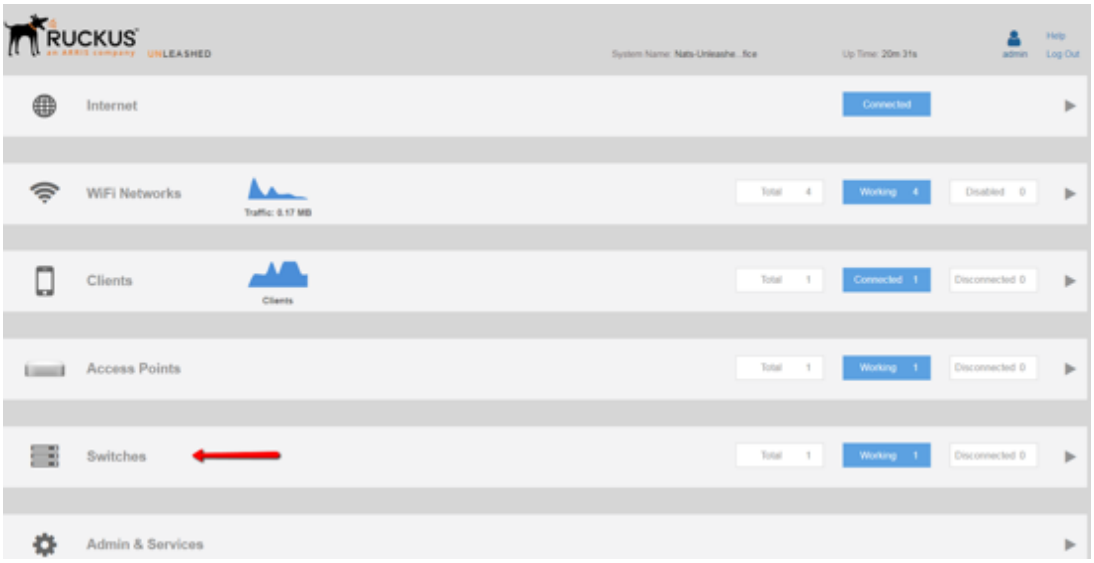
- Increases the use cases that Unleashed can serve

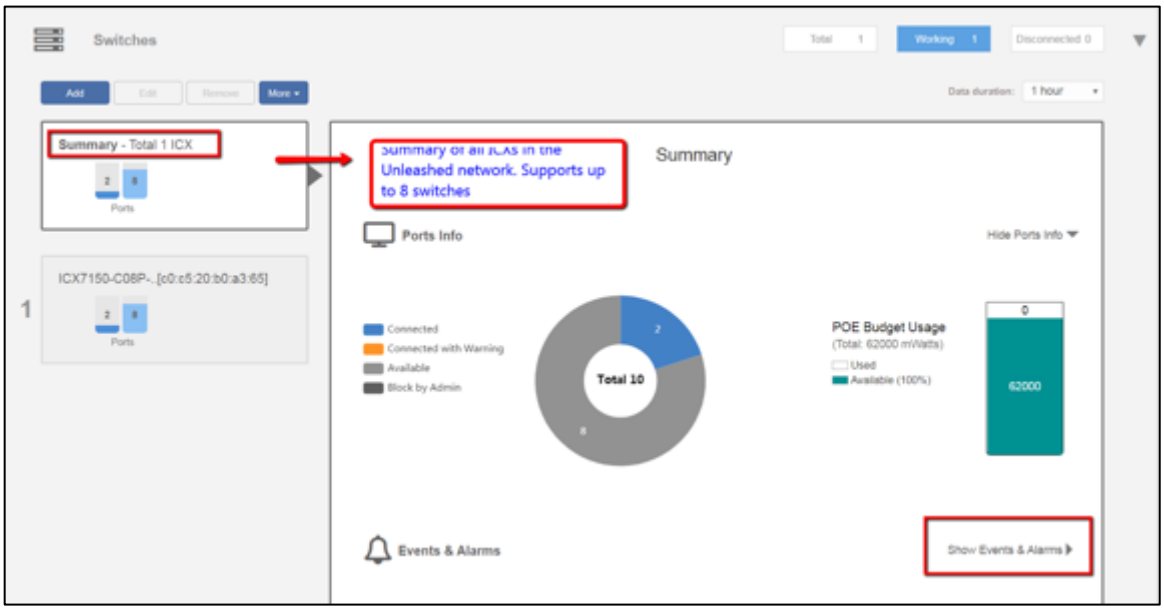
3. **ICX Switch Monitoring and Management**

Gain insights into basic switch status such as port up, down. Upgrade, backup and restore a switch. Perform basic port configuring and management of connected ICX switches.

Customer Benefits

- Manage ICX switches from a single pane of glass view on Unleashed mobile app and Unleashed dashboard
- Simplify network management


RUCKUS
UNLEASHED
Internet
Connected
WiFi Networks
Clients
Access Points
Switches
Admin & Services


Switches
Add
More
Summary - Total 1 ICX
Ports
ICX7150-C08P-..[c0:c5:20:b0:a3:65]
Summary of all ICXs in the Unleashed network. Supports up to 8 switches
Summary
Ports Info
Hide Ports Info
Connected
Connected with Warning
Available
Block by Admin
Total 10
POE Budget Usage
(Total: 62000 mWatts)
Used
Available (100%)
62000
Events & Alarms
Show Events & Alarms

4. **Easy Deployment Using UMM**

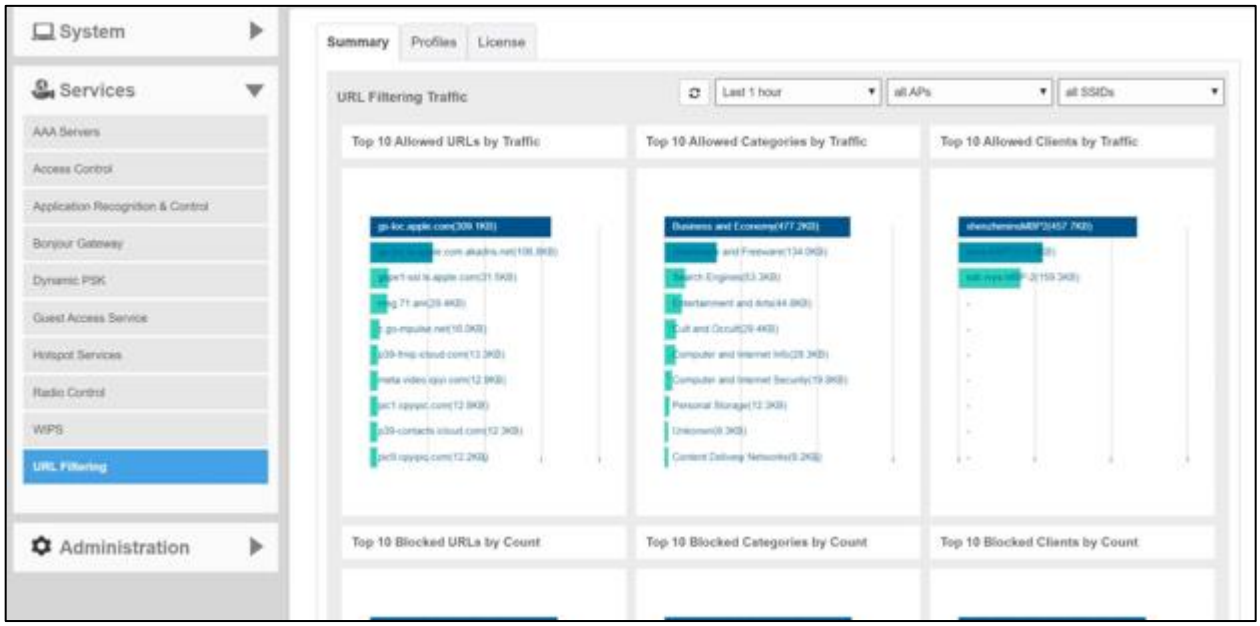
   This feature provides an option for automatically configuring and deploying Unleashed networks remotely using an Unleashed Multi-Site Manager template simplifying the deployment of networks.

   Customer Benefits

   - Simplifies the configuration and deployment of unleashed networks.
   - Improves overall user experience.

5. URL Filtering

URL filtering allows administrators to manage internet usage by preventing access to inappropriate websites using a customizable combination of blacklists and whitelists.

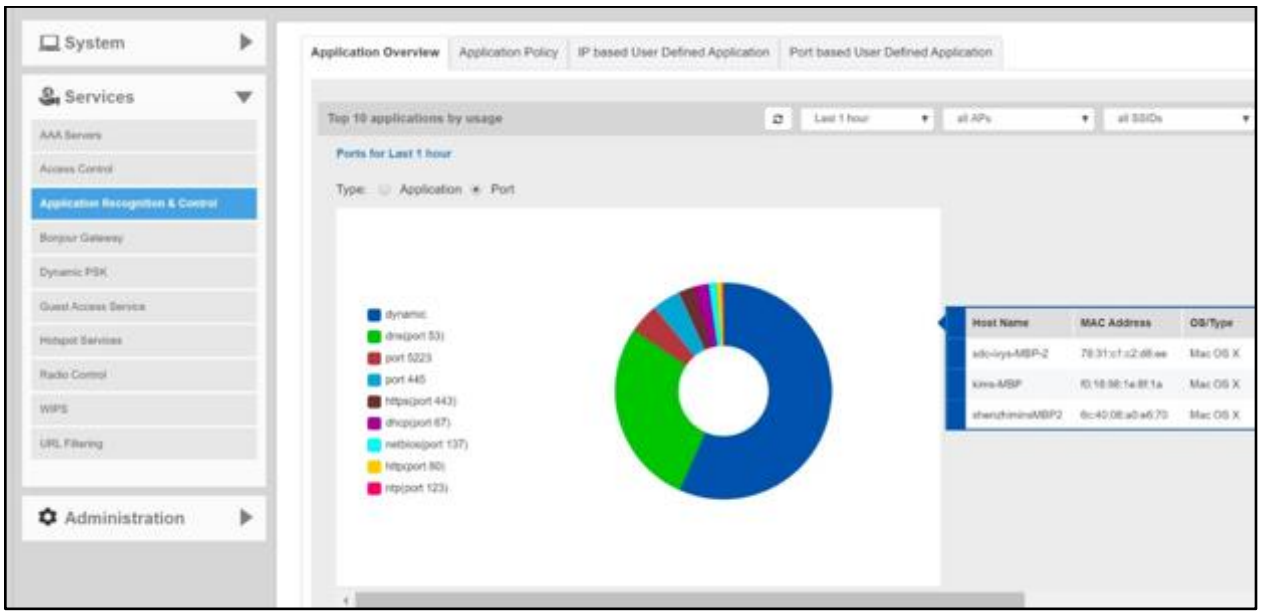


Customer Benefits

- Protect from known malware and phishing sites
- Define safe browsing practices
- Customize web access rules

6. Top 10 ARC Graphs per AP Group/per WLAN

Application recognition graphs to display in per AP group and per WLAN views to gain further insights into the network usage.



Customer Benefits:

- Users can select all applications for creating rules
- Greater visibility into network usage

7. WPA3

WPA3 encryption and all WPA3-related WLAN types are now supported (WPA3, WPA2/WPA3-mixed, OWE).

Customer Benefits:

- More secure public Wi-Fi networks
- Increased protection from password guessing attempts
- Higher grade security for sensitive networks
- Provides flexibility to administrator with respect to creating different WLAN networks.

8. **Mark Rogue Devices**

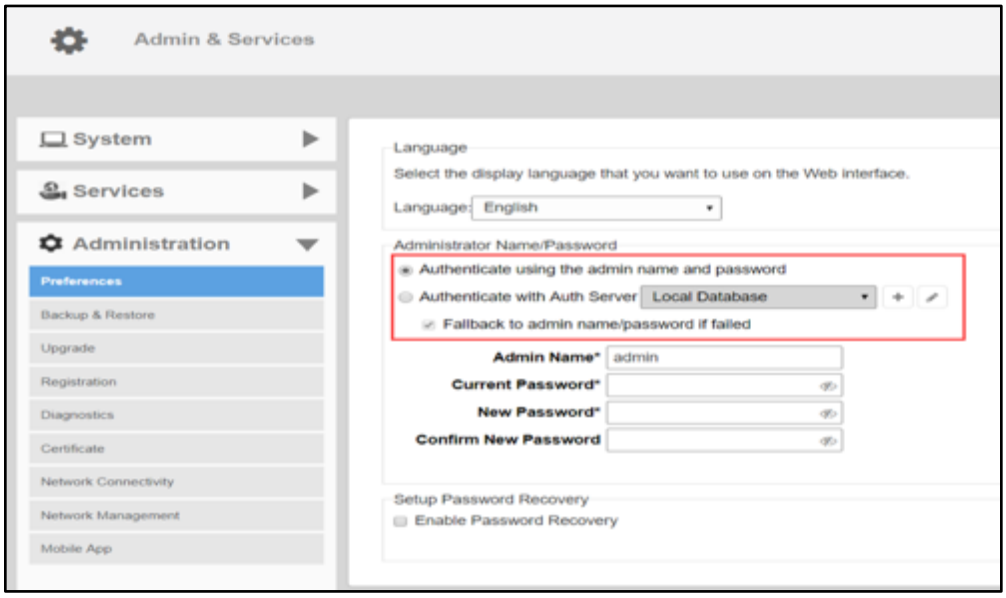
Provides the option to mark rogue APs as "known" so that they do not appear repeatedly in system event and alarm messages.

Customer Benefits:

- Avoid inundation of log messages on the dashboard
- Improves overall user experience

9. **Admin Active Directory Authentication**

Allows administrator authentication using a remote authentication server.



Customer Benefits:

- Provide administrators more options