

Software Release Note

Vocality Gateway Suite 8.0.1

Date of software release: 14 December 2023

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Release Note version: 1.0

Release Identification: 8.0.1-78546def3

Purpose of Release

Contains minor updates from the 8.0.0 release. These include minor bugfixes to improve OPUS codec operation and software upgrade reliability, as well as patches to known open source software vulnerabilities.

Document History

<u>Version</u>	<u>Date</u>	<u>Details</u>
1.0	14 December 2023	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 8.0.1, 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 8.0.1 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.

Cellular Users, upgrading from pre-8.0.0 builds.

This release incorporates a modem reset on soft shutdown. The reset is to clear erroneous modem state which could be causing issues; it will not impact any cellular settings / configuration.

When applying the upgrade, the unit will automatically trigger an additional reboot to reset the modem. This will extend the upgrade time by ~60 seconds. The procedure is completely automatic.

This additional automatic reboot only applies when upgrading to this release, not to any future upgrades.

Key Features and Enhancements

Bug Fixes

- Fixed talk group screen display issue when connecting and disconnecting the RoIP Connect.
- The RTP Stream Configuration for the OPUS codec was not being used properly. As a result the OPUS codec RTP Packets were much larger than they should have been. This has now been fixed.
- Added a post upgrade watchdog to ensure all post upgrade operations complete successfully. If there are any issues, the unit will automatically trigger a retry of the operation.

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-2.0.1

- vocality_modemupgrade-1.2.5
- vocality_multibearer-3.4.2
- vocality_nodemanager-4.17.0
- vocality_nodeui-4.19.0
- vocality_password-1.1.1
- vocality_picfirmware-1.1.0
- **vocality_radiogateway-4.8.1**
- vocality_registry-3.4.0
- vocality_registryclient-3.4.0
- vocality_release-8.0.1
- vocality_secure-4.2.3
- vocality_serial-3.2.1
- vocality_utils-2.2.3

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