

Product Notice #0397



Software Update for AudioCodes SBCs & Gateways -- Major Version 7.4 --

AudioCodes is pleased to announce the release of major software update **Version 7.4** for AudioCodes' Session Border Controllers (SBCs) and Media Gateways. This is a Latest Release (LR) version (7.40A.002).

This update includes many new and exciting features. Some of the key features are listed below. For a full description of this release, refer to the [Release Notes for Latest Release Versions](#) on AudioCodes website.

This software update (.cmp file) is available for download from AudioCodes Services Portal at <https://services.audiocodes.com>.

Affected Products

All hardware-based and software-based SBC platforms.

Note: Version 7.4 for Mediant Software and Mediant 90xx SBCs is planned to be officially released by Y/E'20. A Product Notice will be published to announce their support.

Key Features

- Mediant 9080¹ and Mediant 4000B SBCs fully comply with Federal Information Processing Standards (FIPS) 140-2 Level 1. For more information on AudioCodes' FIPS certification, go to <https://csrc.nist.gov/projects/cryptographic-module-validation-program/certificate/3708>.
- Mediant 9080¹ and Mediant Software¹ support Lawful Interception (LI) functionality for intercepting signaling and media traffic of specific (targeted) subscribers towards mediation devices in Law Enforcement Agency (LEA) networks.
Note: LI functionality is not included in our standard 7.4 software version build; only Customers that specifically order and license LI functionality from AudioCodes will receive a dedicated software build that includes the LI functionality.

- New performance monitoring (PM) infrastructure, offering the following enhancements:
 - Five-fold increase in the number of key-performance metrics (KPI), measuring almost every aspect of the SBC, including additional areas such as license usage, DDOS, CPU utilization and memory usage.
 - Capability to configure a fully customized threshold-crossing SNMP trap event for any required performance monitoring parameter and entity (e.g., per IP Group). The threshold value to raise and to clear the event can be configured, as well as the severity level and trap message.
 - Delivery of performance monitoring to multiple interfaces such as REST API, SNMP, CLI, Web and OVOC. REST and CLI interfaces also enable the user to perform flexible queries, including the ability to query multiple concurrent performance monitoring parameters in a single request.
 - Web interface provides a sophisticated tool for creating graphs for plotting performance monitoring parameters (real-time or historical). The graphs can be customized (labels, line color, and legend) and can be sent to a printer or downloaded as a file (e.g., PDF or PNG).
 - Number of stored 15-minute collection intervals has been increased to 4 (from 2) for historical measurements (some performance monitoring parameters have even been increased to a 100 – reflecting 25 hours).

Note: Version 7.4 doesn't maintain backward compatibility for performance monitoring metrics supported in Version 7.2.

- SBCs can generate Session Detail Records (SDRs). Unlike a CDR, which is generated per SBC leg, an SDR is generated for both legs. In other words, an SDR is a call detail record of the entire call session. In addition, SDRs contain call information relevant for billing applications.
- Improved protection from Denial of Service (DoS) and Distributed Denial of Service (DDoS) attacks for Mediant Software¹ and Mediant 90xx¹ SBCs:
 - Enhanced prevention of DoS/DDoS SIP flood attacks
 - Improved defense against TCP/IP vulnerabilities
 - Optimal handling of SIP user registration avalanche
 - Designed to prevent over-the-top traffic from unknown sources
 - Dynamic resource allocation mechanism to service trusted sources, while avoiding starvation of untrusted traffic
- SBCs can now determine the optimal media path for Local Media Optimization between Microsoft Teams clients in a Microsoft Teams environment, based on SBC/ARM routing decisions. This capability allows media optimization when:
 - Local routing by SBC
 - Alternative routing by SBC
 - Routing by ARM

Up until this version, optimal media path applied only to calls where Microsoft Phone System was aware of the entire end-to-end routing.

- Debugging enhancements:
 - Persistent Logging - Mediant 2600, Mediant 4000, Mediant 90xx¹ and Mediant Software¹ SBCs now automatically save logged event messages to their local storage / disk, which remain (persistent) even after the device resets or powers off. The persistent log files can also be downloaded in a compressed tar.gz format. The persistent log file has also been added to the debug file.
 - Various enhancements to the Debug Recording mechanism. For example, the Mediant 90xx¹ and Mediant Software¹ SBCs can save the debug recording file to the local storage which can be later downloaded via SFTP.
- TLS certificates can now be changed online (active calls are not affected).

Note: This SBC version is compatible with OVOC Version 7.8.2000 or later.



If you have any questions, contact us at
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