



VXML Interaction Server Release Notes Version 5.0.6.253

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New Features or Major Changes for VXML Interaction Server Version 5.0.6.253

Overview

This topic details new or enhanced features added to VXML Interaction Server.

Release 5.0.6

JBoss EAP Support

This version of VXML Interaction Server has been validated to support the Red Hat JBoss EAP Version 6.0. Refer to the Using JBoss EAP Web Server topic in the [VXML Interaction Server Configuration Guide Version 5.0.6](#).

Interactive Voice Gateway (IVG) Support

VIS has been updated to work in combination with the IVG platform to provide inbound and outbound call processing in environments that do not support a VXML IVR platform capable of executing Virtual Hold's callbacks. VIS, combined with Apache tomcat, delivers Virtual Hold's callback application to the IVG. Refer to the [IVG Installation](#) and [IVG Administration](#) guides for more information.

Release 5.0.5

Source Package

The VIS source package is now available with the VIS software distribution.

VIS Genesys IDriver for AVP/AEP Support

VIS now incorporates a Genesys IDriver to facilitate retrieval and attachment of userdata from/to the call on both inbound and outbound sides when running on AVP/AEP with H.323 using Tomcat. Support is for both Windows and Linux platforms. Refer to the [VIS Genesys IDriver for AVP and AEP Release Notes](#) for more information.

Release 5.0.4

Mandarin Chinese Language Support

The Mandarin Chinese language is now supported.



Answering Machine Detection Support for GVP

Configuring Virtual Hold for Voice and Answering Machine Detection is now supported.

Release 5.0.3

Inbound Application Transfer to VXML Interaction Server

Transferring application control between a customer application and VXML Interaction Server (VIS) to Offer Virtual Hold treatment is now supported in Avaya AVP-SIP environments. This is achieved by passing the following parameters to VIS on a Subdialog request: Tenant, SUBDIALOG, Segment, MODE, ExternalTrackingId and UserData. The VIS returns control from the Subdialog, passing the following variables: interactionID, inbound_result, ewt_spoken and caller_input to indicate the Virtual Hold treatment result and a call control directive to be taken. Refer to the [AVP and AEP Integration Guide](#) for more information.

Outbound Application Transfer to VXML Interaction Server

Transferring application control from VXML Interaction Server to a customer application on callback is now supported in Avaya AVP-SIP environments. This is achieved using the VoiceXML Submit element, passing application control to a customer-configured application through the Next attribute. The following parameters are passed to the customer-configured application: Tenant, Segment, ExternalTrackingId, InteractionId (original Inbound interactionId), Callback Type and UserData. Refer to the [AVP and AEP Integration Guide](#) for more information.

Release 5.0.2 HF1

WebLogic Support

Support for the WebLogic version 10.3.6 has been added to this release.

Release 5.0.2

Dutch Language Support

The Dutch language is now supported.

French Language Formatter Enhancement

The French language formatter has been enhanced.

Release 5.0.1



External Voice Projects

A client's collection of voice files can now reside on a media server separate from the VIS application server. This external voice project can be edited independently outside of Eclipse and then deployed to the server without building a new VXML project or .war file. This allows for quicker deployment and easier customization of the voice files.

Any number of media servers may be configured for the external voice projects. Apache Tomcat, Apache Web Server with PHP (Windows), and Microsoft IIS are supported. If multiple media servers are set up, they can be used either in a distributed (balanced) fashion or in a "failover" mode. This helps to ensure that voice files will still be played if a server stops responding.

Virtual Hold provides a default folder containing a set of voice files in the Download Center.

Clients should download this folder first and deploy it to the media server(s). Clients who use customized voice files must create a new folder for each set of custom files. The new folders will also be deployed to the media server(s). This process now requires fewer steps than previous versions of VIS and can be performed outside of Eclipse.

The VXML Interaction Server will use the configuration details set up in the `toolkit.properties` file and the Language Settings section of EyeQueue. This configuration information tells VIS where to look for the voice files. When VIS needs to play a voice prompt, it will look for a customized voice file first and play that file if found. Otherwise, the default voice file is played.

SpanishNorthAmerican Changed to SpanishNA

The SpanishNorthAmerican language entry in EyeQueue has been changed to SpanishNA. You must manually change this entry for any segments which use Spanish North American.



Feature and Integration Matrices for VXML Interaction Server Release 5.0.6.253

Overview

Contact Virtual Hold Technology's Product Management team (ProductManagement@virtualhold.com) if you are interested in deploying a Controlled Release feature.

VXML Interaction Server file names, folder names, and supported languages:

Date	Version	.WAR File Name	Voices Folder Name	Supported Languages
January 13, 2014	VIS 5.0.1	VIS_5.0_R1	Voices_5.0_R1	English, FrenchCanadian, and SpanishNA
February 13, 2014	VIS 5.0.2	VIS_5.0_R2	Voices_5.0_R2	English, French and SpanishNA
March 10, 2014	VIS 5.0.2 Hotfix 1	VIS_5.0_R2_HF1	Voices_5.0_R2_HF1	Dutch, English, French, and SpanishNA
April 4, 2014	VIS 5.0.3	VIS_5.0_R3	Voices_5.0_R3	Dutch, English, French, and SpanishNA
April 30, 2014	VIS 5.0.4	VIS_5.0_R4	Voices_5.0_R4	Dutch, English, FrenchCanadian, SpanishNorthAmerican (or SpanishNA for VIS 5.0), and MandarinChinese
June 17, 2014	VIS 5.0.5	VIS_5.0_R5	Voices_5.0_R5	Dutch, English, FrenchCanadian, SpanishNorthAmerican (or SpanishNA for VIS 5.0), and MandarinChinese
November 5, 2014	VIS 5.0.6	VIS_5.0_R6	Voices_5.0_R6	Dutch, English, FrenchCanadian, SpanishNorthAmerican (or SpanishNA for VIS 5.0), and MandarinChinese

VXML Interaction Server 5.0 features and their statuses:

Integration	Protocol	3rd Party IVR	Status
Avaya TSAPI and VIS Genesys IDriver	H.323	AVP	Generally Available



Integration	Protocol	3rd Party IVR	Status
Avaya TSAPI	H.323/SIP	AVP	Generally Available
Genesys T-Server	H.323/SIP	AVP	Generally Available
Genesys T-Server (ORS/URS)	SIP	GVP	Generally Available
Cisco UCCX	N/A	N/A	Generally Available
Cisco UCCE	H.323/SIP	CVP	Generally Available
ININ (i3)	N/A	CIC	Generally Available
IVG with Avaya TSAPI	SIP	N/A	Controlled Release
IVG with Genesys T-Server	SIP	N/A	Controlled Release

Limitations with VXML Interaction Server Version 5.0.6.253

Overview

The following limitations apply to VXML Interaction Server Version 5.0.6.253:

- AVP environments using H.323 as the outbound protocol have callback transfers incorrectly reported as transfer errors. This is a limitation of the H.323 protocol. Using SIP as the outbound protocol correctly reports callback transfers. For more information, please see [Choosing a Signaling Protocol for AVP/AEP Integration](#).
- Answering Machine Detection is supported only with AVP, CIC, GVP, and Cisco CVP platforms but **not** with Cisco UCCX and IVG.
- Callback Double Check (CBDC) with Rescheduled Callbacks is not supported.
- Dial Extension is not supported.
- Dial Department is not supported.
- Calls in IVR displayed in Queue Statistics screen of Queue Watch is supported only with Virtual Hold Releases 8.0.3 and later.
- Line Status in QueueWatch is not supported.
- Name Recording for UCCX is supported only with UCCX Releases 8.5 and 9.0.
- Scheduled callbacks are supported only on GVP platforms where the VH_TZ_OFFSET KVP is passed in user data.
- Notify is not supported.
- Prompt Recorder is not supported.
- Rapport is not supported.
- Name Files cannot be played from WebLogic. Name Files can be played from IIS. Refer to the appropriate [VIS](#) guides for more information.
- For AVP environments using Subdialog on an outbound call, if the Subdialog fails, the call is reported as AgentAnswered even though the call was TroubleDisconnected when the outbound.cleanupcallbeforesubdialog is set to TRUE.



Fixed Issues for VXML Interaction Server

Overview

This section is cumulative for all fixed issues in each version of VXML Interaction Server (VIS).

Version 5.0.6.253

Fixed issues and added functionality for this release.

Release Date: November 5, 2014

ID	Description	Reported as a Known Issue in:
66361580	The VH_Result Key-Value Pair (KVP) was not being set to on the inbound leg of the call, which should return "Hold" for a Chose Hold call.	4.1.2
66870228	GVP-specific behavior in VIS caused callers to loop though a section of the callflow instead of being transferred or disconnected if no default transfer destination was specified in the toolkit.properties configuration file. Now, the GVP-specific behavior in VIS for this scenario has been changed to match its AVP-specific counterpart. If no default transfer destination has been specified, a trouble disconnect message plays and the call disconnects.	5.0.2
68290948	The AVP module now passes the interaction data it collects to the outbound calldirector in order to eliminate the need to initiate a second webservice call to retrieve interaction data shortly after the first.	4.1.2
74983488	With a call volume of 200 calls per minute, a PTK time-out error is observed with the execution of theGetNextAppointmentTimes method to determine whether scheduled callbacks should be offered.	5.0.4, 5.0.5
77737182	VIS calls were trouble transferred when the ANI (Automatic Number Identification) was empty, which caused Platform Toolkit (PTK) to throw an exception.	N/A
78318344	VIS calls were trouble transferred when the ANI (Automatic Number Identification) was empty, which caused Platform Toolkit (PTK) to throw an exception.	5.0.1
78318500	VIS Rescheduling max invalid options did not send a disposition to QM. When a caller was rescheduling in VIS and it errored out due to max invalid key presses in a menu, the call is disconnected but the disposition is not sent to QM so the callback attempt has to timeout in QM before the retry attempt will be made.	



ID	Description	Reported as a Known Issue in:
79362102	For Callback Double Check (CBDC), the system would always announce the actual Estimated Wait Time (EWT) for ASAP callbacks instead of allowing maximum, minimum, and range announcement styles as appropriate. The style of EWT announcement for ASAP callbacks is now calculated using a combination of the Remaining EWT for the interaction along with the style parameters and passed in during segment information retrieval.	7.6
80452368	IRDISCONNECT was not being set resulting in it being null instead of true. This caused the caller to hear incorrect prompts on invalid attempts on the scheduling options. A change was made so that at the start of AfterHours, IRDISCONNECT is now assigned the value from VIRTUALQMAXTRYDISCONNECT the same way that this is done in CallDirector_VirtualQ/VirtualQ.	N/A

Version 5.0.5.3672

Fixed issues and added functionality for this release.

Release Date: June 17, 2014

ID	Description	Reported as a Known Issue in:
68065594	VIS no longer announces EWT when "Speak EWT Before Transferring to Hold" is set to FALSE, only when set to TRUE.	5.0.2
68717306	While listening to the callback description menu, callers would hear information about rescheduling a callback as an option even though Rescheduling was not set. This does not occur any longer.	5.0.3
68751582	Callers were offered Callback Double Check (CBDC) prior to hearing the Virtual Hold IVR even though ANI detection was turned off.	
68805222	When using VIS with GVP, if an error occurred in the Outbound Callflow, VIS should have used the "com.virtualhold.toolkit.outbound.defaultdestination" to transfer the caller to queue but was using the "com.virtualhold.toolkit.defaultdestination". It now correctly uses this.	5.0.2
70968898	GVP user data was not being attached when using the MandarinChinese language.	5.0.4



71432306	When CBDC is enabled and a caller attempts to schedule a second callback within the "time remaining threshold" for their first callback, CBDC now cancels the first callback and transfers the caller to the priority queue.	
72773880	When a caller attempts to schedule a callback for an unavailable time slot on another day, the system now prompts the user after they reach max invalid scheduled attempts and transfers them to the queue.	

Version 5.0.4.3553

Fixed issues and added functionality for this release.

Release Date: April 30, 2014

ID	Description	Reported as a Known Issue in:
67878866	Callers were offered a scheduled callback when Queue Manager reported no scheduled times as being available. This has been corrected so that the caller is not trouble transferred and is not offered Scheduling options.	5.0.2
68065210	An incorrect Final Fate or Transfer Error (Q19) was occurring in QueueSpeak Mode when the user was abandoning the call. This has been corrected so that the Final Fate is Abandon on Incoming (Q0).	
68398380	When a caller chooses to schedule a call for a different time instead of confirming their original scheduled callback time, the possibility of an endless loop could occur while the caller chooses a different time for their scheduled callback. This has been corrected so a caller only receives two opportunities to choose the scheduled time.	
68770702	When a caller's original scheduled time is not available, there was the possibility of an endless loop while the caller would choose another time for their scheduled callback. This has been corrected so a caller receives two opportunities to choose a different scheduled time.	
68805064	In GVP, the Outbound Transfer default destination was missing for French Canadian language formatter. This has been corrected.	



Version 5.0.3.3520

Fixed issues and added functionality for this release.

Release Date: April 4, 2014

ID	Description	Reported as a Known Issue in:
67781426	In a VIS inbound callflow, if a duplicate external tracking ID error occurred causing a trouble transfer, a Spanish prompt was playing even though the language was set to English. This has been corrected.	N/A

Version 5.0.2.3421

Fixed issues and added functionality for this release.

Release Date: February 13, 2014

ID	Description
DE1554	For UCCX environments, the equal sign and comma characters in user data attached to calls was causing a parsing error, which resulted in the trouble transfer of the call. Now, these characters are acceptable.
DE1555	Platform Toolkit returned an error when it attempted to make the UpdateUserData call with the following special characters in the user data: ampersand (&), apostrophe ('), greater-than sign (>), less-than sign (<) or quotation mark ("). Now, these characters are acceptable.
DE1572	English-language scheduled callback confirmation has been corrected to speak the word "on" when indicating the day of the week the callback has been scheduled to be made. Previously, this word had been omitted from the confirmation message when the scheduled time was not the same day, next day or same day of the next week.
DE1584	VIS was sending every key value pair to Platform Toolkit (PTK) as a string. Now, VIS supports the passing of the correct data type to PTK.
DE1588	The word "and" is now spoken between "hour" and "minutes" when EWT is spoken in English; e.g., "Current hold time is one hour and four minutes."
DE1627	The scheduled callback confirmation 'Invalid Response' now trouble transfers the call to a queue instead of disconnecting it.
DE1628	The 'Invalid Response' prompt now plays on the scheduled callback confirmation. Previously, it did not play.



Version 5.0.1.3391

Fixed issues and added functionality for this release.

Release Date: January 13, 2014

ID	Description
DE1418	The VHT_VIS_DISPOSITION KVP value was being incorrectly set. It is now initially set to 'none,' and then set to 'hold' or 'callback' depending upon which queue the call is transferred to. For calls abandoned prior to the caller choosing hold or callback, the VHT_VIS_DISPOSITION KVP value will remain set to 'none.'

Known Issues for VXML Interaction Server Version 5.0.6.253

Overview

The following issues are known for this release of VIS:

ID	Description	Workaround/ Clarification	Reported In
66669948	Call is getting cleaned up even though there is a problem launching subdialog -> submit option. InteractionQueued and InteractionDequeued called before the sub dialog application. Upon a successful submit, VIS no longer has application control and stops processing. If the submit fails then control returns to VIS.	None.	5.0.2
66966154	There is a ClassNotFoundException exception on the WebLogic and JBoss EAP logs for each call.	These exceptions can be ignored. There is no problem with the call and the user will not experience any issues.	5.0.2.1
68063412	In DateBook mode with the DateBook End Call queue variable set to TRUE, the caller can select option 2 in the menu to disconnect the call. This should fate the call as a Q32 datebook disconnect, instead the call will wait until the interaction times out in Queue Manager.	None.	4.3.2
68279308	Platform Toolkit method InteractionDisconnectedByApplication currently only accepts AfterHours and SmartCallBlock. Because of this VirtualQDisconnect and DateBookDisconnect do not work correctly from VIS.		7.6.1
75543360 75543782	An error is played to the caller after attempting to store their name file due to the fact the NFS file store is offline and it cannot upload the file.	Reconfigure the NFS mount.	4.1.2