

## Service Release Notes

### WiNG 5.9.1.8-006R

#### 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 5.9.1.0-029R. 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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#### Features

##### WiNG-XIQ Secure Communication

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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.

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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.

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

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#### 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

None.

## Platforms Support

Supported in this release,

AP6521, AP6522, AP6532, AP6562, AP7161, AP8122, AP8132, AP8232, AP8432, AP8533, RFS4000, RFS6000, NX5500, NX7500, NX9500, NX9600, VX9000

Supported last in this release,

AP6521, AP6532, AP8122, AP8132, AP8232, RFS6000

## Notes

None.