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About this Document

This document provides installation instructions for Cisco Virtualized Voice Browser ES02. It also contains a list of issues resolved by this ES. Please review all sections in this document pertaining to installation before installing the product. Failure to install this ES as described may result in inconsistent behavior.

Supported VVB Version

This ES (ciscovb.1262.ES02.cop.sgn) is to be installed on VVB Version 12.6.2 **using CLI** only. Installing the ES on previous ES's will not create any repercussions.

Resolved Caveats

The details of the defects that are fixed in this ES are mentioned below.

Cisco VVB 12.6(2) ES02	
Bug ID	**Description**
CSCwf35130	CLI "show speechserver audioPacketSizeInBytes" not working
CSCwf83214	VVB 12.6 | Remove Weak Cipher TLS_RSA_WITH_AES_128_CBC_SHA
CSCwf84081	VVB Not Responding to MRCP events properly received from Nuance ASR
CSCwf83531	VVB wrongly interprets fmt header from WAV file
CSCwf36954	VVB browser goes for fetch loop when caller presses digit during queuing
CSCwf92952	VVB Defaults to male voice when regardless of voice profile
CSCwf87601	VVB: HTTP Status 404 Not found message is displayed with the Tomcat version for port 9080
CSCwh18670	The last prompt from DF CX does not play after installing 12.6(2) ES 01

New Features

The following features have been included in ES02:

Feature	Description
Cookie Handling	Cookies handling in VVB is enhanced to map the domain to the request URL. This feature is disabled by default. To use this feature, execute the below CLI commands. To view, use command, "show vvb domain_cookie_support"

	Sample admin: show vvb domain_cookie_support false Command successful. To enable, use command, "set vvb domain_cookie_support enable". Sample admin: set vvb domain_cookie_support enable Command successful. To disable, use command, "set vvb domain_cookie_support disable". Sample admin: set vvb domain_cookie_support disable Command successful. Please refer to cdet, CSCwd52362, for more details.
Custom SIP Headers	This feature allows end customers to process custom or all SIP headers in their VXML application. SIP headers can be retrieved using the session variable, "session.com.cisco.proto_headers" in the VXML application invoked via subdialog element from Call Studio. Syntax: session.com.cisco.proto_headers[keyname] The SIP headers which needs to be restricted from being passed to VXML server can be added as comma separated list at application root level using the variable name "com.cisco.protoHeadersRestricted". Note: This was a IOS VXML and VVB parity gap.
Inclusive Language Support	In the VVB AppAdmin and VVB Serviceability pages, the exclusionary terms like master/slave and blacklist/whitelist are replaced wherever possible with primary/secondary and blocklist/permitlist. Logs for VVB Service's i.e., Engine, Web Services and others, all the occurrences of "master ", have been replaced, irrespective of its case to "Primary".
Speech Recognition Model Variant Support for Google Dialogflow ES	In DF ES, we can set the model variant in Call Studio using the custom VXML property, Recognize.modelVariant. It supports 3 values- USE_STANDARD, USE_ENHANCED and USE_BEST_AVAILABLE (default). Note: Set value as recommended by Google
AppD Upgrade	AppD version has been upgraded to 23.6.0.34839.

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The following changes have been included in ES01:

Feature	Description
Partial Response for CX via VVB	**Partial Response Feature** has been added for CX via VVB. Please refer the link for more details on the feature.
Partial Response for CX via VAV	**Partial Response Feature** has been added for CX via VAV. Please refer the link for more details on the feature. Please refer link for Sample application and details on VAV element

Note- The behavior is the partial prompt will be stopped playing once the final response is received from Google.

Usage Guidelines
NA

Conditions for Installing ES

Pre-Conditions
Make sure there is no previous ES in progress; else, cancel it by running:

```
utils system upgrade cancel
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Post-Conditions
Once the ES is applied, reboot the Cisco VVB. After reboot, verify from the Cisco VVB App Admin that all services come to In-Service.

Dependencies for this ES
NA

Installing ES

This ES must be installed using CLI only, by running:

utils system upgrade initiate

Follow the instructions and provide the path of the ES. Do not close the terminal until the installation of ES is successful. Restart the machine after installing the ES.

Uninstalling ES

Follow similar process for installing the ES but install the specific rollback ES for the version.

Note: An ES rollback uninstalls all the previously installed ESs and brings VVB to the base release.