

**Service Release Notes for WiNG 5.9.2.6-006R**

**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 5.9.2.0-032R). 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 5.9.2.0-032R.

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**1. Resolved Issues**

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

SPR/CQ	Description
SPR-3563	ap7632- sometimes observed Input errors and no inbound packet on ge1 of ap7632.
SPR-3489	dpd2 crash and core on system testbed after overnight (no roaming)
SPR-3561	Unstable LACP port-channel: Outgoing LACP PDUs contain random VLAN ID
WING-37243	AP7632: OOM rim: page allocation failure
WING-37244	SSM core posting statistics to NSight
WING-37251	AP76xx: Logs flooded with "Receive smart probe response"
WING-37520	hotspot_https.conf not updated with TP & hotspotsrvr not getting restarted immediately
WING-37547	AP panic - PC is at kmem_cache_alloc LR is at prepare_creds
WING-37785	AP 7632 panics when running pktcap on Radio
WING-37786	AP 7632 driver lockup when transmitting: ce send fail / out of descriptors
WING-37828	AP 7632 panic at "PC is at ol_tx_completion_handler"
WING-37834	AP7632 After multiple reloads unable to get DHCP leases, and interface related commands are not working

SPR/CQ	Description
WING-37842	Extreme Location hostname gets resolved before certificate validation is done

## 2. Important Notes

- Mixed version deployment:
  - When NX controllers has firmware version 5.9.1.x version, configuration push to AP running WiNG 5.9.2.x might throw the following/similar error message.

```
USER-3-ERR: main.pyo: Feb 23 18:50:57 2018: %USER-3-ERR: main.pyo: * * ERROR: 4
- commit unknown exception - object of type 'Lacp_Cfg' has no len() Feb 23 18:50:57 2018:
%USER-3-ERR: main.pyo: * * ERROR: update own config failed
```

To address this issue – CfgdLacpUpdate.patch needs to be installed on controllers running WiNG 5.9.1.x versions. Patch can be obtained thru Extreme Support.

- Roaming – credential cache update message is not compatible between WiNG 5.9.2 and earlier versions. To mitigate that – new command is added at rf-domain level, which is disabled by default. When enabled it will only send the old cred cache message to the neighbor devices. New command can only be configured if controller running WiNG 5.9.2.4 version or above.

```
ap7532-1A1B18(config-rf-domain-default)#service cred-cache ?
legacy-compatible Force use legacy credential cache format when mixed
versions are deployed
```

- AP 7632 BLE: The current default power is set such that user can detect BLE beacons at distance up to 30'. The user may have to reduce the TX power for their use-case, e.g. micro-locationing. Note that the TX power setting is not the power in dBm, but only an index that follows a logarithmic relation to the output power in dBm.
- Due to upgrade of radius module in WiNG 5.9.2 – if you have Onboard-Radius Server with LDAP Authentication, please note the following:  
Configurations using "(sAMAccountName=%{Stripped-User-Name})" need to be updated to "(sAMAccountName=%{Stripped-User-Name}:-%{User-Name})" prior to performing the upgrade process.

For WiNG 5.7.1 till WiNG 5.9.1 when running Onboard-Radius Server with LDAP Authentication configured, following was required:

Configurations using "(sAMAccountName=%{Stripped-User-Name}:-%{User-Name})" need to be updated to "(sAMAccountName=%{Stripped-User-Name})" prior to performing the upgrade process.

- Chrome v67 and above, automatically redirects traffic sent to 1.1.1.1 to Cloudflare, which is a new service offering DNS over HTTPS.

Many captive portal vendors, including WiNG, use 1.1.1.1 as an internal redirection IP/hostname for guest network splash pages. It's best practices to update Captive Portal Server hostname to make sure that process is working correctly.

### 3. Platforms Supported

This release applies to all platforms released with WiNG 5.9.2.0-032R.

Reminder:

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

Independent AP platforms: AP 6511, AP 6511E, AP 6521, AP 6532, AP 7131, AP 7181, AP 8122, AP 8132, AP 8222, AP 8232, ES 6510 are EOL and engineering support has ended.

Controller platforms: RFS 4011, RFS 6000, RFS 7000, NX 9000, NX 45XX and NX 65XX platforms are EOL and engineering has ended.

### 4. 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 5.9.2 release notes.**

#### Upgrade from WiNG v5.x.x.x to WiNG v5.9.2.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>**ll, 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**.