Service Release Notes

WiNG 7.3.0.2-011R

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 7.3.0.0-038R. 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 7.3.0.0-038R.

Contents

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-42111	In GUI a Read-only account exposes the snmp v1/v2 read/write community string

Platforms Support

Supported in this release,

AP7522, AP7532, AP7562, AP7612, AP7632, AP7662, AP8432, AP8533, AP510, AP505, AP560, AP410, AP460, RFS4000, NX5500, NX7500, NX9500, NX9600, VX9000

Notes

This release supports XCA 4.76.01.0081. See XCA release notes for more information.

Previous Service Release 7.3.0.1-016R

Previous service release 7.3.0.1-016R is released with the XCA 4.76.01.0081.

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

CRID	Description
WING-42360	AP560 radios now operate in 2x2 when using low pwer mode.
WING-42346	Corrected Probe Suppression -> Force Disassociate on AP5xx.
WING-42508	Resolved Smart-RF not changing channel assignment.