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Customer Guide to Avaya DMCC- SO Integrations

Customer Guide to Avaya DMCC-SO Integrations

Version: Avaya DMCC-SO versions 4.2.1-8.1 are supported. This guide should be used with NICE Uptivity 16.3 or later.

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Contact: Send suggestions or corrections regarding this guide to documentationrequests@incontact.com.

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Introduction

Audience

This document is written for customers and prospective customers interested in using Uptivity Call Recording in an Avaya DMCC-SO telephony environment. Readers who will perform procedures in this guide should have a basic level of familiarity with IP telephony, general networking, the Windows operating system, Avaya telephony, and NICE Uptivity.

Goals

The goal of this document is to provide knowledge, reference, and procedural information necessary to understand a proposed Avaya/NICE Uptivity integration using DMCC-SO, and to configure the Avaya equipment to support the integration.

This document is NOT intended as a specific system or network design document. If further clarification is needed, consult with your telephony vendor(s).

Assumptions

This document assumes the reader has access to an Uptivity Sales Engineer, Project Manager, or other resource to assist in applying this information to the reader's environment.

Need-to-Knows



To facilitate ease of use, this document takes advantage of PDF bookmarks. By opening the bookmark pane, readers can easily refer to the portion(s) of the guide that are relevant to their needs. For example, the Uptivity application administrator can click on the **Customer Administration Tasks** bookmark to jump directly to that section.

To expand and collapse the bookmark pane, click on the bookmark icon on the left side of the document window.

For questions related to Uptivity configuration, consult the Uptivity installation team.

Customer Guide to Avaya DMCC-SO Integrations

This integration uses Avaya TSAPI. Refer to the *Customer Guide to Avaya TSAPI Integrations* for additional limitations, licensing requirements, and customer integration tasks.

Terminology

To ensure a common frame of reference, this guide uses the following terms in conjunction with this Avaya integration:

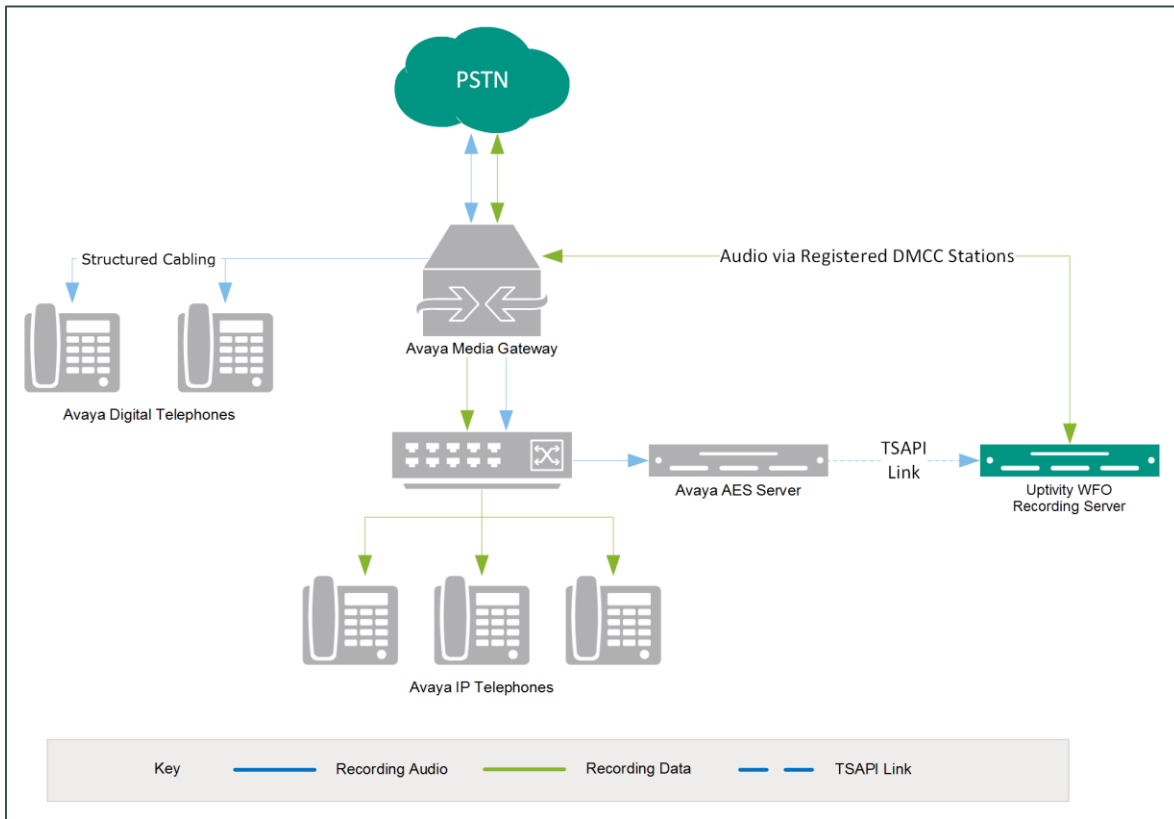
- **AES** — Application Enablement Services. The AES server in an Avaya contact center hosts software that provides CTI events
- **Avaya CMS** — Avaya Call Management System. This contact center product is designed for businesses with complex contact center operations and high call volume. Sometimes referred to as Avaya CM.
- **DMCC** — Device Media Call Control. This functionality of the Avaya AES and AACC servers provides a means of active recording via VoIP, even for endpoints that are not IP telephones.
- **GEDI** — Graphically-Enhanced DEFINITY Interface. Used by the customer or Avaya vendor to configure the Avaya CMS.
- **MR** — Multiple Registration. Avaya functionality that allows the customer to register up to three devices against a single softphone extension.
- **TSAPI** — Telephone Services Application Programming Interface. Avaya TSAPI is the actual software that provides the call control events and metadata to Uptivity.
- **S8300, S8500, S8700** — Common models of Avaya PBX equipment

Customer Responsibilities

You are responsible for supplying the physical connection(s), IP connection(s), or both to your telephone system and LAN, and for obtaining and loading any licensing required by Avaya. You are also responsible for configuring Avaya system components to support the recording integration. See the [Customer Integration Tasks](#) section for additional information.

Avaya DMCC-SO Integration Overview

The Avaya DMCC-SO integration uses softphones on the Avaya AES server as the audio source, and receives call control events and metadata through AES using TSAPI. NICE Uptivity detects when a station joins a call and makes a request to service observe that call using the corresponding softphone on the AES server.



General architectural example of the Avaya DMCC-SO integration

Component	Function
Avaya CM Media Gateway	Controls audio presented to and from digital phones, IP phones, or both.
Avaya AES	Provides DMCC CTI Interface to create and control virtual softphones for call recording and to provide call metadata.
Uptivity Recording Server	Receives audio, call control events, and business data. Provides a CTI interface for recording. May host the Web Portal for playback and administration.

Customer Guide to Avaya DMCC-SO Integrations

Known Limitations

- Only devices supporting Physical Device Services can be recorded. This excludes devices without a speaker-phone (such as CallMaster). This is an Avaya limitation.
- Avaya one-X® Attendant stations can be recorded, but only with special configuration using a physical physical station as the "answering device". Because all calls appear to be from the one-X Attendant to the answering device, Uptivity cannot capture actual ANI, actual DNIS, or call direction.
- This integration provides "muxed" (mono) audio and therefore does not support speaker separation for reporting or analytics.
- Versions of Avaya CM prior to v4.0 allow only one Service Observer in a call.

Avaya Requirements

ⓘ This integration requires Avaya TSAPI, which has additional software and licensing requirements. See the *Customer Guide to Avaya TSAPI Integrations*.

Hardware

- Avaya S8300, S8500, or S8700 media server
- Avaya AES

Software

- Avaya CM
- Avaya AES

Licensing

- One (1) DMCC *basic* license per recording channel: either DMCC_DMC on AES **or** IP_API_A on CM.
- One (1) IP station (IP_STA) license from the CM per recording channel.

ⓘ A *full* DMCC license could be used instead, since it includes both the DMCC basic license and the IP station license. Avaya licensing is subject to change and should always be verified with your Avaya vendor.

Licensing requirements should always be verified with your Avaya representative.

NICE Uptivity Requirements

Hardware

Uptivity hardware requirements vary depending on system configurations. Appropriate hardware is identified during the system implementation process. For additional information, search online help for keyword *site requirements*.

Software

This guide covers the following:

- NICE Uptivity

Additional third-party software is required for this integration:

- CACE WinPcap version 4.1.x (available from the WinPCAP organization's website)

Licensing

- One (1) Voice seat license per named agent **or**
- One (1) Voice concurrent session license for each simultaneous call that will be recorded
- Additional licensing may be required if the system includes optional features (for example, Uptivity Screen Recording)

Customer Guide to Avaya DMCC-SO Integrations

Customer Configuration Overview

The following table provides a high-level overview of the customer configuration steps in Avaya DMCC-SO integrations. Links are provided for tasks that are covered in this guide.

Customer Configuration Steps for Avaya DMCC-SO Integrations	
1	Complete all necessary physical and IP connections between the recording server(s) and the LAN.
2	Obtain any necessary Avaya software and licensing.
3	Complete the tasks and procedures detailed in the <i>Customer Guide to Avaya TSAPI Integrations</i> .
4	On the Avaya CM: <ul style="list-style-type: none">• Set Call Center System Parameters• Enable Service Observing• Set a Service Observe Feature Access Code• Create a Class of Restriction (COR)
5	Verify DMCC License Availability .
6	Verify the Switch Configuration in AES .
7	Configure Softphone Stations on the AES Server .

Customer Integration Tasks

The information in this section is provided for your reference only. Detailed steps for the Avaya configuration can be found in Avaya's documentation, which is available on the Avaya website. You should always use the appropriate documentation from Avaya to install and configure Avaya components.

Set Call Center System Parameters

```

change system-parameters features                                     Page 11 of 18
                                FEATURE-RELATED SYSTEM PARAMETERS
CALL CENTER SYSTEM PARAMETERS
EAS
  Expert Agent Selection (EAS) Enabled? y
  Minimum Agent-LoginID Password Length: _
  Direct Agent Announcement Extension: _____          Delay: __
  Message Waiting Lamp Indicates Status For: station

VECTURING
  Converse First Data Delay: 0          Second Data Delay: 2
  Converse Signaling Tone (msec): 100      Pause (msec): 70
  Prompting Timeout (secs): 10
  Interflow-qpos EWT Threshold: 2
  Reverse Star/Pound Digit For Collect Step? n
  Available Agent Adjustments for BSR? n
  BSR Tie Strategy: 1st-found
  Store UDN Name in Station's Local Call Log? n
SERVICE OBSERVING
  Service Observing: Warning Tone? n      or Conference Tone? n
  Service Observing Allowed with Exclusion? n
  Allow Two Observers in Same Call? y

```

Sometimes Uptivity needs to observe and make two recordings for a single call (for example, agent-to-agent calls, conference calls with more than one participating agent, and so forth).

1. Log in to GEDI with an appropriately-permissioned account.
2. Enter the command: **change system-parameters features**.
3. On page 11 of the display, verify that **Allow Two Observers in Same Call?** is set to **y**.

After completing this procedure, return to the [Customer Configuration Overview](#).

Customer Guide to Avaya DMCC-SO Integrations

Enable Service Observing

```
display system-parameters customer-options                               Page 6 of 11
CALL CENTER OPTIONAL FEATURES

Call Center Release: 3.0

ACD? y                                                                Reason Codes? y
BCMS (Basic)? y                                                       Service Level Maximizer? y
BCMS/VuStats Service Level? y                                         Service Observing (Basic)? y
BSR Local Treatment for IP & ISDN? n                                   Service Observing (Remote/By FAC)? y
Business Advocate? n                                                  Service Observing (VDNs)? y
Call Work Codes? y                                                    Timed ACW? y
DTMF Feedback Signals For VRU? n                                       Vectoring (Basic)? y
Dynamic Advocate? n                                                    Vectoring (Prompting)? y
Expert Agent Selection (EAS)? y                                         Vectoring (G3V4 Enhanced)? y
EAS-PHD? y                                                             Vectoring (3.0 Enhanced)? n
Forced ACD Calls? n                                                    Vectoring (ANI/II-Digits Routing)? y
Least Occupied Agent? n                                                Vectoring (G3V4 Advanced Routing)? y
Lookahead Interflow (LAI)? y                                           Vectoring (CINFO)? y
Multiple Call Handling (On Request)? y                                   Vectoring (Best Service Routing)? n
Multiple Call Handling (Forced)? y                                       Vectoring (Holidays)? n
PASTE (Display PBX Data on Phone)? y                                   Vectoring (Variables)? n
(NOTE: You must logoff & login to effect the permission changes.)
```

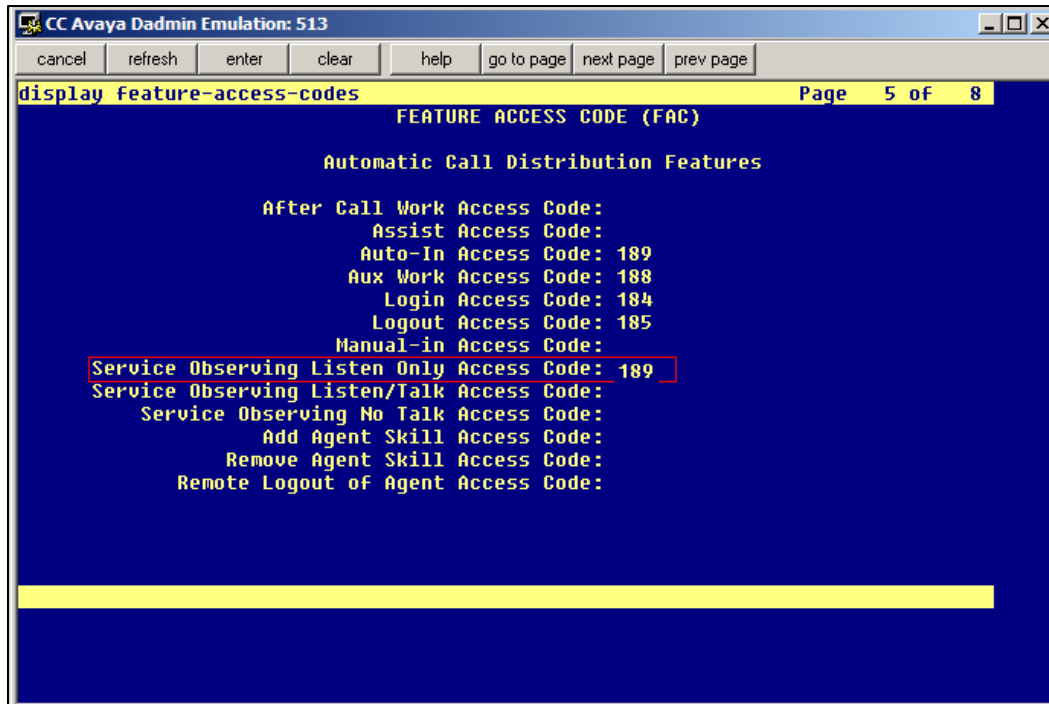
This integration uses the SO feature on the Avaya CM.

1. Log in to GEDI with an appropriately-permissioned account.
2. Enter the **display system-parameters customer-options** command to open the CM System Parameter Customer-Options screen.
3. Verify that **Service Observing (Basic)** and **Service Observing (Remote/By FAC)** are both set to **y**.

If these fields are not enabled, contact your Avaya representative for information on how your installation was initially configured.

After completing this procedure, return to the [Customer Configuration Overview](#).

Set a Service Observe Feature Access Code



The screenshot shows a terminal window titled "CC Avaya Dadmin Emulation: 513". The window has a menu bar with buttons: cancel, refresh, enter, clear, help, go to page, next page, prev page. Below the menu bar, the command "display feature-access-codes" is entered, and the output is displayed on a blue background with white text. The output is titled "FEATURE ACCESS CODE (FAC)" and "Automatic Call Distribution Features". The list of codes includes: After Call Work Access Code, Assist Access Code, Auto-In Access Code: 189, Aux Work Access Code: 188, Login Access Code: 184, Logout Access Code: 185, Manual-in Access Code, Service Observing Listen Only Access Code: 189 (highlighted with a red box), Service Observing Listen/Talk Access Code, Service Observing No Talk Access Code, Add Agent Skill Access Code, Remove Agent Skill Access Code, and Remote Logout of Agent Access Code. The page number "Page 5 of 8" is shown in the top right corner.

```
CC Avaya Dadmin Emulation: 513
cancel refresh enter clear help go to page next page prev page
display feature-access-codes Page 5 of 8
FEATURE ACCESS CODE (FAC)
Automatic Call Distribution Features
After Call Work Access Code:
Assist Access Code:
Auto-In Access Code: 189
Aux Work Access Code: 188
Login Access Code: 184
Logout Access Code: 185
Manual-in Access Code:
Service Observing Listen Only Access Code: 189
Service Observing Listen/Talk Access Code:
Service Observing No Talk Access Code:
Add Agent Skill Access Code:
Remove Agent Skill Access Code:
Remote Logout of Agent Access Code:
```

When supervisors perform a service observe, they must enter an access code. Uptivity must be configured to use this access code as well. You will need to set the **Service Observing Listen Only Access Code** for the Avaya CM and provide this code to your Uptivity installation team.

1. Log in to GEDI with an appropriately-permissioned account.
2. Enter the command: **change feature-access-codes**.
3. Enter a code for **Service Observing Listen Only Access Code** (in the screenshot, the code is **189**) and provide this number to the Uptivity installation team.

After completing this procedure, return to the [Customer Configuration Overview](#).

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Create a Class of Restriction (COR)

You must assign a class of restriction to each trunk group to allow it to issue the Service Observing code.

1. Log in to GEDI with an appropriately-permissioned account.
2. Enter the command: **change cor *n*** to create a COR (*n* can be any number).
3. Enter a description.
4. Set **Can Be a Service Observer** to *y*.

After completing this procedure, return to the [Customer Configuration Overview](#).

Verify DMCC License Availability

Feature (Keyword)	Expiration Date	Licensed	Acquired
IP API Desktop Edition (VALUE_AES_UNRESTRICTED_CC_DESKTOP)	2011/04/23	1000	0
Device Media and Call Control (VALUE_AES_DMCC_DMC)	2011/04/23	100	0
DIG (VALUE_AES_DLG)	2011/04/23	16	0
CVLAN ASAT (VALUE_AES_CVLAN_ASAT)	2011/04/23	16	0
AES ADVANCED SMALL SWITCH (VALUE_AES_AEC_SMALL_ADVANCED)	2011/04/23	3	0
CVLAN Proprietary Links (VALUE_AES_PROPRIETARY_LINKS)	2011/04/23	16	0
AES ADVANCED LARGE SWITCH (VALUE_AES_AEC_LARGE_ADVANCED)	2011/04/23	3	0
TSAPI Simultaneous Users (VALUE_AES_TSAPI_USERS)	2011/04/23	1000	3
AES ADVANCED MEDIUM SWITCH (VALUE_AES_AEC_MEDIUM_ADVANCED)	2011/04/23	3	0
Product Notes (VALUE_NOTES)	2011/04/23		Not counted

Feature	Acquired by	Count
VALUE_AES_TSAPI_USERS	TSAPI (avaya-ees21)	3

DMCC stations must be licensed to be used for recording audio. Each DMCC station needs either a DMCC_DMC license on the AES server **OR** an IP_API_A license on the Avaya CM.

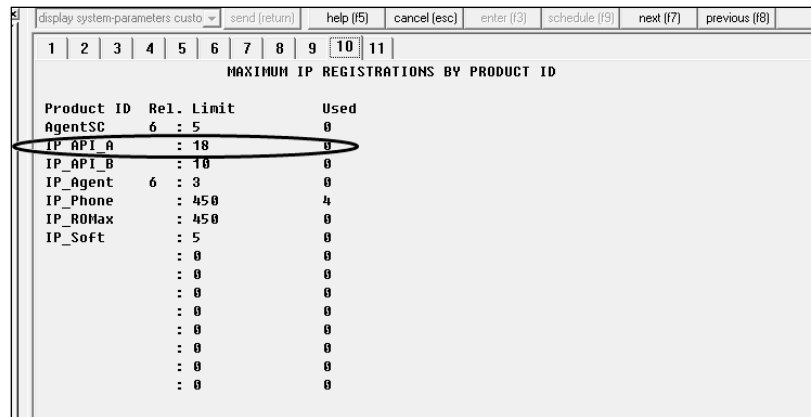
1. In your web browser, browse to the Web License Manager site for your AES server (typically <http://aes-server/WebLM/>, where "aes-server" is the hostname or IP Address of the AES).
2. Log in with an administrative account.
3. From the Licensed Products menu section, click **Application Enablement**.
4. On the **Licensed Features** table, the **Device Media and Call Control** entry will list the total and used values for DMCC_DMC licenses.

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The available IP_API_A license count can be accessed using GEDI. To verify IP_API_A licensing on the Avaya CM (based on CM 5.2.1):

- Run **GEDI** and enter **display system-parameters customer**.

In this image, the limit of available licenses is 18, and there are 0 licenses used. This means that 18 concurrent softphones can be controlled through DMCC, and thus 18 concurrent recordings are possible.



Product ID	Rel. Limit	Used
AgentSC	6 : 5	0
IP_API_A	: 18	0
IP_API_B	: 10	0
IP_Agent	6 : 3	0
IP_Phone	: 450	4
IP_ROMax	: 450	0
IP_Soft	: 5	0
	: 0	0
	: 0	0
	: 0	0
	: 0	0
	: 0	0
	: 0	0
	: 0	0
	: 0	0
	: 0	0

After completing this procedure, return to the [Customer Configuration Overview](#).

Verify the Switch Configuration in AES

If a switch connection will be used to configure the Uptivity voice board, you must confirm that the connection was created, copy the connection name **exactly** as it appears, and provide that name to the Uptivity installation team.

1. Log in to the AES server with an administrative account.
2. Navigate to **Communication Manager Interface** and click **Switch Connection**.
3. Click **Edit H.323 Gatekeeper**.
4. Enter the gatekeeper's IP address if necessary.

After completing this procedure, return to the [Customer Configuration Overview](#).

Configure Softphone Stations on the AES Server

The screenshot shows the 'avaya01 GEDI' window with the 'STATION' configuration for extension 5010. The 'Type' is set to 4610, 'Security Code' is *, 'COR' is 1, and 'IP SoftPhone?' is Y. Other fields include 'Extension: 5010', 'Port: S00010', 'Name: DMCC Recording Station 1', 'Loss Group: 19', 'Speakerphone: 2-way', 'Display Language: english', 'Survivable GK Node Name:', 'Survivable COR: internal', 'Survivable Trunk Dest? y', 'Personalized Ringing Pattern: 1', 'Message Lamp Ext: 5010', 'Mute Button Enabled? y', 'Media Complex Ext:', 'IP Video Softphone? n', and 'Customizable Labels? y'. A note at the bottom states: 'Right-click in a field to see a list of valid entries or help text'.

For each Uptivity recording channel, a corresponding softphone station must be created and configured on the AES server.

1. In GEDI, enter: **Display station xxxx** , where **xxxx** is the station extension.
2. Set **Type** to a VoIP phone type (for example, **4610**).
3. Enter the **Security Code** (numerical passcode) for the extension.
4. Set the **COR** to that created previously (see [Create a Class of Restriction \(COR\)](#)).
5. Set **IP Softphone** to **Y**.

The "IP_Soft" license is used to allow the actual "Avaya IP Softphone" software client to connect and register an extension. Since our DMCC stations do not use this software, we do not require any additional licenses for the integration.

Record the **Extension** and **Security Code** values and provide this information to the Uptivity installation team.

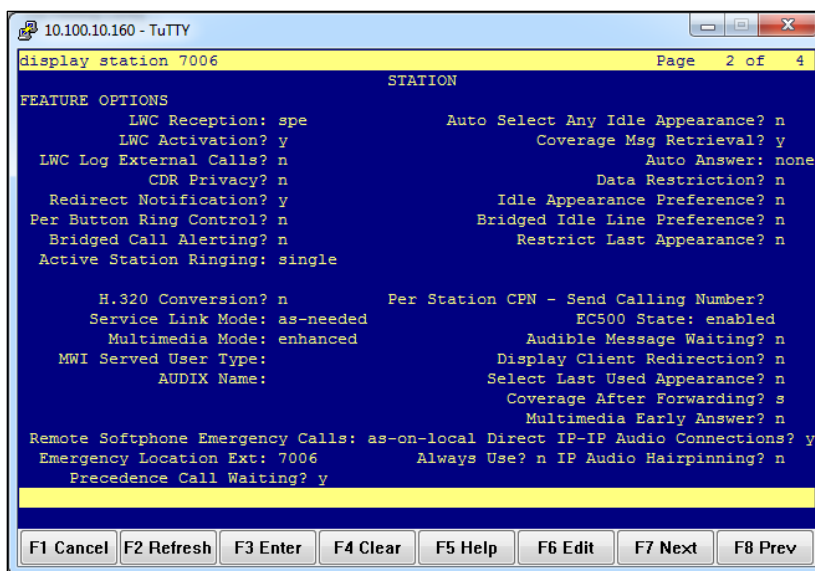
Optional: Configure Avaya to Record one-X Attendants

one-X Attendant Stations Overview

Avaya one-X® Attendant is an application that provides a softphone for users who are typically in an operator or switchboard role. Because of the way the application interacts with the Avaya CM, one-X Attendant stations require special configuration for recording. Service Observe is the only Avaya DMCC recording method that supports capturing one-X Attendant audio.

In addition to the one-X Attendant station, the user must also have an associated physical station (for example, a 9641 station) which Uptivity terms the "answering device". Uptivity monitors the answering device for call events and then sends a call to record audio from the one-X Attendant station when needed.

Set Service Link Mode

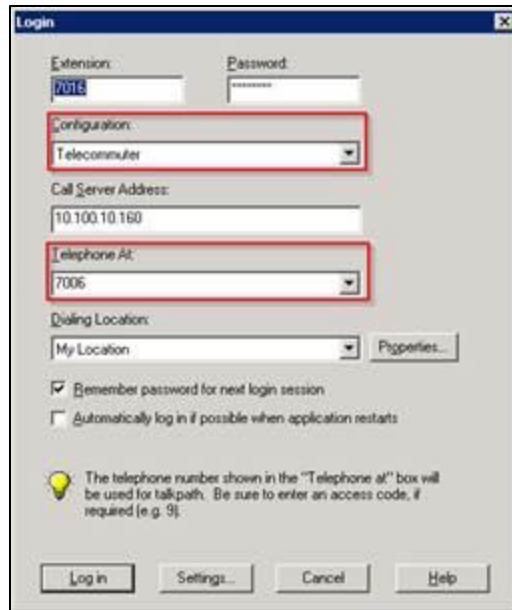


1. Log in to the Communication Manager administrative interface.
2. Navigate to page 2 of the station settings for the answering device.
3. Set **Service Link Mode** to *as-needed*. Setting the mode to *permanent* causes Avaya to create a single call for the entire time the user is logged into the one-X Attendant.

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Set Telecommuter Mode

For this recording integration, the one-X Attendant must always be in telecommuter mode. In this mode, the one-X Attendant is configured to forward calls to the answering device, and Uptivity monitors and records audio for that device. The user will also answer incoming and make outgoing calls on the answering device.



The screenshot shows a 'Login' dialog box with the following fields and options:

- Extension: 7005
- Password: [Redacted]
- Configuration: Telecommuter (selected in a drop-down menu)
- Call Server Address: 10.100.10.160
- Telephone At: 7005 (selected in a drop-down menu)
- Dialing Location: My Location (selected in a drop-down menu)
- Remember password for next login session:
- Automatically log in if possible when application restarts:
- Buttons: Log in, Settings..., Cancel, Help
- Help text: The telephone number shown in the "Telephone at" box will be used for talk path. Be sure to enter an access code, if required (e.g. 9).

1. Open the **Login** dialog box for the one-X Attendant.
2. For **Configuration**, select *Telecommuter* from the drop-down list.
3. For **Telephone at**, select the extension of the answering device.
4. Click **Log in**.

Customer Administration Tasks

During ongoing use of the system, your Uptivity administrator may need to configure new channels or reconfigure existing channels. This integration requires changes to the **Voice Boards** page in the Uptivity **Web Portal** when channels are added or must be reconfigured.

For more information on voice boards, search online help for keyword *voice boards*.


Channel Configuration Settings

This section provides a reference to channel settings that must be configured for the Avaya DMCC-SO integration. You should refer to this section whenever you add new channels to your NICE Uptivity system. To learn how to add channels to a voice board, visit online help.

Any other voice board changes should only be done under direct supervision from Uptivity Support. Done incorrectly, voice board modifications can have serious negative impact to your system. In addition, altering the hardware configuration of your system may void your warranty.

The following settings apply when configuring channels for Avaya DMCC-SO integrations:

Setting	Definition	Value
Assign	Used in deployments where physical devices and channels have a one-to-one correspondence, or to allocate specific channels to specific types of recording. For details, search online help for keyword <i>channel assignment</i> .	<i>Anything</i>
Station	Enter a DMCC station extension.	
Password	Enter the password for the DMCC station.	
Name	Enter an optional name for the channel that can be used in channel scripting.	

 You must restart the **CTI Core** service after any changes to voice boards, channels, or both.

Avaya one-X Attendant Configuration

 This section applies only if you are recording one-X Attendant stations.

Each user of a one-X Attendant station must also have an associated physical station (for example, a 9641 station) which Uptivity terms the "answering device". Uptivity monitors the answering device for call events and then sends a call to record audio from the one-X Attendant station when needed.

Your Uptivity installation team created a recording schedule for the one-X Attendant stations that specifically excludes the answering devices. This ensures that Uptivity never tries to record audio on the answering device, but only monitors it for events.

If you make changes to the one-X Attendant stations, the associated physical station, or both this schedule may need to be modified. For instructions on creating and editing schedules, search online help for keyword *schedule*. If you have additional questions, contact Uptivity Support.

Appendix: Avaya DMCC Recording Method Comparison

NICE Uptivity supports three different recording methods using DMCC. The following table may help you evaluate the pros and cons of each method during discovery, and determine which integration is best for you. This table is based on information from inContact's experience with NICE Uptivity implementations and the Avaya application note *Developing Client-Side IP Call Recording Applications Using Avaya Application Enablement Services*. Licensing requirements should always be verified with your Avaya representative.

	Single Step Conference (SSC)	Service Observe (SO)	Multiple Registration (MR)
DMCC License	One Full per concurrent recording channel OR One Basic per concurrent recording channel AND one IP Station license per concurrent recording channel	One Full per concurrent recording channel OR One Basic per concurrent recording channel AND one IP Station license per concurrent recording channel	One Basic per concurrent recording channel
TSAPI License	One per recorded device to monitor the device for phone events; one per concurrent recording channel to initiate SSC for recording; and one for the skill monitored for recording.	One per recorded device. Used to monitor the device for phone events. Joining the recording station to the call is performed via DMCC resources.	One per recorded device
Maximum active participants per call	Five. CM supports up to six participants including the recording device, leaving five possible phone participants.	Five. CM supports up to six participants including the recording device, leaving five possible phone participants.	Six
Supported extension types	All	All	DCP and Avaya H.323. Can register recording devices only at extensions that are softphone-enabled on CM's Station form.

Appendix: Avaya DMCC Recording Method Comparison

	Single Step Conference (SSC)	Service Observe (SO)	Multiple Registration (MR)
Maximum recording devices in a call	Four in a two-party call (six minus the number of active participants).	Two for Communication Manager 4.0 and higher One for earlier releases.	Six (one per participant).
Available in AES/CM releases	AES 3.0 and higher CM 3.0 and higher	AES 3.0 and higher CM 3.0 and higher	AES 4.1 and higher CM 5.0 and higher
Additional media processors consumed	One per recording device	One per recording device	One per recording device
Additional TDM time slots consumed (assuming a single port network)	Active Participation: One per recording device Silent Participation: 0	Listen/Talk FAC : One per recording device Listen Only FAC: 0	0
Allows recording notification warning to be played to participants	No. Avaya AES supports this feature with SSC but Uptivity runs as a Silent Participant, preventing it from sending the notification.	Yes	No
Class of Restrictions (CORs) needed	N/A	Restricted via CORs on both station and agent levels. Benefit: Security. Agent must be logged into the CM to be recorded. Drawback: Requires additional administration for phones and agents.	N/A

Appendix: Avaya DMCC Recording Method Comparison

	Single Step Conference (SSC)	Service Observe (SO)	Multiple Registration (MR)
Supports highly-available call recording	Yes, but at cost of available active party slots in calls.	Yes, two for Communication Manager 4.0 and higher	Yes. Depending on configuration and provisioning, each registration can be through separate hardware and network paths, or overlapped, to achieve varying levels of high availability. Supports registration of a second recording device at a target extension, providing a back-up should one recording fail. Additional hardware or licensing may be required.
Potential delay starting call or recording start failure	N/A	SO requires a feature access code and target number to be dialed; there can be a slight delay (hundreds of milliseconds) after the call has started before the recording device joins the call. Since the SO session requires dialing, there can be a small chance of failure if the CM does not interpret the dial string correctly.	N/A

Appendix: Avaya DMCC Recording Method Comparison

Regular registration of target recording devices	N/A	N/A	Not recommended if target devices are not registered with the CM on a regular basis (that is, daily). MR does not notify secondary stations when the primary is unregistered; thus, secondary stations initiate retry events for registration that may eventually lead to resource issues on the AES.
	Single Step Conference (SSC)	Service Observe (SO)	Multiple Registration (MR)
Records Trunk-to-Trunk Transfers	Trunk-to-Trunk calls transferred over a VDN can be recorded by monitoring the VDN for call IDs and conferencing a DMCC station into the calls.	N/A	N/A
Records Avaya one-X® Attendant Stations	No	Yes with special configuration.	No
Allows dynamic channel allocation	No	No	Yes with Uptivity Voice Board Reloading license.