

Avaya Solution & Interoperability Test Lab

Application Notes for Mutare EVM Plus giSTT with Avaya IP Office 9.0 and Embedded Voicemail – Issue 1.0

Abstract

These Application Notes describe a compliance-tested configuration consisting of Avaya IP Office 9.0 with Embedded voicemail and Mutare EVM Plus giSTT.

Mutare's EVM Plus application is a unified messaging solution that seamlessly delivers voicemail messages to the user's email inbox. EVM Plus includes the giSTT speech to text gateway, allowing subscribers to have a text transcription of their voice message included in the EVM Plus delivery. EVM Plus accesses voice messages from IP Office Embedded voicemail from a collection email account.

Information in these Application Notes has been obtained through DevConnect compliance testing and additional technical discussions. Testing was conducted via the DevConnect Program at the Avaya Solution and Interoperability Test Lab.

1. Introduction

These Application Notes describe a compliance-tested configuration consisting of Avaya IP Office with Embedded voicemail and Mutare EVM Plus giSTT.

2. General Test Approach and Test Results

The compliance test focused on the interoperability between Avaya IP Office and Mutare EVM Plus giSTT. Test calls were made from a variety of Avaya IP Office phones and from a simulated PSTN. Messages were left in Embedded voicemail mailboxes. IP Office was configured to send a copy of voice messages from all users to a collection email account.

EVM Plus retrieves the voice messages from the collection email account and sends the voice message to giSTT for speech to text conversion. When EVM receives the text back from giSTT it sends an email to the users email inbox.

DevConnect Compliance Testing is conducted jointly by Avaya and DevConnect members. The jointly-defined test plan focuses on exercising APIs and/or standards-based interfaces pertinent to the interoperability of the tested products and their functionalities. DevConnect Compliance Testing is not intended to substitute full product performance or feature testing performed by DevConnect members, nor is it to be construed as an endorsement by Avaya of the suitability or completeness of a DevConnect member's solution.

2.1. Interoperability Compliance Testing

Testing consisted of typical call scenarios involving external endpoints using a simulated PSTN, and various Avaya endpoints. Messages were left for subscribers in their Embedded Voicemail mailboxes. Then it was verified that the end user received an email with the attached voice message along with the text version of the message as decoded by giSTT.

The feature testing included:

- Access to EVM and configuration
- Normal internal call message
- External call message
- Forward message
- Forward message with header message

Serviceability testing was also performed to verify the ability for EVM Plus to recover from loss of network connections and reboots. When EVM Plus was back online it was able to retrieve messages from the collection email account that were left when it was offline and correctly deliver them to users email accounts.

2.2. Test Results

The objectives described in **Section 2.1** were verified and all tests passed.

2.3. Support

Information, documentation and technical support for Mutare EVM Plus giSTT can be obtained at:

Phone: 1-847-496-9000http://www.mutare.com

3. Reference Configuration

The configuration used for the compliance testing is shown below.

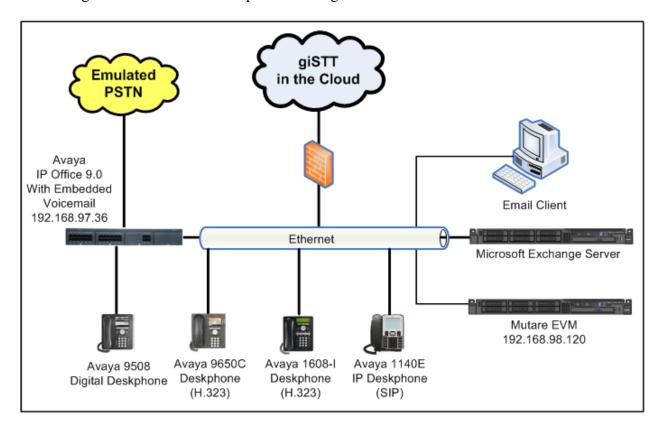


Figure 1 – DevConnect Sample Test configuration

4. Equipment and Software Validated

The following equipment and software were used for the sample configuration provided:

Equipment/Software	Release/Version
Avaya IP Office 500 V2 with	9.0.0.829
Embedded Voicemail	
Avaya 9650C Deskphone	3.200
(H.323)	
Avaya 1608-I Deskphone	1.330D
(H.323)	
Avaya 9508 Digital Deskphone	Rel:0.45
Avaya 1140E Deskphone	04.03.18.00
(SIP)	
Microsoft Office Professional Plus	14.0.7015.1000
2010	
Microsoft Exchange 2010	14.3.174.4001
EVM Plus giSTT	version 2.4.1

Testing was performed with IP Office 500 R9.0, but it also applies to IP Office Server Edition R9.0. Note that IP Office Server Edition requires an Expansion IP Office 500 v2 R9.0 to support analog or digital endpoints or trunks.

5. Configure Avaya IP Office

This section describes the steps to configure IP Office with Embedded Voicemail to interoperate with EVM Plus giSTT. It is assumed that IP Office has already been installed and is functioning. For additional information on IP Office installation and configuration refer to documentation listed in **Section 9**.

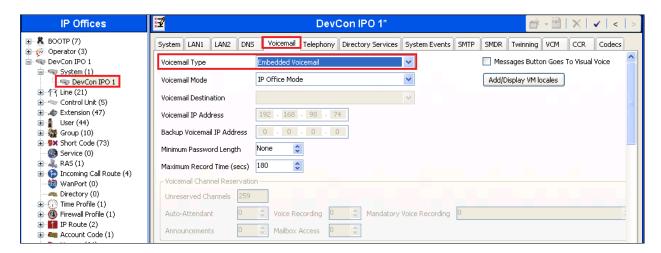
Summary of IP Office Configuration to interoperate with EVM Plus giSTT:

- Verify that IP Office is configured to use Embedded Voicemail
- Configure IP Office for SMTP
- User configuration to sent to the collection email address

5.1. Verify Voicemail Settings

This section explains the steps to verify that IP Office is configured to use Embedded Voicemail.

Navigate to **System** in the left window and then the appropriate system as shown below. Click on the **Voicemail** tab. In the **Voicemail Type** drop-down box, verify that **Embedded Voicemail** is selected.



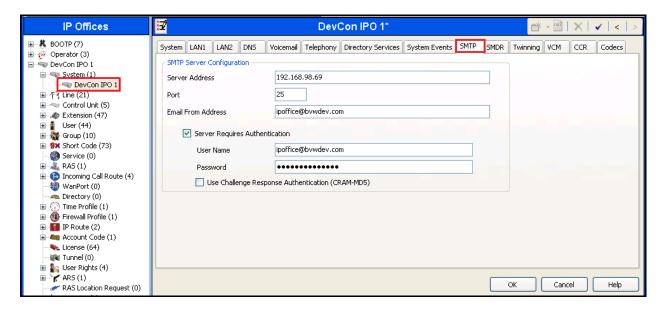
5.2. Configure SMTP

To enable IP Office to send email messages to the collection mailbox for EVM Plus, Simple Mail Transfer Protocol (SMTP) needs to be configured.

Navigate to **System** in the left window and then the appropriate system as shown below. Click on the **SMTP** tab. In the **SMTP Server Configuration** window configure the following:

•	IP Address	Enter the IP address of the SMTP server
•	Port	Enter the port number used by the SMTP server
•	Email From Address	Enter the email address that the IP Office emails will come from
•	Server Requires Authentication	If authentication is required by the SMTP server, then select the checkbox
•	User Name	Enter a valid username if using authentication
•	Password	Enter a valid password if using authentication
•	Use Challenge	Select the checkbox if challenge response authentication is required by the SMTP server

Encryption of SMTP messages is not supported by IP Office. If IP Office needs to communicate with a SMTP server that requires Encryption a second SMTP server would need to be configured between IP Office and the target server to provide the Encryption.

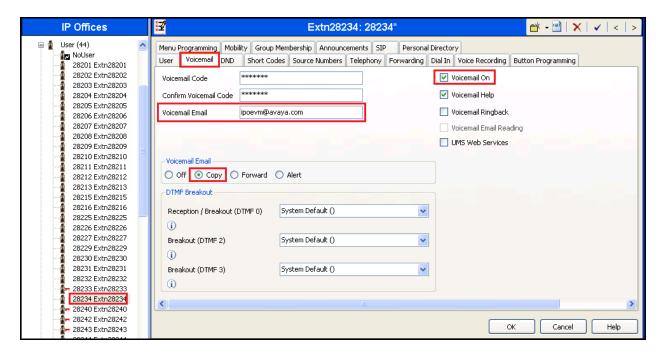


5.3. Configure Users

This section describes how to configure the collection email address that will be used by all users using EVM Plus giSTT.

In the left panel navigate to **User** (not shown) and then select a User to edit. In the right panel navigate to the Voicemail tab. Verify that the **Voicemail On** checkbox is selected. In the **Voicemail email** box enter a valid email address that will be used as the collection mailbox. Now Select the **Copy** button. This will copy the voice message as an attachment in the email.

All users of EVM Plus on the IP Office will need to have the same email address configured. EVM Plus will use the header of the email to send the final email to the proper user.

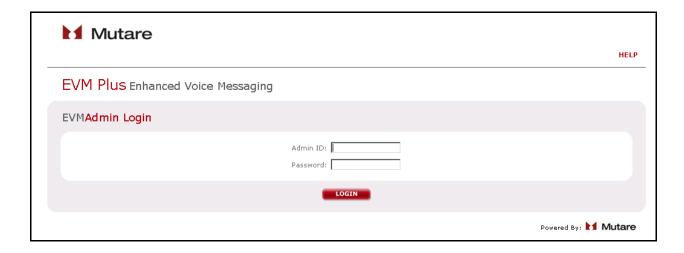


6. Configure EVM Plus

These Application Notes assume that EVM Plus has already been installed on a server that meets the minimum requirements. For additional information on EVM Plus installation and configuration refer to documentation listed in **Section 9** or contact Mutare support.

6.1. Connect to EVM Plus

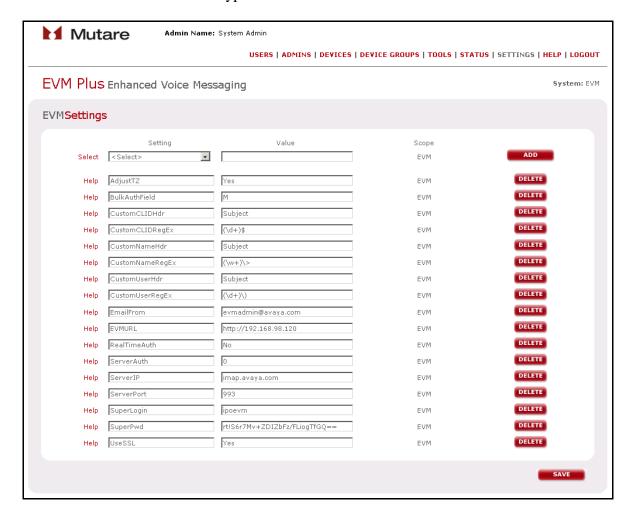
From a web browser, navigate to the EVM Administration web page at http://127.0.0.1/admin.asp. Replace 127.0.0.1 with the appropriate IP address or host name if connecting from a different server or PC. The following login screen will be displayed. Log in with the appropriate credentials.



6.2. Configure EVM Plus Settings

Settings can be added and configured by selecting the **SETTINGS** tab at the top of the page as shown below. The following settings were used in this sample configuration for compliance testing. Most of the settings were provided by Mutare to provide proper interoperation with the format of the email from IP Office. The settings that would need to change for a given setup would be as follows.

- EmailFrom
 EVMURL
 ServerIP
 Enter the IP address or FODN of emails.
- **ServerIP** Enter the **IP** address or **FQDN** of email sever for the collection email.
- **ServerPort** Enter the port number for access to the collection email. **993** was used for this sample configuration.
- **SuperLogin** Enter the **username** to access the collection email.
- **SuperPwd** Enter the **password** to access the collection email. It is displayed encrypted.



6.3. Configure New Users

Navigate to the **Users** page by clicking on the **Users** tab. From this page users can be added, viewed and deleted.

To add a new user enter the following:

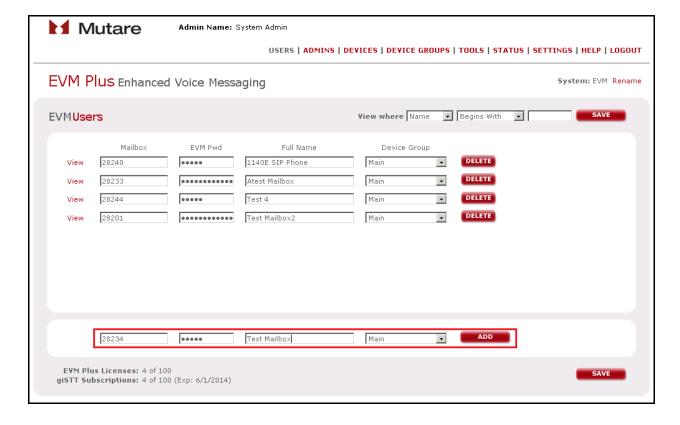
Mailbox Enter a valid mailbox number (i.e., IP Office extension).
 EVM Pwd Enter a password. This can be used by a User to access their

EVM settings page.

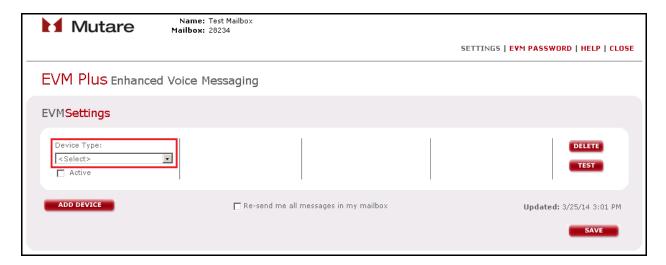
• **Full Name** Enter the name of the mailbox user.

• **Device Group** Select the required group.

When finished click on **ADD**.



The newly added user will now be displayed in the user list. Click on the **View** link for the new user (not shown). Now the **Settings** page for the user will be displayed. In the **Device Type** drop-down box select **Desktop EVM**.



The page is then updated as in the following figure. Enter the following configuration:

• **Active** Select the check box

• **Email Address** Enter the email address where the emails will be sent

• Send when I receive Select the voice check box and ALL in the

drop-down box

Speech to Text
 Select this check box to activate giSTT

• Audio format Select WAV or MP3 from the drop-down box

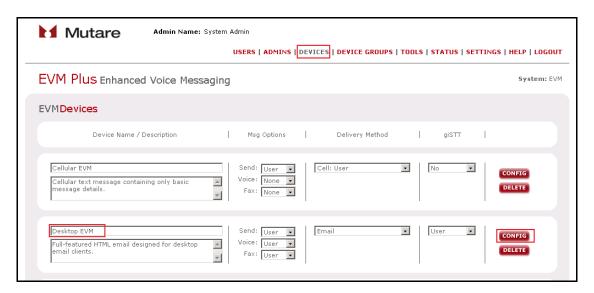
When finished click Save.



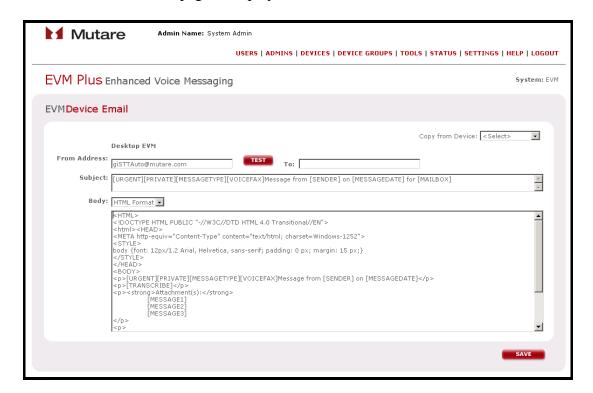
6.4. Edit EVM Plus Email format

The format of the email sent by EVM can be customized. In this sample configuration links for features that are not compatible with IP Office Embedded Email were removed from the sent emails.

To customize the email select the **Devices** tab. Then click on the **CONFIG** button in the **Desktop EVM** section.



Now the EVM Device Email page is displayed as follows.



The HTML in the body section of the above page was edited and saved as follows.

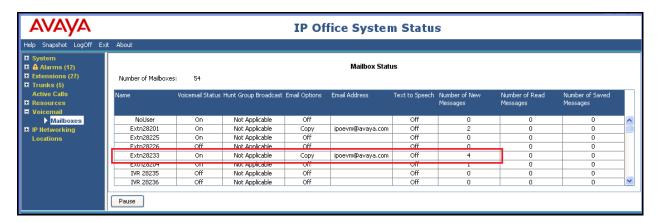
```
<HTML>
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.0 Transitional//EN">
<html><HEAD>
<META http-equiv="Content-Type" content="text/html; charset=Windows-1252">
<STYLE>
body {font: 12px/1.2 Arial, Helvetica, sans-serif; padding: 0 px; margin: 15 px;}
</STYLE>
</HEAD>
<BODY>
[URGENT][PRIVATE][MESSAGETYPE][VOICEFAX]Message from [SENDER] on
[MESSAGEDATE]
[TRANSCRIBE]
<strong>Attachment(s):</strong>
      [MESSAGE1]
      [MESSAGE2]
      [MESSAGE3]
>
<!-- <a href="[DELETE]">Delete this message from my Voice Mailbox</a><br> -->
<!-- <a href="[MARKREAD]">Mark this message read in my Voice Mailbox</a><br> -->
<!-- <a href="[CONTACTS]">View/Edit my EVM Contacts</a><br> -->
<!-- <a href="[SETTINGS]">View/Edit my EVM Settings</a><br> -->
<!-- <a href="[DELETEALL]">Delete all messages from my Voice Mailbox</a><br> -->
<!-- <p>Mailbox currently contains [NEWMSGS] New and [OLDMSGS] Old messages. --
<!--<p>[HEADERS]-->
</BODY>
</HTML>
```

7. Verification Steps

This section provides tests that can be performed to verify proper configuration of IP Office and EVM Plus.

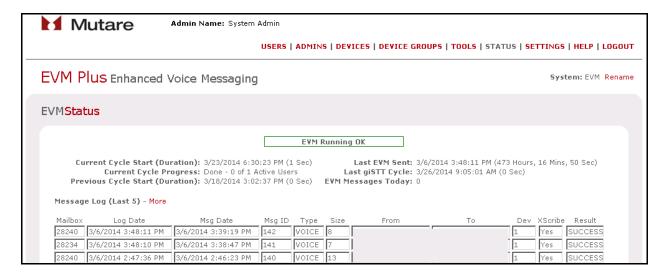
7.1. IP Office Verification

From a PC running the IP Office Monitor application, select **Start > Programs > IP Office > System Status** to launch the application. The **Avaya IP Office System Status Logon** screen is displayed (not shown). Enter the appropriate credentials. From the left panel select **Voicemail** and then **Mailboxes**. The status of mailboxes can now be viewed in the right panel.



7.2. EVM Plus Verification

From the EVM Plus Admin web page, select the **STATUS** tab. The following page is then displayed. From this page it can be determined if EVM is running ok and a message log is displayed with result details. The **From** and **To** email addresses have been masked out in the following figure.



8. Conclusion

Mutare EVM Plus giSTT successfully interoperated with Avaya IP Office with Embedded Voicemail as described in these notes.

9. Additional References

Product documentation for Avaya IP Office may be found at http://support.avaya.com and http://support.avaya.com/knowledgebase.

Avaya IP Office

1) IP Office 9.0 Product Description, -Issue 27.02.0, Document 15-601041, January 6, 2014

Product documentation for Mutare products may be found at http://www.mutare.com.

Mutare EVM Plus

2) EVM Plus Admin Guide, Rev. 3/2013

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