

## Service Release Notes for WiNG 7.7.1.1-005R

**Note:** Service releases are made available to fix specific customer reported issues in a timely manner or known issue resolved in main release. Service releases are not as extensively tested as main releases. 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 7.7.1.0-012R release.

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### 1. FEATURES

This release supports the following WiNG distributed features.

#### **GRE concentrator (Multi-GRE)**

GRE concentrator feature is a controller feature supported on NX7, NX5 and NUXI and VX9000 in this release.

GRE concentrator feature terminate multiple tunnels on the controller. A max of 128 tunnels is supported in this release. There is no access vlan support on the GRE concentrator, so the traffic tunneled though the concentrator is tagged.

### 2. RESOLVED ISSUES

Following is a list of SPRs/CRs fixed in this release:

CR/ESR	Description
WOS-3335	GRE tunnel increase to 128
CFD-7277	Fixed lcap configuration not copy over after cluster join.
WOS-3264	Fix for peer-to-peer tunnel
WOS-3219	Added support for AP310-1 to adopt AP8533 and AP8432
WOS-3308	ESL Imagotag support on APxx-1 APs

### 3. IMPORTANT NOTES

#### New in v7.7.1.1

nx7500-7F3609(config-device 84-24-8D-7F-36-09)#gre concentrator test

nx7500-7F3609(config-device 84-24-8D-7F-36-09-gre-concentrator-test)#?

- GRE Concentrator Tunnel Mode commands:
- allowed-vlan VLANs to tunnel
  - idle-timeout Gre tunnel inactivity timeout
  - no       Negate a command or set its defaults

#### Known Issues

CR/ESR	Description
WOS-3344	panic on controller with GRE enabled while doing pktcap on drop and sending traffic
WOS-3353	Allowing multiple svi interfaces associated with couple of interfaces breaks the gre adjacency

### 4. PLATFORMS SUPPORTED

WING 7.7.1.1 supports the following platforms with the corresponding firmware images:

AP Platforms	Firmware Image
AP302W	AP302W-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP305C/AP305CX	AP3xxC-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP410C/AP460C AP460S6C/AP460S12C	AP4xxC-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP310/360	AP3xx-7.7.1.1-005R.img AP3xx-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP410/460	AP4xx-7.7.1.1-005R.img AP4xx-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP505/510/560	AP5xx-7.7.1.1-005R.img AP5xx-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP 7522	AP7522-7.7.1.1-005R.img AP7522-LEAN-7.7.1.1-005R.img (included in all NX controller images)
AP 7532	AP7532-7.7.1.1-005R.img AP7532-LEAN-7.7.1.1-005R.img (included in all NX controller images)
AP 7562	AP7562-7.7.1.1-005R.img AP7562-LEAN-7.7.1.1-005R.img (included in all NX controller images)
AP 8533	AP8533-7.7.1.1-005R.img AP8533-LEAN-7.7.1.1-005R.img (included in all NX controller images)
AP 8432	AP8432-7.7.1.1-005R.img AP8432-LEAN-7.7.1.1-005R.img (included in all NX controller images)
AP 7612	AP7612-7.7.1.1-005R.img AP7612-LEAN-7.7.1.1-005R.img (included in all NX controller images)
AP 7632	AP7632-7.7.1.1-005R.img AP7632-LEAN-7.7.1.1-005R.img (included in all NX controller images)
AP 7662	AP7662-7.7.1.1-005R.img AP7662-LEAN-7.7.1.1-005R.img (included in all NX controller images)

Controller Platform	Firmware Image
NX 9500/ NX 9510	NX9500-7.7.1.1-005R.img, NX9500-LEAN-7.7.1.1-005R.img
NX 9600 / NX 9610	NX9600-7.7.1.1-005R.img, NX9600-LEAN-7.7.1.1-005R.img

AP Platforms	Firmware Image
AP302W	AP302W-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP305C/AP305CX	AP3xxC-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP410C/AP460C AP460S6C/AP460S12C	AP4xxC-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP310/360	AP3xx-7.7.1.1-005R.img AP3xx-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP410/460	AP4xx-7.7.1.1-005R.img AP4xx-LEAN-7.7.1.1-005R.img (included in all Controller images)
AP505/510/560	AP5xx-7.7.1.1-005R.img AP5xx-LEAN-7.7.1.1-005R.img (included in all Controller images)
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AP 7632	AP7632-7.7.1.1-005R.img AP7632-LEAN-7.7.1.1-005R.img (included in all NX controller images)
AP 7662	AP7662-7.7.1.1-005R.img AP7662-LEAN-7.7.1.1-005R.img (included in all NX controller images)

Controller Platform	Firmware Image
NX 75XX	NX7500-7.7.1.1-005R.img, NX7500-LEAN-7.7.1.1-005R.img
NX 5500	NX5500-7.7.1.1-005R.img, NX5500-LEAN-7.7.1.1-005R.img

Virtual Platform	Firmware Image
VX 9000 <sup>1</sup> —production iso/img image	VX9000-INSTALL-7.7.1.1-005R.iso, VX9000-7.7.1.1-005R.img, VX9000-LEAN-7.7.1.1-005R.img
VX 9000 – demo iso image	VX9000-DEMO-INSTALL-7.7.1.1-005R.iso <sup>2</sup>

**Note:**

APXXX-LEAN-7.7.1.1-005R.img - built **without GUI component**. AP lean images are also bundled within controller full image.

NXXXXX-LEAN-7.7.1.1-005R.img – built **without AP images**.

**5. FIRMWARE UPGRADE/DOWNGRADE PROCEDURE**

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

**For detailed upgrade procedure, refer to [WiNG 7.7.1.0 release notes](#).**

Upgrade from WiNG v7.x.x.x to WiNG v7.1.1.1

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.

**Note:** You may need to specify the username and password for your ftp server.

3. Restart the controller. To restart the controller, use the **<reload>** command on the CLI.