Extreme
Connect Beyond the Network

Service Release Notes for WiNG 5.9.1.1-009R

Please Note: Service releases are made available to fix specific customer reported issues in a timely manner. Service releases are not as extensively tested as main releases (such as 5.9.1.0-029R). The next maintenance or manufacturing release will incorporate all qualifying and preceding service releases.

This document is an addendum to the release notes for the main release 5.9.1.0-029R.

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Resolved Issues

This service release 5.9.1.1-009R contains important fixes for customer reported issues and several enhancements.

Additional Enhancements:

AP 7612/7632/7662: support for MU-MIMO and Tx Beamforming.

AP 7662: AP-7662-680B30-US and AP-7662-680B30-WR SKUs are now fully supported.

Egypt regulatory – WiNG 5.9.1.1 introduces following new SKUs to comply with Egypt regulatory requirements: AP-7632-680B30-EG, AP-7632-680B40-EG, AP-7532-67030-EG, AP-7532-67040-EG, AP-7612-680B30-EG and AP7662-680B30-EG. Egypt SKU will be available pending regulatory approval.

Following are DFS changes (highlighted) in WiNG 5.9.1.1 for the supported radio platforms:

Product	Master DFS FCC	Master DFS IC	Master DFS ETSI	Master DFS Japan	Client DFS FCC	Client DFS IC	Client DFS ETSI	Client DFS Japan
AP 8533	Enabled	Enabled	Enabled	**Enabled**	Enabled	Enabled	Enabled	**Enabled**
AP 7612	**Enabled**	**Enabled**	Enabled	Disabled	Disabled	Disabled	Disabled	Disabled
AP 7632	Disabled	**Enabled**	Enabled	Disabled	Disabled	Disabled	Disabled	Disabled
AP 7662	Disabled	Disabled	**Enabled**	Disabled	Disabled	Disabled	Disabled	Disabled

Following is a list of changes in this release:

SPR/CQ	Description
SPR-3376	Captive-portal page download fails with auto-page-upload, after AP adoption
SPR-3381	Option to copy config locally missing
SPR-3382	Old MU entries are not timing out properly on AP 8533
SPR-3383	UI presents wrong radio mac mapping for interfering Aps.
SPR-3386	For fast-bss-transition enabled WLAN, APs do not advertise FT over 802.1X AKM suite in WiNG 5.9.1
WING-35869	UI: APs that support 64 clients in client bridge still shows 14 clients on their radio config page
WING-35925	Broadcasts queues need to be limited so APs don't run out of packets
WING-35964	Max client limit for AP7612/AP7632/AP7662 is limited to 256 clients for the AP when radio 1 & 2 are used simultaneously.
WING-35967	Rim core observed while transmitting fast transition authentication response
WING-35977	Missing "show wireless ap detail" in AP techdump and "show global domain mangers" to NX 5500 techdump
WING-35985	EGuest: deletion of centrally hosted splash template results in guest-manager crash
WING-36002	CP: disable fastcgi debug to stop writing lighttpd debug logs in file /var/log/hotspotsrvr_errors.log
WING-36013	WPA2 Krack: Group key replay counter vulnerability.
WING-36014	WPA2 Krack: 802.11r FT WPA2 crack vulnerability
WING-36016	WPA2 Krack: MCX PSK 4-way key needs to be updated to avoid WPA2 crack vulnerability.
WING-36028	Captive Portal - Advanced webpage hosting in RFS6K with PHP leads to crash

2. Platforms Supported

This release applies to all platforms released with WiNG 5.9.1.0-029R.

Reminder:
Dependent AP platforms: AP 621, 622, 650 are EOL and engineering support has ended.

Independent AP platforms: AP 6511, AP 6511E, AP 7131, AP 7181, AP 8222, ES 6510 are EOL and engineering support has ended.
Controller platforms: RFS 4011, RFS 7000, NX 9000, NX 45XX and NX 65XX platforms are EOL and engineering has ended.

3. Firmware Upgrade/Downgrade Procedure

The method described in this section uses the Command Line Interface (CLI) procedures. To log into the CLI, either SSH, Telnet or serial access can be used.

For detailed upgrade procedure – please refer to WiNG 5.9.1 release notes.

Upgrade from WiNG v5.x.x.x to WiNG v5.9.1.x

1. Copy the controller image to your tftp/ftp server.

2. Use the ―**upgrade ftp://<username>:<password>@<ip address of server>/<name of file>‖**, or ―**upgrade tftp://<ip address of server>/<name of file>** command from CLI or **Switch->Firmware->Update Firmware** option from the GUI. You may need to specify the username and password for your ftp server.

3. Restart the controller. From CLI the command is ―reload.