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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.1201.ES01.08.cop.sgn) is to be installed on VVB Version 12.0.

## Resolved Caveats

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

<b>Cisco VVB 12.0(1)ES08</b>	
<b>Bug ID</b>	<b>Description</b>
CSCvx56287	VVB File descriptor getting exhausted
CSCvx70738	VVB changing codec for mid-call re-invite
CSCvx89188	Cisco Virtualized Voice Browser Cross-Site Scripting Vulnerability
US341823	VVB out-of-memory issues with prompts max file size
CSCvy39534	VVB doesn't release TTS license in one specific scenario.
CSCvy39529	Issue introduced by F5 load-balancer fix in 12.0
<b>Cisco VVB 12.0(1)ES07</b>	
CSCvu48063	VVB MRCP2 F5 load-balancer Integration session establishment issue
<b>Cisco VVB 12.0(1)ES06</b>	
CSCvu84469	VB 12.0 - Does not accept * in SIP URI for CVP blind transfer
CSCvt68716	VVB taking # as CED though configured as termination key when caller inputs only #.
<b>Cisco VVB 12.0(1)ES05</b>	
CSCvt01692	Transfer failing when the destination number fails in range of some SIP trigger wild cards on VVB
CSCvn01580	VVB 11.6 Stuck custom ringtone (Potential deadlock detected)
CSCvs52572	VVB one way audio because VVB wrongly identifies HOLDS as UNHOLDS
CSCvs78580	VVB is interpreting incorrect confidence value
<b>Cisco VVB 12.0(1)ES04</b>	
CSCvs26011	While muting transfer media VVB throws exception causing hung call
<b>Cisco VVB 12.0(1)ES03</b>	
CSCvr69801	VVB unable to process destination URI with a hyphen during blind transfer
<b>Cisco VVB 12.0(1)ES02</b>	
CSCvp47533	Standalone CVP call held up for 15 minutes after blind transfer complete
CSCvp77205	VVB one way audio after midcall reinvite
CSCvq07836	Sub-dialog invoke using POST method from VXML is not processed
CSCvq17119	VVB 12.0 ES1 prompt URL /../ change of behaviour due to CSCvo87201
CSCvq03539	vb_transfer is used in FROM/CONTACT Header in SIP INVITE for Bridge Transfer used by VXMLTransfer
CSCvq20977	VVB DIALOG_CALLBACK threads from sip stack are deadlocked.
<b>Cisco VVB 12.0(1)ES01</b>	

CSCvn82885	VVB max nomatch hot event is not working
CSCvo00805	Record Element - Session is not released after hangup
CSCvo31078	Invalid exception handling - ASR server not available
CSCvo41311	VVB drops the call abnormally when IVR is being played
CSCvo31351	VVB calls get hung when supported language library is not present in nuance
CSCvo56840	VVB - Remove tmp files if the audio file isn't cached
CSCvo86208	MRCPv1 fails if setting xdebugging level in SS_MRCP
CSCvo87201	Call fails to play prompt when using VVB
CSCvp22890	Record Element - Temp Files not deleted

## Conditions for installing COP

### Pre-Conditions

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

***utils system upgrade cancel***

### Post-Conditions

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

## Dependencies for this COP

NA.

## Installing COP

Install the COP provided 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 uninstalling the COP. It is a cumulative COP, and will revert to base version. The COPs have to be removed in the reverse order in which they were installed.