

## Contents

|                                    |   |
|------------------------------------|---|
| About this Document .....          | 2 |
| Supported VVB Version.....         | 2 |
| Resolved Caveats.....              | 2 |
| Usage Guidelines .....             | 5 |
| Conditions for Installing ES ..... | 6 |
| Pre-Conditions.....                | 6 |
| Post-Conditions .....              | 6 |
| Dependencies for this ES.....      | 6 |
| Installing ES.....                 | 7 |
| Uninstalling ES .....              | 7 |

## About this Document

This document provides installation instructions for the Cisco Virtualized Voice Browser ES 14, and a list of issues resolved by this ES. Please review all sections in this document about installation before installing the product. Failure to install this ES as described may result in inconsistent behavior of VVB.

### Supported VVB Version

ES 14 (ciscovb.1251.ES14.cop.sgn) is to be installed on VVB Version 12.5 **using CLI** only. Installing the ES on previous ESs will not create any repercussions.

## Resolved Caveats

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

| <b>Cisco VVB 12.5(1)ES14</b> |   |
|------------------------------|---|
| <b>Bug ID</b>                | <b>Description</b>  |
| CSCvz90779                   | Engine throws NO_RESOURCE error without sending request to SpeechServer                               |
| CSCwa92416                   | Cisco VVB is adding delays of 200ms+ for cached calls   |
| CSCwb50048                   | VVB caching Nuance URL causing calls to fail  |
| CSCwb06756                   | VVB is not updating media streams (Rx and Tx) correctly in the SRTP to RTP fallback scenario          |
| CSCwb70515                   | CLI command "set vvb http client submit_badfetch_errortrue" throws "No valid command entered"         |
| <b>Cisco VVB 12.5(1)ES13</b> |   |
| <b>Bug ID</b>                | <b>Description</b>  |
| CSCvy26437                   | VVB maintains JSESSIONID in its cookie coming from an external App and sends it in every post request |
| CSCwa44809                   | VVB doesn't release TTSlicense properly TTSsessionramp up over 3-5 days                               |
| CSCvu67695                   | VVB: SNMP Host Resources Agent service Core Dumps generated (hostagt)                                 |
| CSCwa45141                   | MRCP stats do not show when proxy is configured   |
| <b>Cisco VVB 12.5(1)ES12</b> |   |
| <b>Bug ID</b>                | <b>Description</b>  |

|                              |   |
|------------------------------|---|
| CSCwa21718                   | VVB 12.5 Engine is converting Dialogflow response to lowercase                            |
| CSCwa28828                   | MRCPV1 is not working in VVB 12.5   |
| CSCwa30185                   | VVB is sending GET-PARAM with com.cisco.initialAudio to Nuance                            |
| CSCwa47397                   | Evaluation of voicebrowser for Log4j RCE (Log4Shell) Vulnerability                        |
| <b>Cisco VVB 12.5(1)ES11</b> |   |
| <b>Bug ID</b>                | <b>Description</b>  |
| CSCvz39792                   | When CUBE sending invite with a=inactive, CVP is responding with a=sendrecv or a=recvonly |
| CSCvz64566                   | VVB server crashing due to IPVMS  |
| CSCvz64398                   | VVB Speech Server memory leak   |
| CSCvz99738                   | ASR/TTS status flips between UNREACHABLE and REACHABLE when Nuance services are shutdown  |
| CSCvy24297                   | Voicebrowser: WXM IVR survey fails with the errors in VVB                                 |
| CSCvy73950                   | VVB hostname change fails if FQDN is used as hostname                                     |
| <b>Cisco VVB 12.5(1)ES10</b> |   |
| <b>Bug ID</b>                | <b>Description</b>  |
| CSCvw95369                   | Rare race-condition in VVB local disconnect where ENG thread is stuck                     |
| CSCvz01258                   | CLI command to set the flag com.cisco.voicebrowser.http.404.submitError=false             |
| CSCvy80418                   | VVB not confirming to RFC standard when use POST method with multipart/form-data          |
| CSCvy64825                   | VVB 12.5 max_file_size changed in ES08  |
| CSCvy39534                   | VVB doesn't release TTS license in one specific scenario.                                 |
| CSCvy66688                   | Failed INVALID_INPUT for VVB Template Deployment  |
| <b>Cisco VVB 12.5(1)ES09</b> |   |
| <b>Bug ID</b>                | <b>Description</b>  |
| 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 blankline between each MIME part's headers andthe bodycontent        |
| 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 blankparameters  |
| CSCvx89188                   | Cisco Virtualized Voice Browser Cross-Site Scripting Vulnerability                                 |
| <b>Cisco VVB 12.5(1)ES08</b> |  |
| <b>Bug ID</b>                | <b>Description</b>   |
| CSCvx69289                   | CVA calls are not working  |
| <b>Cisco VVB 12.5(1)ES07</b> |  |
| <b>Bug ID</b>                | <b>Description</b>   |
| 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_IN VALID _STATE_ERR OR: alarm thrown                                    |
| CSCvw41659                   | VVB admin page shows a license expiry or none license package message                              |
| CSCvw72891                   | VVB is not able handle Rejections from TTSserver.  |
| CSCvw94240                   | Deadlock messages for calls over 2 hours causing application manager to goto 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>   |
| CSCvw84242                   | DTMFnot passed for by VVB with Bridge Transfer and VXML Server 11.6                                |

|                              |   |
|------------------------------|---|
| CSCw50011                    | Unable to change VVB browser cache value  |
| <b>Cisco VVB 12.5(1)ES03</b> |   |
| <b>Bug ID</b>                | <b>Description</b>  |
| CSCw74227                    | Bargein Enabled Prompts were stopped because of background noise                        |
| CSCw74235                    | CVA Response Time is too long   |
| <b>Cisco VVB 12.5(1)ES02</b> |   |
| <b>Bug ID</b>                | <b>Description</b>  |
| CSCw10864                    | DTMFsupport in Flow1  |
| CSCw10863                    | ENHANCED mode variant support   |
| CSCvu67590                   | VVB doesn't trigger the hotlink   |
| CSCvs36021                   | MRCpv2: Logging-Tag   |
| CSCvt80236                   | siptrigger 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

### Cisco VVB 12.5(1)ES11

1. Speechserver logs by default captures only error scenarios. Enable all log levels using VVB Serviceability UI for call flow.
2. VVB VAD is used only for bargein of prompts along with interim responses from Google by default. VVB VAD for *bargein* of prompt can be disabled or enabled by using *vadProp.Prompt.Bargein=true/false*. The VVB Engine needs to be restarted to apply the changes.

### 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.
```

## **CSCvy64825**

The maximum size of file that can be cached is 28MB. However, Cisco recommends setting this value to 2MB to avoid initial file download latency and filling up of disk space.

Sample:

```
admin: set vvb cache max_file_size 4000
Command successful.
admin: show vvb cache max_file_size
4000 KB
Command successful.
```

## **CSCvz01258**

We have introduced the following CLI command that allows the customer to set and view the Boolean value to indicate whether bad fetch(404) error to VXML server is enabled or disabled.

Sample

```
admin: set vvb http client submit_badfetch_error true
Command Successful.

admin: show vvb http client submit_badfetch_error
true
```

## **Google NBest Implementation**

Google NBest is supported after installing the ES12.

## Conditions for Installing ES

### Pre-Conditions

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

```
utils system upgrade cancel
```

Installing this ES will reset all custom SIPSubsystem.properties and VoiceBrowser.properties like ccb\_disconnect\_timeout, ringtone\_timeout, ccb\_intercept\_timeout, ccb\_reconnect\_timeout, whisper\_timeout. Thus, the 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 command:

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

### Post-Conditions

Reboot the Cisco VVB after the ES is applied.

After reboot, verify from the Cisco VVB Appadmin that all the 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 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 a similar process of 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.