Software Release Note
Vocality Gateway Suite 8.1.1

Date of software release: 11th June 2024
Release Note date: 11th June 2024
Release Note version: 1.0
Release Identification: 8.1.1-b820e8e13

Purpose of Release

Contains minor updates from the 8.1.0 release.

The key purpose of the release is to improve stability of TLS connections, particularly recovering correctly from a loss of connection to the server. There is also a new SIP source address option for VLANs.

Document History

Version	Date	Details
1.0	11th June 2024	Initial Draft

Hardware Affected

This release is targeted to all versions of Cubic's RoIP, M3X RoIP and M3-SE-MFGW.

Pre-Requisites

This release should only be installed on Cubic's RoIP products currently running release 4.17.2 and later.

For earlier releases, please use the Software Portal to upgrade to 4.17.2 first.

Upgrade Instructions from Releases Prior to 7.1.2

Before starting the upgrade to 8.1.1, please check whether you are connected to the device via an IP address or the admin.vocality.com DNS name. If the latter, please follow these instructions before performing the upgrade.

The admin.vocality.com domain name was removed in release 7.1.2, so you will need to access the device via its LAN IP address after the upgrade, instead of admin.vocality.com. Therefore before upgrading, take careful note of the LAN IP Addresses for the RoIP.
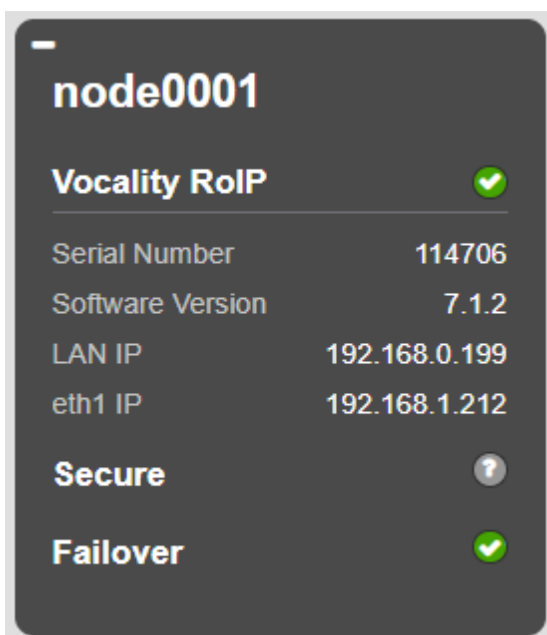
It's prudent to have a backup of the RoIP configuration. This can be done in Platform->Config Files.

Once you have completed the upgrade:-

- Open a new browser tab/window.
- Enter the IP address of the RoIP to connect to the user interface.
- Accept the browser security warning.
- You should now have 8.1.1 installed on the RoIP.

AT&T Users

Please ensure any upgrade from a release prior to 7.1.2 is performed online. If you need to do an offline upgrade, please contact a member of the Cubic support staff for assistance.

RESTful API Users

The admin.vocality.com domain name and associated certificate was removed in release 7.1.2. When using an HTTPS connection for the RESTful API, the connection will default to a self-signed certificate generated on the RoIP. Therefore a client cannot verify this certificate.

For customers wanting to validate the RoIP certificate when using the RESTful API, it is recommended to create and upload your own certificates to the RoIP for use with the HTTPS connection. This can be done on the Tunnels -> Certificate & Key Management page of the UI. The certificate can then be selected for the HTTPS connection on the Platform->Access page.

Key Features and Enhancements

Enhancements

- Improvements to TLS recovery handling to ensure graceful recovery of TLS connections when the connection with the server has been temporarily lost. Also improved TLS connection cleanup handling and TLS connection logging.
- Enable the user to configure a VLAN interface to run DHCP.
- A new tab has been added to the Network->Routing page which displays the current routing table.
- The SIP source address can now be configured as a VLAN interface. If this can dynamically change IP address, the SIP connection will automatically handle the change.

Bug Fixes

- Fixed an issue where the Wi-Fi adapter doesn't display correctly on the user interface if the access point has a numeric SSID.
- Ensure logging resumes correctly on boot in the case where the log files were full before the device was rebooted.
- Improved the reboot mechanism activated from the UI to ensure it is more reliable.
- Logging improvements.
- Ensure that when an RTP stream is configured as RX Only or RX No FWD, no unnecessary packets are sent.
- The additional reboot on upgrade (to reset the modem if it hasn't already been reset) which was introduced in 8.0.0 release has now been removed. This is following the modem improvements in 8.1.1 and to ensure the upgrade process is as short as possible.

Security fixes

- A number of open-source CVE patches have been applied.

Component Version Numbers

Changes highlighted.

- vocality_api-2.2.0

- vocality_database-1.3.0
- vocality_dispatch-1.6.0
- vocality_filesystem-1.1.1
- vocality_mcpttgateway-2.0.2
- vocality_modemupgrade-1.2.5
- vocality_multibearer-3.4.2
- vocality_nodemanager-4.17.2
- vocality_nodeui-4.19.1
- vocality_password-1.1.1
- vocality_picfirmware-1.1.0
- vocality_radiogateway-4.8.3
- vocality_registry-3.4.0
- vocality_registryclient-3.4.0
- vocality_release-8.1.1
- vocality_secure-4.2.3
- vocality_serial-3.2.1
- vocality_utils-2.2.3