

Service Release Notes

WiNG 5.9.7.1-008R

IMPORTANT

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 **5.9.7.0-010R**. 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 5.9.7.1-010R.

Contents

Features	1
WiNG-XIQ Secure Communication	1
Commands	1
Fixes	2
Platforms Support	2
Notes	3

Features

WiNG-XIQ Secure Communication

Abhijit Chandavale, Dominic Velikakath Peter

This release introduces secure mechanism for WiNG devices to post configuration and periodic statistics to XIQ. The secure and encrypted channel is established by validating server certificate of XIQ by WiNG controllers and access points followed by device level unique username/password-based authentication by XIQ.

Any WiNG firmware version prior to this feature will continue to establish unsecure communication with XIQ and should be used only in non-production environments.

At any time, WiNG can only be configured with either NSight server hostname or IP address or XIQ URL.

Commands

1. Configuring XIQ URL

WiNG uses existing NSight policy server command for XIQ communication. The same command can be set to XIQ URL `va-gcp-wing.extremecloudiq.com`.

```
CORP-WING1#show running-config nsight-policy XIQ
nsight-policy XIQ
```

```
server host va-gcp-wing.extremecloudiq.com https enforce-verification  
CORP-WING1#
```

2. Installing/updating XIQ CA certificate. This command is optional as XIQ CA certificates will be included in the release. This command is useful when XIQ CA certificate needs to be changed.

This is a new command to install/update XIQ CA certificate on WiNG devices.

```
CORP-WING1# copy xiq-cachain from ?  
URL Location of CA certificate  
URLs: tftp://<hostname|IP>[:port]/path/file  
      ftp://<user>:<passwd>@<hostname|IP>[:port]/path/file  
      sftp://<user>:<passwd>@<hostname|IP>[:port]/path/file  
      http://<hostname|IP>[:port]/path/file  
      cf:/path/file  
      usb<n>:/path/file  
IPv6 URLs: tftp://<hostname|[IPv6]>[:port]/path/file  
           ftp://<user>:<passwd>@<hostname|[IPv6]>[:port]/path/file  
           sftp://<user>:<passwd>@<hostname|[IPv6]>[:port]/path/file  
           http://<hostname|[IPv6]>[:port]/path/file
```

3. Enforcing security and encryption

The existing configuration command for specifying NSight Server (or XIQ) URL will have additional optional parameter **enforce-verification** in order to trigger certificate validation process.

- If parameter is not configured, then WiNG device shall try to establish connection with a NSight server using existing mechanism.
- If parameter is configured, then WiNG device shall try to establish connection with XIQ by validating XIQ certificate and username/password based authentication.

```
CORP-WING1#show running-config nsight-policy XIQ  
nsight-policy XIQ  
server host va-gcp-wing.extremecloudiq.com https enforce-verification  
CORP-WING1#
```

Fixes

Following customer issues are fixed.

ESR/SPR	Description
WING-41966	Onboard WIPS Rogue/Unsanctioned Events UI displays SSID, Syslog does not display SSID
WING-39175	AP7532 IA_SKU goes into brick config with multiple power cycles at customer site
WING-42111	In GUI a Read-only account exposes the snmp v1/v2 read/write community string
WING-42381	AP7662 Core crash

Platforms Support

Supported in this release,

AP7502, AP7612, AP7602, AP7622, AP7632, AP7662, AP8163, AP8432, AP8533, RFS4000, NX5500, NX7500, NX9500, NX9600, VX9000

Supported last in this release,

AP7502, AP8163

Notes

None.