

Software Release Note

Vocality Gateway Suite 9.0.2

Date of software release: 3rd March 2026
 Release Note date: 3rd March 2026
 Release Note version: 1.0
 Release Identification: 9.0.2-dd97a5b412

Purpose of Release

The key purpose of the release is to deliver the incremental 9.0.0, 9.0.1 and 9.0.2 releases.

9.0.0

Update the RoIPs underlying operating system, to improve security and stability.

9.0.1

Revert a default failover setting which was updated in 9.0.0, to the pre 9.0.0 default. Please note that all configuration is retained across upgrades irrespective of whether values have been changed from the default, so changes to the default settings only apply after a factory reset or fresh installation.

9.0.2

Fix several bugs, including resolving loss of audio on boot when the latency is set to a non-default value.

Document History

<u>Version</u>	<u>Date</u>	<u>Details</u>
1.0	3rd March 2026	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.

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Upgrade Instructions

This software release will only upgrade from the 8.2.2 release, or later, due to a change in the image encryption.

Changes in 9.0.0

Notifications

- The Dispatch page of the UI has been removed. Therefore this functionality is no longer supported.
- The default settings for the Failover operation have changed. These will only take effect after a factory reset or on a new installation.
 - The default revert timer is changed from 0 to 3 minutes.
 - ♣ This avoids constant switching between bearers if there is an intermittent connection.
 - ♣ Please note that the RoIP will revert to the primary bearer immediately if there is a loss of connectivity on the backup.
 - The default check time is changed from 1 second to 1 minute.
 - The default ping timeout has been changed from 10 seconds to 5 seconds.

Enhancements

- Upgraded the RoIP's Linux-based OS to bring in newer versions of open-source components and remove certain security vulnerabilities. See the Security Changes section for more information.
- Added support for TLS version 1.3 when using TLS in a Talk Group. It will automatically fall back to TLS 1.2 if not supported by the peer.
- Added VLAN interfaces to the status information panel on the web UI.
- Introduced a new SIP answer timeout setting on a per SIP account basis. If the call is not answered within this time, the call is closed. A new call can then be attempted. Previously the call would present indefinitely. This could cause issues if the call destination never answered or was temporarily offline.
- Upgraded RallyTac software to version 1.250.9090
- When using RallyTac, multiple Root CA's can now be configured.
- Updated the highest user configurable port number from 49151 to 50199.
- Major upgrade to the diagnostics console functionality to resolve issues where certain commands did not operate correctly.

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Bug Fixes

- Fixed issue preventing the serial port Terminal Server mode working correctly.
- Fixed a SIP call issue when making a call between two RoIP devices. When there was two-way audio there would be two calls up instead of one, with each RoIP having started a new call for the audio. This issue is now resolved.
- Fixed an issue with incorrect telephone-event tracking on a DTMF event during a SIP call. This was only an issue if the call had not been initiated from the RoIP.
- RoIP could previously have audio disruption if an external Rallypoint was set to itself, due to an issue with looping. This issue has now been resolved.
- Resolved issue with nodeManager not shutting down correctly if there has been a time jump backwards. Also reduced the time taken for nodeManager to shutdown and thus for the unit to reboot.
- Fixed an issue where the metric for a static route was not being correctly applied.
- Fixed an issue with Audio Port 1 not being operational after a license for additional audio ports expired.

Restful API

- Add Secure SIP configuration to the RESTful API.

Security Changes

- Disable TLS 1.0 and 1.1
- Fixed the following critical/high/moderate CVE's
 - <https://nvd.nist.gov/vuln/detail/CVE-2020-15862>
 - <https://nvd.nist.gov/vuln/detail/CVE-2022-24903>
 - <https://nvd.nist.gov/vuln/detail/CVE-2022-23303>
 - <https://nvd.nist.gov/vuln/detail/CVE-2022-23304>
 - <https://nvd.nist.gov/vuln/detail/CVE-2019-11455>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-12087>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-12088>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-38428>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-10979>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-7348>
 - <https://nvd.nist.gov/vuln/detail/CVE-2023-43804>
 - <https://nvd.nist.gov/vuln/detail/CVE-2023-50387>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-26256>
 - <https://nvd.nist.gov/vuln/detail/CVE-2025-25724>
 - <https://nvd.nist.gov/vuln/detail/CVE-2025-5914>
 - <https://nvd.nist.gov/vuln/detail/CVE-2025-47273>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-45491>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-28757>
 - <https://nvd.nist.gov/vuln/detail/CVE-2024-45490>

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- o <https://nvd.nist.gov/vuln/detail/CVE-2024-45492>
- o <https://nvd.nist.gov/vuln/detail/CVE-2023-42465>
- o <https://nvd.nist.gov/vuln/detail/CVE-2025-27113>
- o <https://nvd.nist.gov/vuln/detail/CVE-2022-24810>
- o <https://nvd.nist.gov/vuln/detail/CVE-2022-3094>
- o <https://nvd.nist.gov/vuln/detail/CVE-2022-3488>
- o <https://nvd.nist.gov/vuln/detail/CVE-2023-4408>
- o <https://github.com/advisories/GHSA-67hx-6x53-jw92>
- o <https://github.com/advisories/GHSA-vxmc-5x29-h64v>
- o <https://github.com/advisories/GHSA-4p24-vmcr-4gqj>
- o <https://github.com/advisories/GHSA-9v3m-8fp8-mj99>
- o <https://github.com/advisories/GHSA-q58r-hwc8-rm9j>
- o <https://github.com/advisories/GHSA-3wqf-4x89-9q79>
- o <https://github.com/advisories/GHSA-3mcp-fx93-9xv5>

Changes in 9.0.1

Bug Fixes

- Revert the default link check time in the failover menu from 1 minute back to 1 second. The new default therefore matches that of releases prior to 9.0.0.
- Fix a display issue with audio ports, when removing and reconnecting a RoIP Connect.

Changes in 9.0.2

Bug Fixes

- Fixed a bug which caused an intermittent loss of audio after boot, when the latency was set to a non-default value. The issue could be resolved by editing another Audio Port / Talk Group setting.
- Fixed a display issue when UI window size is decreased. The tabs on the Radio page became too small to read the Talk Group name.
- Resolved issue resulting in no audio on the device when there wasn't a license present (or the radio ports license had expired). There is 1 audio port activated by default, so the unit should have audio on that port even without a license.
- Added SIP Answer Timeout help text.
- Fixed a potential invalid memory read if ModemManager process is not running.
- Fixed the RESTful API not operating correctly for the Engage General settings (a regression from 9.0.0)

Security updates

- Ensure software downloads are downloaded via HTTPS not HTTP.

Component Version Numbers

Changes highlighted.

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- vocality_api-2.2.2
- vocality_database-1.3.0
- vocality_dispatch-1.6.0
- [vocality_filesystem-1.1.2](#)
- vocality_mcpttgateway-2.0.2
- vocality_modemupgrade-1.2.8
- [vocality_multibearer-3.4.3](#)
- [vocality_nodemanager-4.18.1](#)
- [vocality_nodeui-5.0.2](#)
- vocality_password-1.1.2
- vocality_picfirmware-1.1.0
- [vocality_radiogateway-6.0.1](#)
- vocality_registry-3.4.0
- vocality_registryclient-3.4.0
- [vocality_release-9.0.2](#)
- vocality_secure-4.2.3
- vocality_serial-3.2.1
- [vocality_utils-3.0.0](#)

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