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Voice Platform Media Control Platform

8.5.181.78

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Voice Platform Media Control Platform Release Notes

Release Date	Release Type	Restrictions	AIX	Linux	Solaris	Windows
09/15/17	General			X		X

Contents

- **1 8.5.181.78**
 - 1.1 Helpful Links
 - 1.2 What's New
 - 1.3 Resolved Issues
 - 1.4 Upgrade Notes

What's New

This release contains the following new features and enhancements:

- Media Control Platform (MCP) no longer sends the **swirec.secure_context** or **swirec.mute_wcr** property to the ASR server through MRCPv1. Nuance Recognizer does not support these parameters with MRCPv1.
- A new MCP configuration option **cpa.no_ring_result** specifies the call progress analysis (CPA) result if no ringback is detected before the postconnect event arrives. The default option value is **none (0)**, that is, postconnect CPA proceeds normally after the postconnect event arrives. Other valid values are **busy (2)**, **human (15)**, **machine (16)**, **fax (17)**, and **no_media (18)**. If this option value is set to any one of these values, the specified CPA result is returned immediately after the postconnect event arrives, and no further CPA occurs.
- MCP now supports MRCP 201 response. Previously, MCP was sending an error response for 201 responses.
- MCP now supports a new codec library for MP3 encoding/decoding. Using this codec library resolves the issue where MCP unexpectedly terminates in specific environments while performing MP3 recording using the earlier MP3 encoding library. As this issue occurs only in specific environments, Genesys recommends continuing with the existing default configuration if no issues are observed while performing MP3 recording. The legacy codec continues to be available and is set as the default option.

The default option can be changed using the parameter **mp3.use_current_encoder**. The other new parameters are:

- **mp3.use_integer_transcoder_current_encoder**
- **mp3.compression_level_current_encoder**

Note: The legacy codec has a bug when writing MP3 format audio, and it is not being evolved by Intel. Prototyping has indicated that the new codec does not exhibit this behavior, but does have somewhat lower performance.

- MCP now supports configuring the **TCP_NODELAY** option for LibCurl. Enabling **enabletcpondelay** (default) causes small segments of data to be sent without delay (disabling the Nagle algorithm).

Helpful Links

Releases Info

- [List of 8.5.x Releases](#)
- [8.5.x Known Issues](#)

Product Documentation

[Genesys Voice Platform](#)

Genesys Products

[List of Release Notes](#)

Resolved Issues

This release contains the following resolved issues:

MCP no longer crashes during heavy load IVR Recording scenarios. Previously, during some extreme scenarios, the VXML call leg was terminated before the IVR recording started, due to delays in the media layer. (GVP-24088)

MCP now terminates the call and throws a trap when the allocated JS memory limit for the call is exceeded. Previously, MCP continued processing the call and terminated after running out of JS memory. (GVP-24192)

MCP now respects the value in **msml.record.amazonpostmode** parameter used to perform the Get bucket location request required for the Amazon Web Services (AWS) V4 signature. Previously, the AWS Get bucket location request required for the V4 Signature did not respect the **msml.record.amazonpostmode** configuration, and used HTTP, even when it was configured to use HTTPS. (GVP-24007)

When Voiceprint CPD is enabled with a short postconnecttimeout value, MCP returns **cpd.silence** as the CPD result if it does not detect the actual CPD result. Previously, MCP sent **cpd.preconnect_timeout** as the CPD result when the postconnect event arrived. (GVP-23943)

MCP now validates the namelist elements of the send tag by evaluating them. If an element is found to be a Document Object Model (DOM) object, MCP returns an error and does not process the namelist further. Previously, MCP crashed when the DOM object was sent as a namelist property. (GVP-23874)

Timestamps of Real-time Transport Protocol (RTP) packets sent to a third-party recording server now reflect the real-time stream when DTMF interleaves with audio packets. Previously, when MCP forwarded audio/DTMF interleave packets to a third-party recording server, the timestamps that the recording server relied on, were disarrayed. This resulted in the caller's audio stream becoming unsynchronized in the recorded file. (GVP-23821)

MCP now reuses the SIP request's TCP connection when responding to the request. Previously, MCP tried to initiate a new TCP connection to the FQDN or IP (and port) present in the VIA header of the request. As a result, MCP failed to send a SIP response to the request if the remote did not accept a new TCP connection (for example, if the remote was a F5 load balancer or Genesys Composer). (GVP-35065)

Upgrade Notes

No special procedure is required to upgrade to release 8.5.181.78.