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## About this Document

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

## Supported VVB Version

This COP (ciscovb.1251.ES09.cop.sgn) is to be installed on VVB Version 12.5 **using CLI** only. Installing the COP on previous COPs will not create any repercussions.

## Resolved Caveats

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

Cisco VVB 12.5(1)ES09	
Bug ID	Description
CSCvx56287	CVVB File descriptor getting exhausted
CSCvy39529	Minor issue introduced by F5 load-balancer
CSCvx70738	VVB changing codec for midcall reinvoke
CSCvy30996	Same Call-ID on VVB with ASR leg
CSCvy25404	Does not include a separating blank line between each MIME part's headers and the body content
CSCvy13573	VVB Fails a VXML application with Java Null Pointer Exception
CSCvy03369	VVB should have feature similar to IOS "no vxml audioerror"
CSCvy16699	VVB to pass blank parameters.
CSCvx89188	Cisco Virtualized Voice Browser Cross-Site Scripting Vulnerability
Cisco VVB 12.5(1)ES08	
Bug ID	Description
CSCvx69289	CVA calls are not working
Cisco VVB 12.5(1)ES07	
Bug ID	Description
CSCvx55818	VVB to pass diversion header value to vxml application

<b>Cisco VVB 12.5(1)ES06</b>	
<b>Bug ID</b>	<b>Description</b>
CSCvw35790	%UC_CONTACT_MGR-3-CONTACT_INVALID_STATE_ERROR: alarm thrown
CSCvv41659	VVB admin page shows a license expiry or none license package message
CSCvw72891	VVB is not able handle Rejections from TTS server.
CSCvw94240	Deadlock messages for calls over 2 hours causing application manager to go to a partial down status
CSCvu48063	VVB MRCP2 F5 load-balancer Integration session establishment issue
<b>Cisco VVB 12.5(1)ES04</b>	
<b>Bug ID</b>	<b>Description</b>
CSCvv84242	DTMF not passed for by VVB with Bridge Transfer and VXML Server 11.6
CSCvv50011	Unable to change VVB browser cache value
<b>Cisco VVB 12.5(1)ES03</b>	
<b>Bug ID</b>	<b>Description</b>
CSCvv74227	Bargein Enabled Prompts were stopped because of background noise
CSCvv74235	CVA Response Time is too long
<b>Cisco VVB 12.5(1)ES02</b>	
<b>Bug ID</b>	<b>Description</b>
CSCvv10864	DTMF support in Flow1
CSCvv10863	ENHANCED mode variant support
CSCvu67590	VVB doesn't trigger the hotlink
CSCvs36021	MRCPv2: Logging-Tag
CSCvt80236	sip trigger doesn't allow period as wildcard
CSCvu44291	error.unsupported.format error in custom VVB app
CSCvu76340	VVB not detecting digits, asymmetric Payload Type mismatch with Delayed Offer call flow
CSCvu79257	Incorrect MRCP message count length

## Usage Guidelines

### CSCvu76340

We have introduced the following CLI command that allows the customer to set and view the default dtmf Payload Type with Delayed Offer call flow:

Sample:

```
admin:set vvb call app dtmf-payload 100
Command successful.

admin:show vvb call app dtmf-payload
      dtmf-payload:100
Command successful.
```

## Conditions for Installing COP

### Pre-Conditions

Make sure there is no previous ES in progress. Else, cancel it by running:

***utils system upgrade cancel***

Installing this cop will reset all custom SIPSubsystem.properties and VoiceBrowser.properties like ccb\_disconnect\_timeout, ringtone\_timeout, ccb\_intercept\_timeout, ccb\_reconnect\_timeout, whisper\_timeout. Thus, previous custom settings will be set to the default values and the customer needs to set them again. Identify your customized values for SipSubSystem and VoiceBrowser, if set earlier, by using the CLI commands like:

```
show vvb call app ringtone-timeout
```

### Post-Conditions

Once the ES is applied, reboot the Cisco VVB. After reboot, verify from the Cisco VVB Appadmin that all services come to In-Service.

To restore customized values of Voice Browser, execute the platform CLI "set" command to change the default values of SIP SubSystem and VoiceBrowser properties. (Applicable only where the SIP SubSystem default values are customized to match the requirements.)

## Dependencies for this COP

NA

## Installing COP

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

***utils system upgrade initiate***

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

## Uninstalling COP

Follow similar process for installing the COP, but install the specific rollback COP for the version. The COPs have to be removed in the reverse order in which they were installed.