



## **Avaya Solution & Interoperability Test Lab**

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# **Application Notes for ADTRAN NetVanta UC Server with Avaya IP Office 8.1(56) Using TAPI - Issue 1.0**

### **Abstract**

These Application Notes describe the procedure for configuring the ADTRAN NetVanta UC Server to interoperate with Avaya IP Office 500 V2

ADTRAN NetVanta Unified Communications (UC) Server is a software-only package designed for Microsoft Windows platforms that provides capabilities of unified communications. ADTRAN NetVanta UC Server used the TAPI interface and two analog ports connected to Avaya IP Office 500 V2 to provide automated attendant, voicemail services and fax server features to users.

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 the procedure for configuring ADTRAN NetVanta UC Server (herein referred to as NetVanta UC Server) to interoperate with Avaya IP Office 500 V2 (herein refers as Avaya IP Office).

NetVanta UC Server is a software-only package designed for Microsoft Windows platforms that provides all the capabilities of unified communications – without the need for a forklift upgrade. It is perfect for organizations that already have one or more PBXs, but want the added benefits of unified communications. NetVanta UC Server is capable of supporting unified communications on PBXs from most manufacturers.

The NetVanta UC server interacts with Avaya IP Office via Analog integration (Tip and Ring) for the media and TAPI2 in third party mode for the control. The analog integration provides media for both voice and fax messages.

## 2. General Test Approach and Test Results

The interoperability compliance test included both feature functionality and serviceability testing. The feature functionality testing focused on verification of voicemail, automated attendant and fax server features provided by the NetVanta UC Server to interoperate successfully with the Avaya endpoints and Avaya IP Office. The serviceability testing focused on verifying the ability of the NetVanta UC Server to recover from disconnection and reconnection to the Avaya solution.

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

The interoperability compliance testing focused on verifying the following:

- Creation and appropriate playback of internal, external, and out-of-office greetings for all voicemail users.
- Voicemail recoding, logging, and retrieval for users with analog, digital and H.323 telephone types.
- Proper activation and deactivation of the MWI for all voicemail users.
- Proper operations of the auto attendant with the ability to transfer from the NetVanta UC Server to digital, analog and H.323 telephones attached to Avaya IP Office.
- Fax from/to the NetVanta UC Server to/from fax machine at local site.
- Fax from/to the NetVanta UC Server to/from fax machine at remote site out the PSTN.
- Successfully tested DTMF using voicemail and automated attendant.
- Successfully tested G.711MU codec.

The serviceability testing focused on verifying the ability of the NetVanta UC Server to recover from adverse conditions, such as resetting the NetVanta UC Server, resetting IP Office, disconnecting/ reconnecting the Ethernet and analog connections to the NetVanta UC Server.

## 2.2. Test Results

The test objectives were verified. For serviceability testing, NetVanta UC Server operated properly after recovering from failures such as cable disconnects, and resets of the NetVanta UC Server and Avaya IP Office.

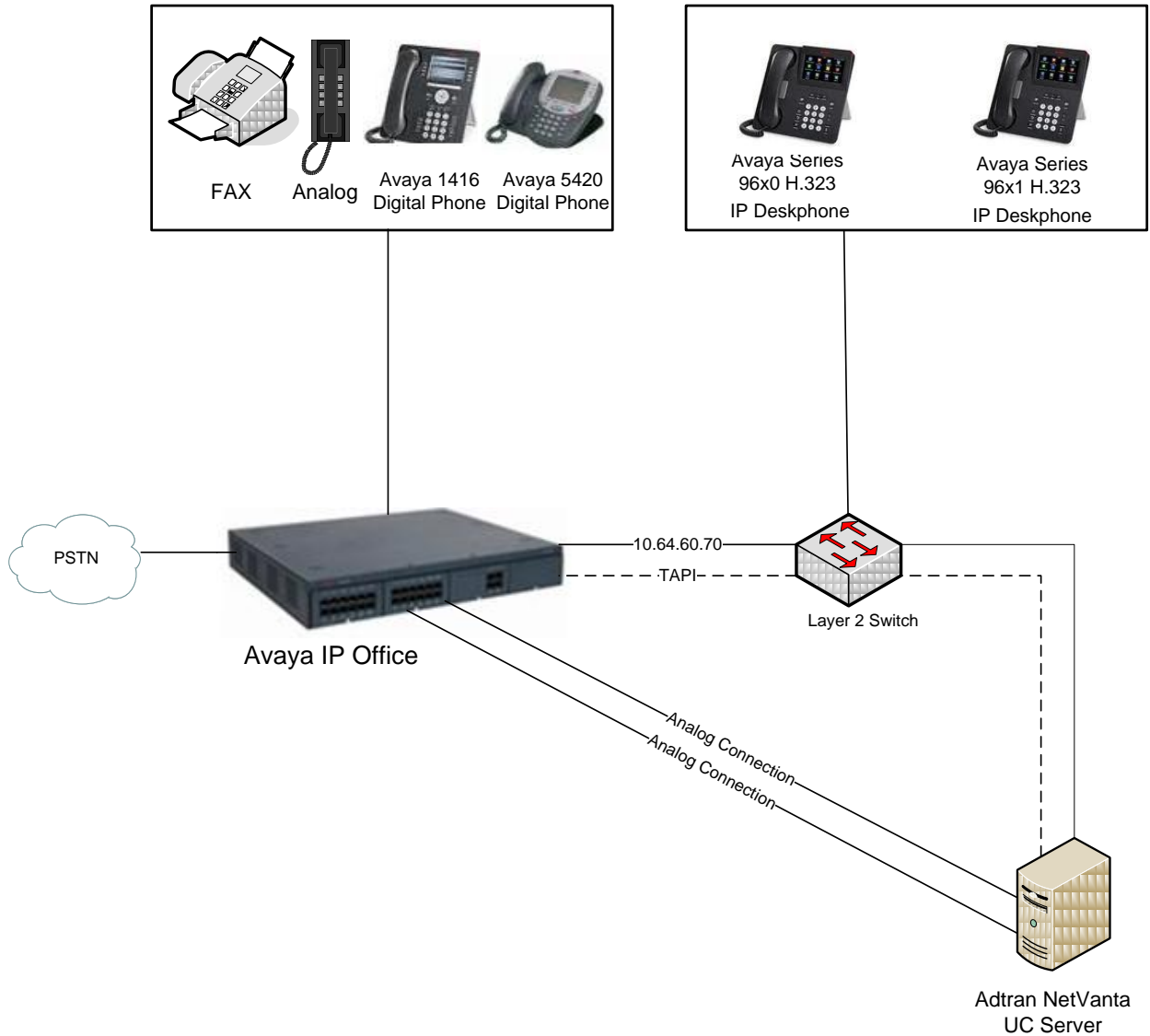
## 2.3. Support

Technical support for the NetVanta UC Server solution can be obtained by contacting ADTRAN:

- URL – [http://www.adtran.com/web/page/portal/Adtran/wp\\_support\\_postsalestechsupport](http://www.adtran.com/web/page/portal/Adtran/wp_support_postsalestechsupport)
- Phone – 888-4ADTRAN

### 3. Reference Configuration

The configuration used for compliance testing is shown below.



**Figure 1: Compliance Test Configuration**

## 4. Equipment and Software Validated

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

Equipment	Software
Avaya IP Office 500 V2	R8.1 (56)
Avaya TAPI	User CD 4.2 (47) TAPI Installer – v3.2.27
Avaya 9608 IP Deskphone (H.323)	6.2.2 (SP2)
Avaya 9641G IP Deskphone (H.323)	6.2.2 (SP2)
Avaya 9630 IP Deskphone (H.323)	3.1.5
Avaya 5420 Digital Telephone	N/A
Avaya 9508 Digital Telephone	N/A
Generic Analog / Fax	N/A
NetVanta Unified Communications Server on Microsoft Windows 2008 Standard R2	5.2.0.8058

*Testing was performed with IP Office 500 R8.1, but it also applies to IP Office Server Edition R8.1. Note that IP Office Server Edition requires an Expansion IP Office 500 v2 R8.1 to support analog or digital endpoints or trunks.*

## 5. Configure Avaya IP Office

This section describes the steps required for configuring Avaya IP Office. During the compliance test, a SIP trunk to the PSTN was utilized. However, configuration of these will not be included in these Application Notes, since the solution is based on analog and TAPI connection to the NetVanta UC Server.

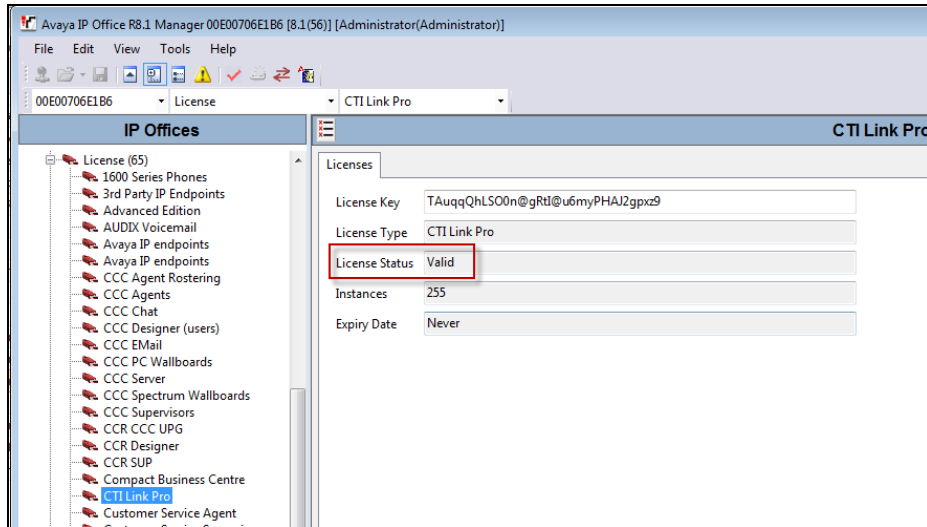
The procedures include the following areas:

- Verify IP Office License
- Obtain LAN IP Address
- Administer Extensions
- Administer Users
- Administer Analog Ports
- Administer Hunt Groups
- Administer System Voicemail
- Administer Voicemail Users

## 5.1. Verify IP Office License

From a PC running the Avaya IP Office Manager application, navigate to **Start → Programs → IP Office → Manager** to launch the application. Select the proper IP Office system, and log in using the appropriate credentials.

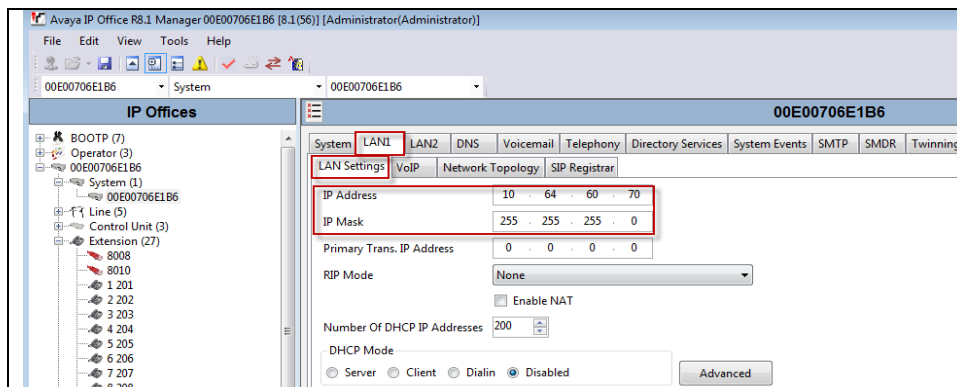
The Avaya IP Office Manager screen is displayed. From the configuration tree in the left pane, select **License → CTI Link Pro** to display the **CTI Link Pro** screen in the right pane. Verify that the **License Status** is “Valid”.



## 5.2. Obtain LAN IP Address

From the configuration tree in the left pane, select **System** to display the System screen in the right pane.

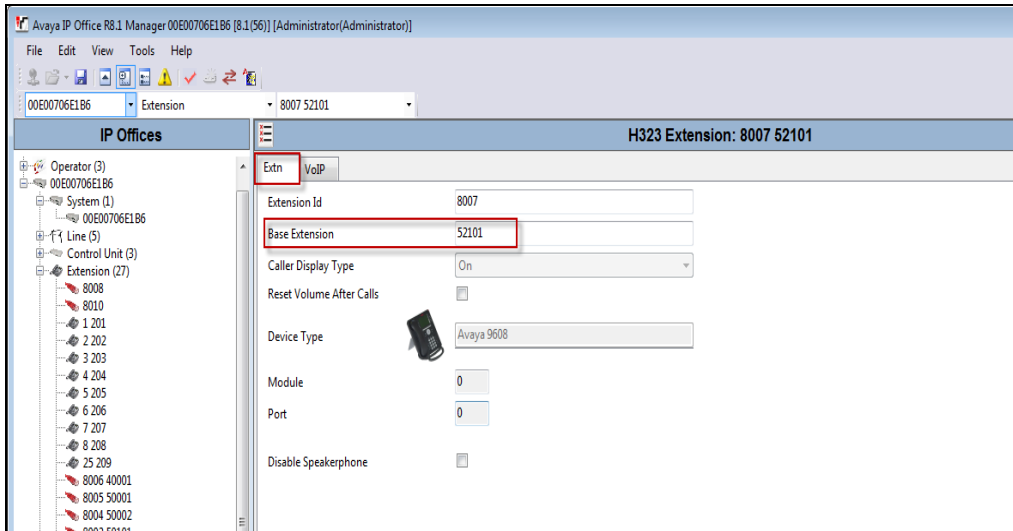
Select the **LAN1** tab, followed by the **LAN Settings** sub-tab in the right pane. Make a note of the IP Address, which will be used later in the NetVanta UC Server configuration section. Note that IP Office can support SIP on the LAN1 and/or LAN2 interfaces, and the compliance testing used the LAN1 interface.



### 5.3. Administer Extensions

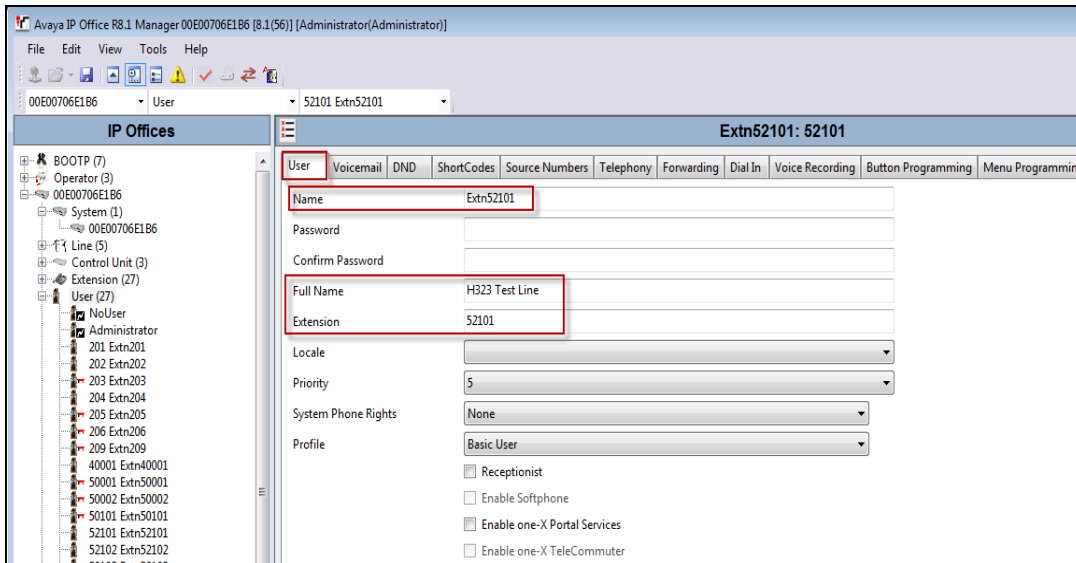
From the configuration tree in the left pane, right-click on **Extension**, and select **New** → **H.323 Extension** from the pop-up list to add a new H.323 extension. Enter the desired digits for the **Base Extension** field.

Click the **OK** button.



### 5.4. Administer Users

From the left pane, right-click on **User**, and select **New** from the pop-up list. Enter desired values for the **Name** and **Full Name** fields. For the **Extension** field, enter the H.323 extension created in **Section 5.3**.



Repeat previous two steps if additional H.323 extensions and users are needed. Analog and Digital extensions and users are automatically added, however they can be edited if needed.

## 5.5. Administer Analog Ports

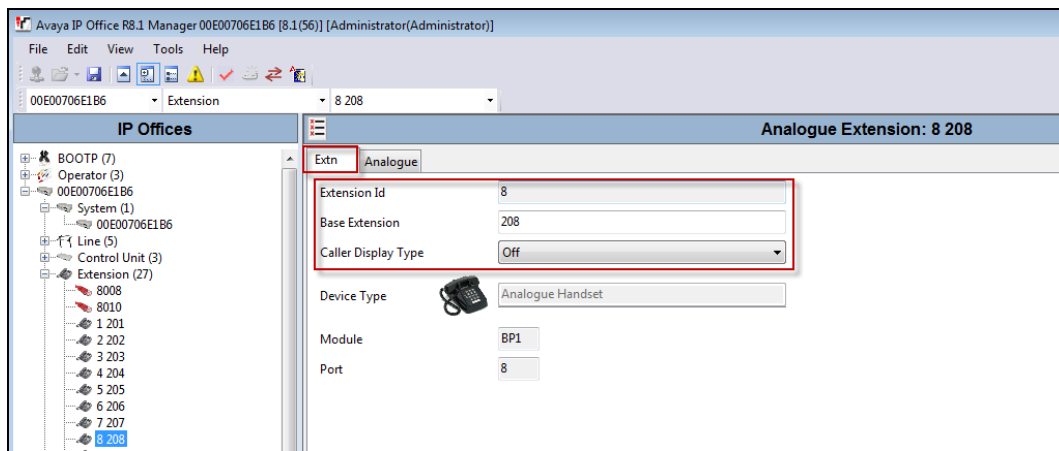
The NetVanta UC server connects to the Avaya IP Office via Analog Extensions. The information below is the programming required for the ports used to physically connect the NetVanta UC Server to the Avaya IP Office.

### 5.5.1. Analog Extension

From the left pane, click **Extension** and select the analog extension to be configured.

Select the **Extn** tab from the right pane. Enter in the values listed below. If a property/value is not specified, leave it as the default value.

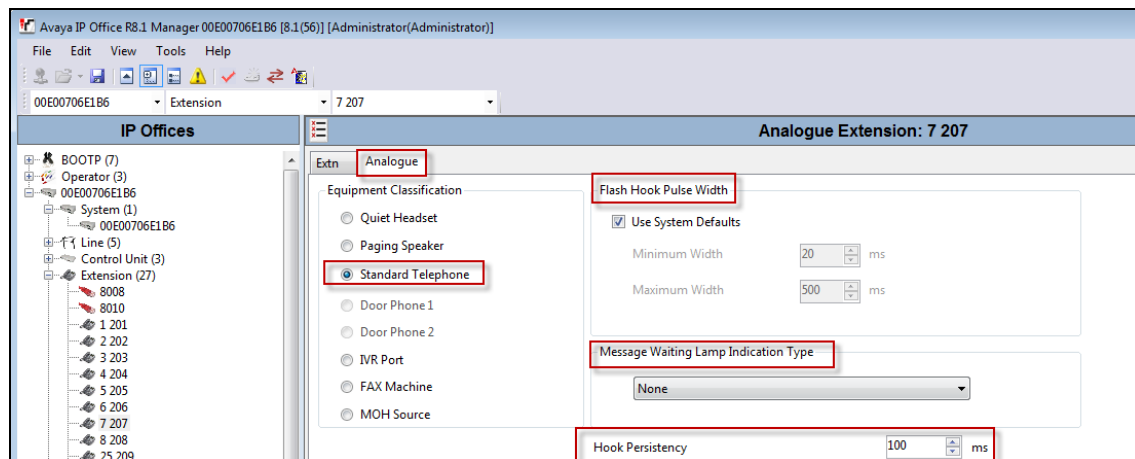
- Extension ID: **(Automatically configured by the system)**
- Base Extension: **(Assign a unique extension number for each voicemail port)**
- Caller Display Type: **Off**





Click on the **Analogue** tab; enter in the values listed below. If a property/value is not specified, leave it as the default value.

- Equipment Classification: **Standard Telephone**
- Flash Hook Pulse Width: Min: **20**, Max: **500**
- Message Waiting Lamp Indication Type: **None**
- Hook Persistency: **100ms**



## 5.5.2. Analog User

From the left pane, click **User** and select the analog user to be configured.

Select the **User** tab from the right pane. Enter in the values listed below. If a property/value is not specified, leave it as the default value

- Name: **(Assign the name of voicemail port)**
- Password Leave Blank: **(default)**
- Confirm password Leave Blank: **(default)**
- Full Name: **Name of the voicemail port**
- Extension: **(Assign to be the same as the Base Extension number defined in the Section 5.5.1)**
- Ex Directory: **Disabled**

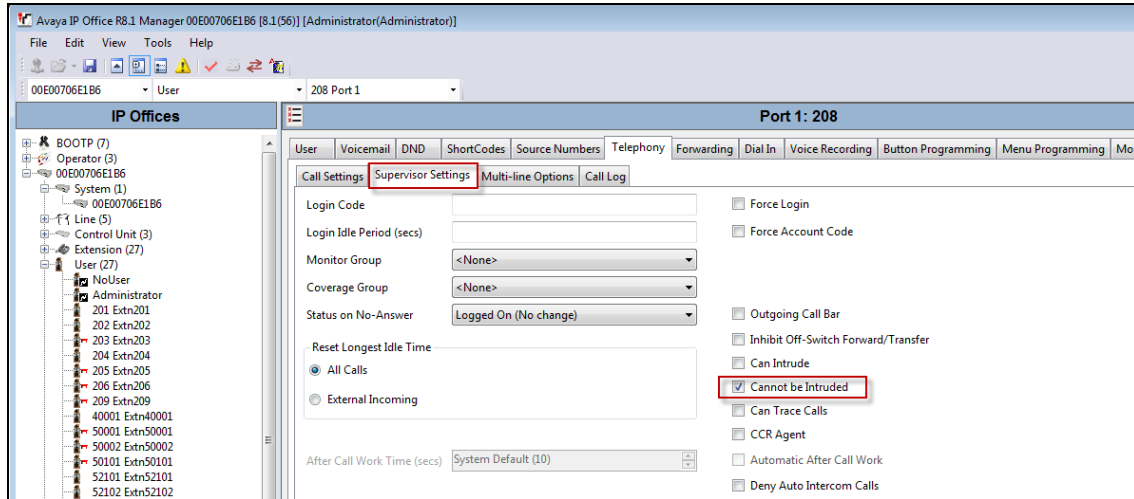
The screenshot shows the Avaya IP Office Manager interface. The left pane displays a tree view of the system configuration, including IP Offices, Operators, Systems, Lines, Control Units, Extensions, and Users. The right pane shows the configuration for a specific user on Port 1: 208. The 'User' tab is selected, and the following fields are visible:

Field	Value
Name	Port 1
Password	
Confirm Password	
Full Name	Port 1
Extension	208
Locale	
Priority	5
System Phone Rights	None
Profile	Basic User
Receptionist	<input type="checkbox"/>
Enable Softphone	<input type="checkbox"/>
Enable one-X Portal Services	<input type="checkbox"/>
Enable one-X TeleCommuter	<input type="checkbox"/>
Enable Remote Worker	<input type="checkbox"/>
Enable Flare	<input type="checkbox"/>
Ex Directory	<input checked="" type="checkbox"/>

The 'Ex Directory' checkbox is checked, and the 'Flare Mode' is set to 'Standalone'.

On the **Voicemail** tab, all settings and values are blank and unchecked

Select the **Telephony** tab, and then sub-tab **Supervisor Settings**. **Cannot be intruded** enabled (checked).

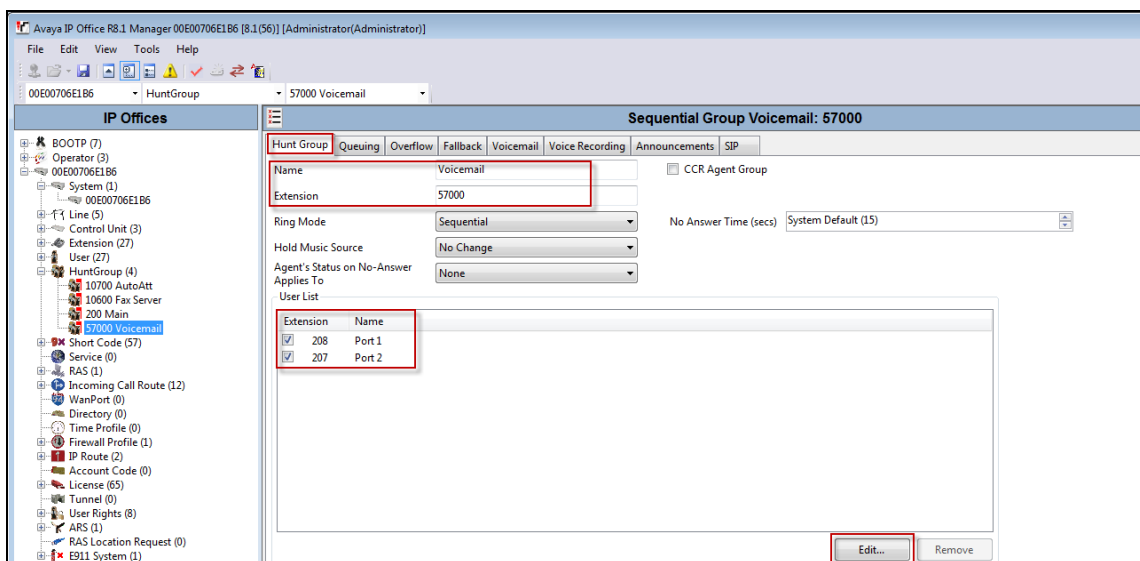


## 5.6. Administer Hunt Groups

Three Hunt groups were created/used for this compliance test; voicemail, auto-attendant and fax server. Only the Voicemail Hunt Group is shown below. Use the same steps to configure the other groups

From the configuration tree in the left pane, right-click on **HuntGroup** and select **New** from the pop-up list to add a new hunt group. This hunt group will be used to deliver calls to the NetVanta UC Server for Voicemail.

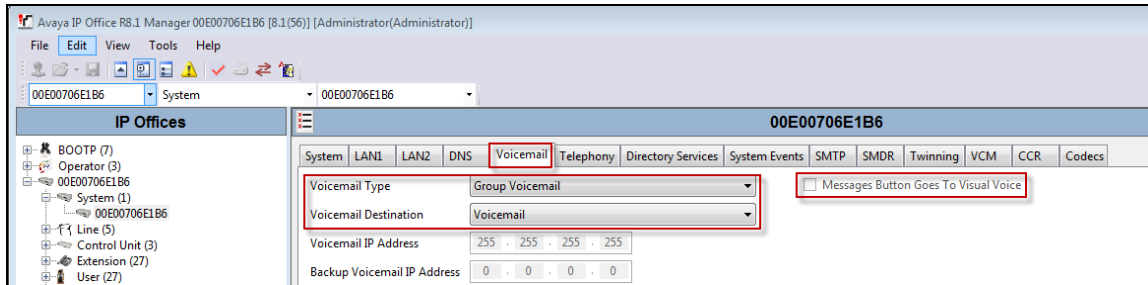
Enter desired values for the **Name** and **Extension** fields, and retain the default values in the remaining fields. Click on **Edit** in the **User List** section to add members.



## 5.7. Administer System Voicemail

From the configuration tree in the left pane, select **System** to display the System screen in the right pane. Select the Voicemail tab in the right pane.

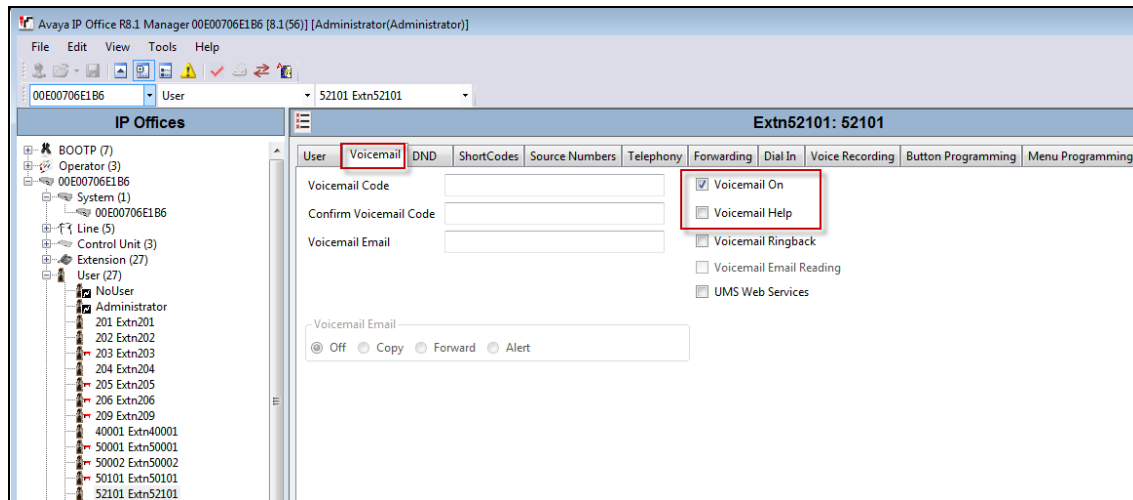
Uncheck **Messages Button Goes To Visual Voice**. For **Voicemail Type**, select “Group Voicemail”. For **Voicemail Destination**, select the name of the voicemail hunt group from **Section 5.6**, as shown below.



## 5.8. Administer Voicemail Users

From the configuration tree in the left pane, select the user that will be using the NetVanta UC Server for voicemail. In this case, the user is “52101” (User was created in **Section 5.4**). Repeat this section for all users using the NetVanta UC Server for voicemail.

Select the **Voicemail** tab. Check **Voicemail On**, and uncheck **Voicemail Help**, as shown below.



## 6. Configure ADTRAN NetVanta UC Server

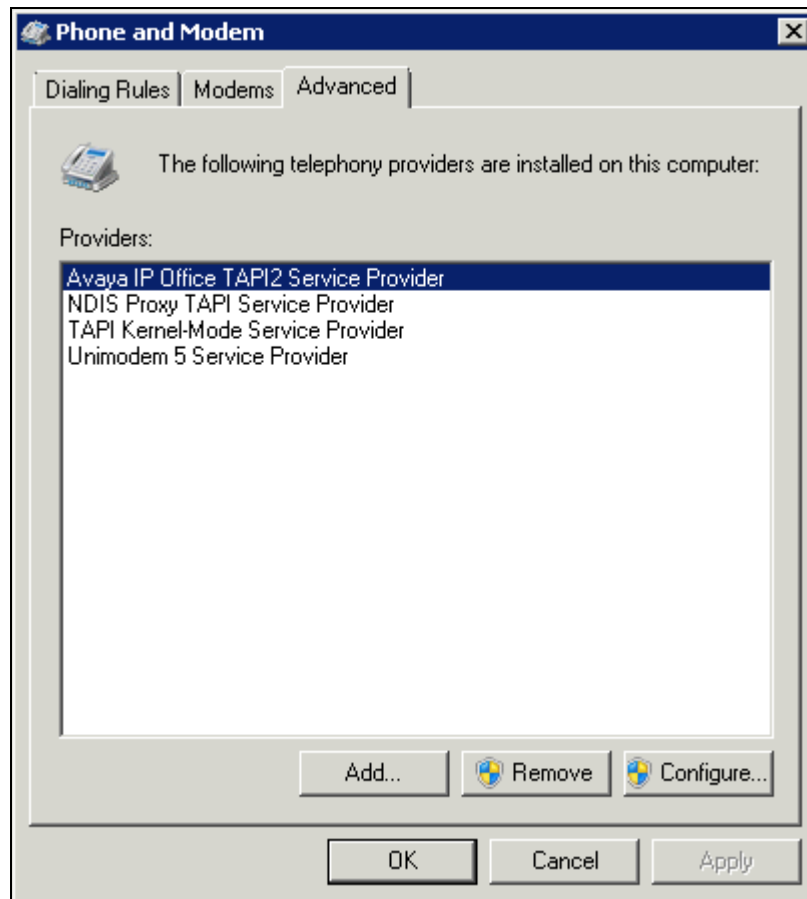
ADTRAN installs, configures, and customizes the NetVanta UC Server application for their end customers. Thus, this section only describes the basic configuration, so that NetVanta UC Server can talk to Avaya IP Office.

This section provides the procedure for configuring the NetVanta UC Server. The procedures include the following areas:

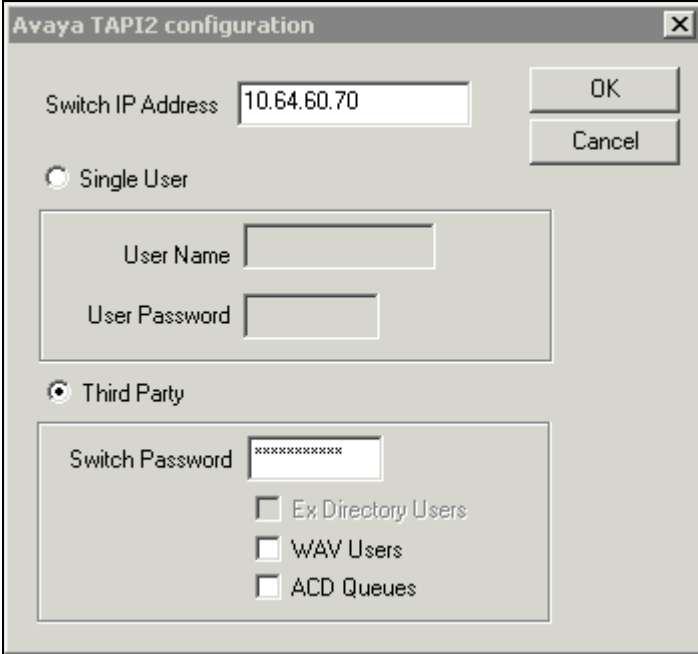
- Administer TAPI driver
- Administer Ports
- Administer Users
- Administer Identities

### 6.1. Administer TAPI Driver

From the NetVanta UC Server, navigate to **Start → Control Panel**, and click on the **Phone and Modem** icon (not shown). In the displayed **Phone and Modem** screen, select the **Advanced** tab. Select the **Avaya IP Office TAPI2 Service Provider** entry, and click **Configure**.



The **Avaya TAPI2 configuration** screen is displayed. For **Switch IP Address**, enter the IP address of Avaya IP Office. Select the radio button for **Third Party**, and enter the Avaya IP Office password into the **Switch Password** field. Reboot the NetVanta UC Server.



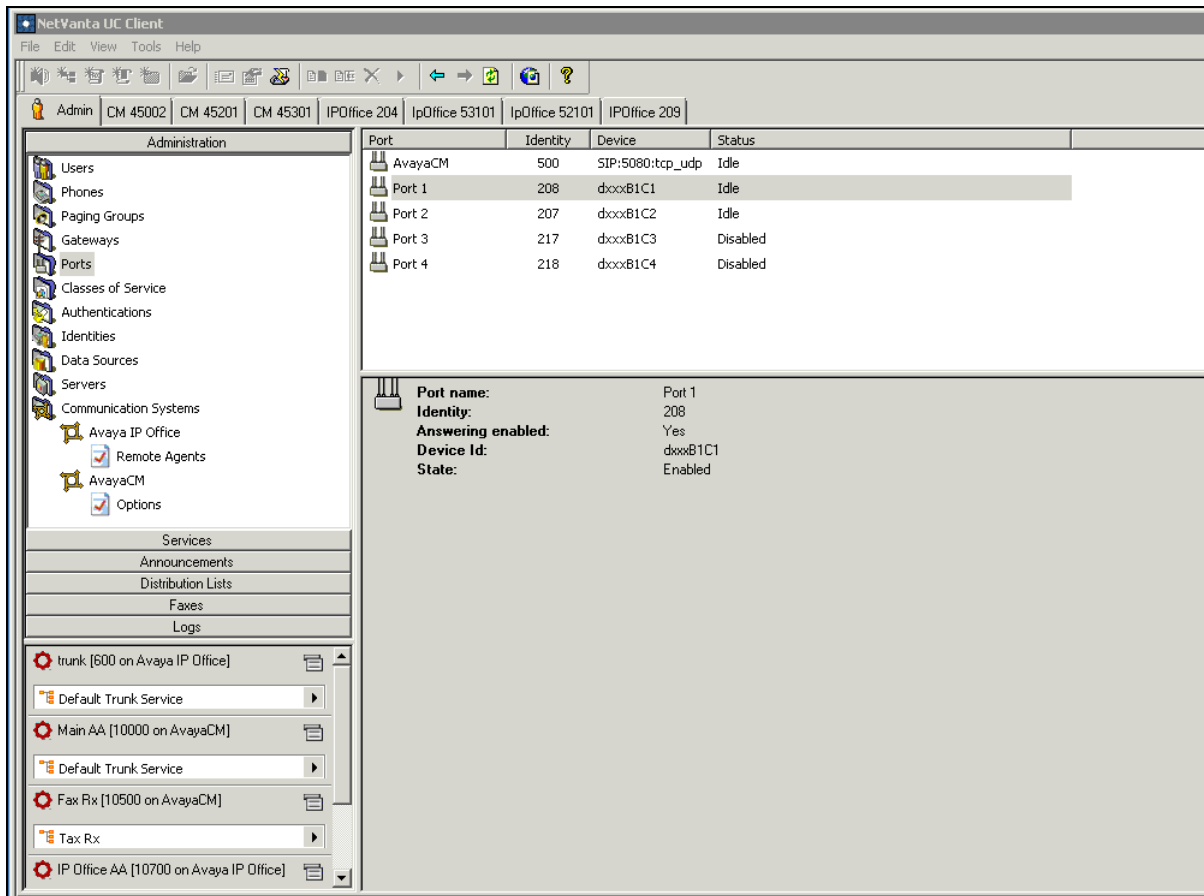
The screenshot shows a dialog box titled "Avaya TAPI2 configuration" with a close button (X) in the top right corner. The dialog contains the following fields and options:

- Switch IP Address:** A text input field containing "10.64.60.70".
- Buttons:** "OK" and "Cancel" buttons are located to the right of the IP address field.
- Radio Buttons:** Two radio buttons are present: "Single User" (unselected) and "Third Party" (selected).
- Single User Section:** A group box containing "User Name" and "User Password" text input fields.
- Third Party Section:** A group box containing a "Switch Password" text input field with asterisks, and three unchecked checkboxes: "Ex Directory Users", "WAV Users", and "ACD Queues".

## 6.2. Administer Ports

Incoming ports for the NetVanta UC Server are summarized here. Ports 1 and 2 were the analog ports used for Avaya IP Office integration, up to four can be used.

To configure port, navigate to **Start → All Programs → ADTRAN → NetVanta UC Server → NetVanta UC Client**. Click **Ports** from the left pane.



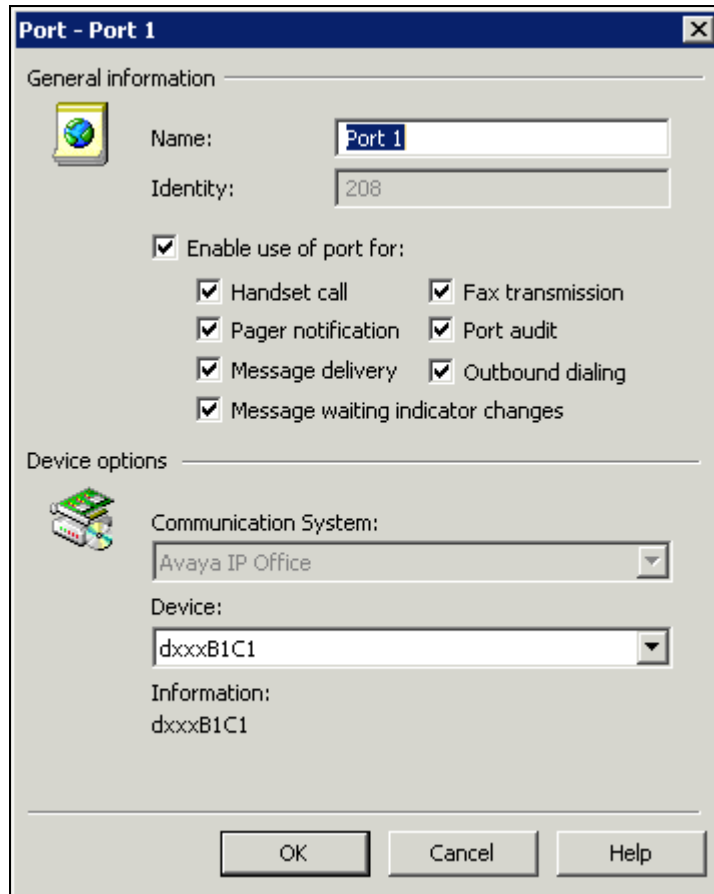
The screenshot shows the NetVanta UC Client interface. The left pane displays a tree view with 'Ports' selected under the 'Administration' section. The main pane shows a table of ports and a detailed configuration view for 'Port 1'.

Port	Identity	Device	Status
AvayaCM	500	SIP:5080:tcp_udp	Idle
Port 1	208	dxxxB1C1	Idle
Port 2	207	dxxxB1C2	Idle
Port 3	217	dxxxB1C3	Disabled
Port 4	218	dxxxB1C4	Disabled

<b>Port name:</b>	Port 1
<b>Identity:</b>	208
<b>Answering enabled:</b>	Yes
<b>Device Id:</b>	dxxxB1C1
<b>State:</b>	Enabled

Ports may be configured to provide a number of services. If there is more than one port, some services such as fax transmission may be chosen for some ports but not for others.





### 6.3. Administer Users

Navigate to **Start** → **All Programs** → **ADTRAN** → **NetVanta UC Server** → **NetVanta UC Client**. Click **Users** from the left pane.

The screenshot shows the NetVanta UC Client interface. The left pane is expanded to 'Users'. The main area displays a table of users with columns: Display Name, Identities, Class of Service, Locked Out, Phones, Mode, and Message Store. The user 'IPOffice 204' is selected. The right pane shows the detailed configuration for this user.

Display Name	Identities	Class of Service	Locked Out	Phones	Mode	Message Store
Admin	600, 10000, 10...					
Alex Dube					Personal Assistant	Local Message Store
CM 45002	45002	System Voice Mail			Personal Assistant	Local Message Store
CM 45101	45101	System Voice Mail			Personal Assistant	Local Message Store
CM 45201	45201	System Voice Mail			Personal Assistant	Local Message Store
CM 45301	45301	System Voice Mail			Personal Business As...	Local Message Store
Ext 205	205				Personal Assistant	Local Message Store
IP Office 53104	53104	System Voice Mail			Personal Assistant	Local Message Store
<b>IPOffice 204</b>	<b>204</b>	<b>System Voice Mail</b>			<b>Personal Assistant</b>	<b>Local Message Store</b>
IPOffice 209	209	System Voice Mail			Personal Assistant	Local Message Store
IpOffice 52101	52101	System Voice Mail			Personal Assistant	Local Message Store
IpOffice 53101	53101	System Voice Mail			Personal Assistant	Local Message Store

**User details for IPOffice 204:**

- User name:** IPOffice 204
- First name:** IPOffice
- Last name:** 204
- Class of service:** System Voice Mail
- Voice:** < System default voice >
- Included in dial-by-name:** Yes
- Mode:** Personal Assistant
- User type:** Local User
- Operator:** (using system operator)
- Has logged in:** Yes
- Message store:** Local Message Store
- Contact database:** Client-Side Contact Cache
- Integrated messaging:** Enabled
- Time zone:** < Same time zone as server system >
- Most recent GUI access:** Never
- Most recent TUI access:** 12/19/2012 12:31:38 PM
- Last PIN update:** 12/12/2012 10:37:36 AM

On the **User** page, create a **New User**, using the right mouse button. (Edit User is shown)

**Edit User**

General | Messaging | Message Waiting Light | Identities | Phones | Authentications | Security | Features

User information

Last name: 204 First name: IPOffice

Display name: IPOffice 204

Include in dial by name directory

Time zone: < Same time zone as server system >

Class of service: System Voice Mail

Voice: < System default voice >

Call

Select the answering mode for this user:

Personal Assistant  Personal Business Assistant

Select the operator for this user:

System  Personal operator:

OK Cancel Help

## 6.4. Administer Identities

Navigate to **Start** → **All Programs** → **ADTRAN** → **NetVanta UC Server** → **NetVanta UC Client**. Click **Identities** from the left pane.

The screenshot shows the NetVanta UC Client interface. The left navigation pane is expanded to 'Identities'. The main area displays a table of identities with the following data:

Display Name	Identity	Priority	Answering Enabled	Service	Communication System
trunk	600	100	Yes	Default Trunk Service	Avaya IP Office
IPOfficeFax	10600	100	Yes	Fax RX IP Office	Avaya IP Office
IP Office AA	10700	100	Yes	Default Trunk Service	Avaya IP Office
Main AA	10000	100	Yes	Default Trunk Service	AvayaCM
Fax Rx	10500	100	Yes	Tax Rx	AvayaCM

The right pane shows the configuration for the selected 'IP Office AA' identity:

- Display name:** IP Office AA
- Identity:** 10700
- Priority:** 100
- Active service:** Default Trunk Service
- Communication System:** Avaya IP Office
- Associated user:** Admin
- Answering enabled:** Yes
- Dialed number:** 10700

To create a new **Attendant service** Identity; on the Select Identity Type page, right click the mouse button and select New Identity.

Enter the following information:

- **Select a communication system** – Select **Avaya IP Office** using the drop-down list.
- **Select a user profile** – Select **Admin** using the drop-down list.
- Select the **Attendant service** dial button.

Click the **Next** button.

**Select Identity Type**

Determine the class of identity and a user that will manage its call answering behavior.

Select a communication system: Avaya IP Office

Select a user profile: Admin

Select the class of identity:

**User**  
Creates a new identity typically associated with ucCompanion, a soft-phone or a hard-phone

**Attendant service**  
Creates a new identity that handles calls as an automated attendant or service (e.g. IVR, pre-screening, etc.)

< Back   Next >   Cancel   Help

To create a new **User** Identity; on the Select Identity Type page, right click the mouse button and select New Identity.

Enter the following information:

- **Select a communication system** – Select **Avaya IP Office** using the drop-down list.
- **Select a user profile** – Select **IPOffice 204** using the drop-down list. (Created in **Section 6.3**)
- Select the **User** dial button.

Click the **Next** button.

**Select Identity Type**

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Determine the class of identity and a user that will manage its call answering behavior.

Select a communication system: Avaya IP Office

Select a user profile: IPOffice 204

Select the class of identity:

**User**  
Creates a new identity typically associated with ucCompanion, a soft-phone or a hard-phone

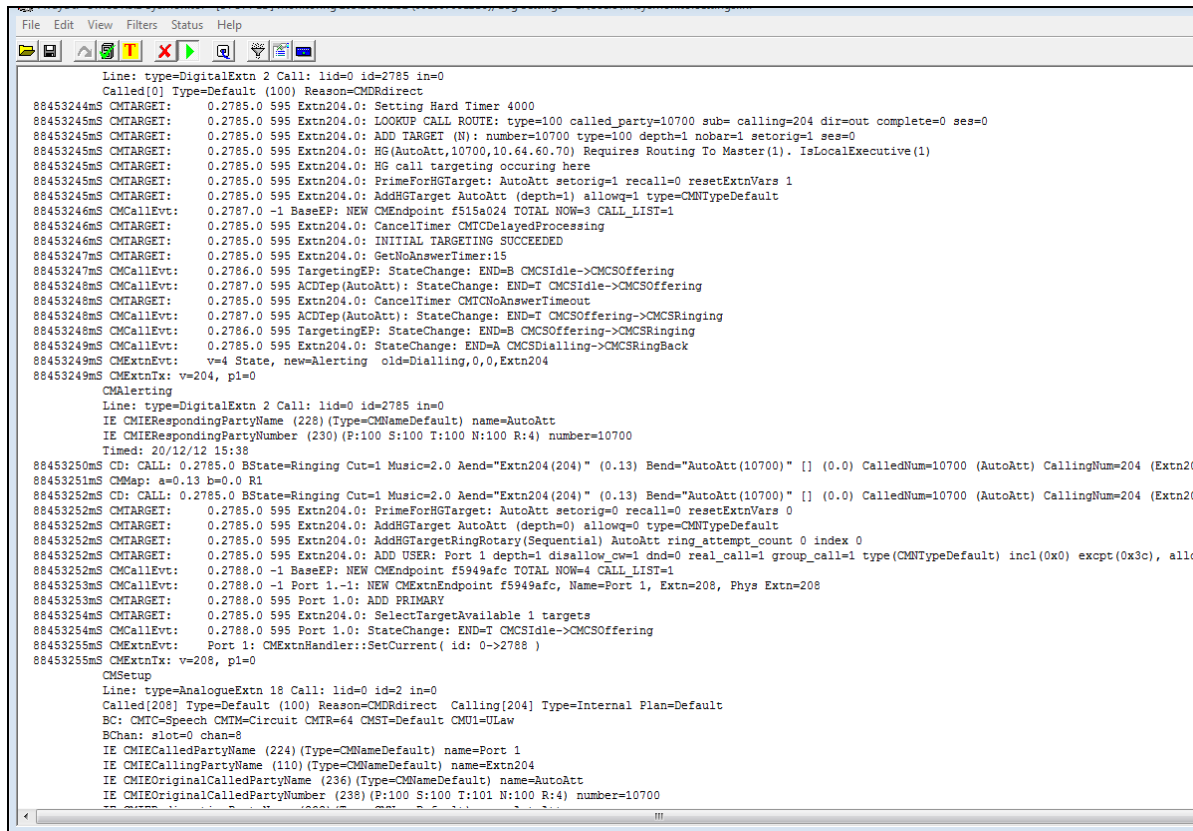
**Attendant service**  
Creates a new identity that handles calls as an automated attendant or service (e.g. IVR, pre-screening, etc.)

< Back   Next >   Cancel   Help

## 7. Verify IP Office

From a PC running the Avaya IP Office Monitor application, select **Start** → **Programs** → **IP Office** → **Monitor** to launch the application. Place a call to/from the NetVanta UC Server and verify proper calling routing and treatment.

The Avaya IP Office SysMonitor screen is displayed, as shown below.



```
File Edit View Filters Status Help
Line: type=DigitalExtn 2 Call: lid=0 id=2785 in=0
Called[0] Type=Default (100) Reason=CMDRedirect
88453244mS CMTARGET: 0.2785.0 595 Extn204.0: Setting Hard Timer 4000
88453245mS CMTARGET: 0.2785.0 595 Extn204.0: LOOKUP CALL ROUTE: type=100 called_party=10700 sub= calling=204 dir=out complete=0 ses=0
88453245mS CMTARGET: 0.2785.0 595 Extn204.0: ADD TARGET (N): number=10700 type=100 depth=1 nobar=1 setorig=1 ses=0
88453245mS CMTARGET: 0.2785.0 595 Extn204.0: HG(AutoAtt,10700,10.64.60.70) Requires Routing To Master(1). IsLocalExecutive(1)
88453245mS CMTARGET: 0.2785.0 595 Extn204.0: HG call targeting occurring here
88453245mS CMTARGET: 0.2785.0 595 Extn204.0: PrimeForHGTarget: AutoAtt setorig=1 recall=0 resetExtnVars 1
88453245mS CMTARGET: 0.2785.0 595 Extn204.0: AddHGTarget AutoAtt (depth=1) allowq=1 type=CMNTypeDefault
88453246mS CMCallEvt: 0.2787.0 -1 BaseEP: NEW CMEndpoint f515a024 TOTAL NOW=3 CALL_LIST=1
88453246mS CMTARGET: 0.2785.0 595 Extn204.0: CancelTimer CMCDelayedProcessing
88453246mS CMTARGET: 0.2785.0 595 Extn204.0: INITIAL TARGETING SUCCEEDED
88453247mS CMTARGET: 0.2785.0 595 Extn204.0: GetNoAnswerTimer:15
88453247mS CMCallEvt: 0.2786.0 595 TargetingEP: StateChange: END=B CMCSIdle->CMCSOffering
88453248mS CMCallEvt: 0.2787.0 595 ACDTep(AutoAtt): StateChange: END=T CMCSIdle->CMCSOffering
88453248mS CMTARGET: 0.2785.0 595 Extn204.0: CancelTimer CMTCNoAnswerTimeout
88453248mS CMCallEvt: 0.2787.0 595 ACDTep(AutoAtt): StateChange: END=T CMCSOffering->CMCSRinging
88453248mS CMCallEvt: 0.2786.0 595 TargetingEP: StateChange: END=B CMCSOffering->CMCSRinging
88453249mS CMCallEvt: 0.2785.0 595 Extn204.0: StateChange: END=A CMCSdialling->CMCSRingBack
88453249mS CMExtnEvt: v=4 State, new=Alerting old=Dialling,0,0,Extn204
88453249mS CMExtnTx: v=204, pl=0
CMAlerting
Line: type=DigitalExtn 2 Call: lid=0 id=2785 in=0
IE CMIERespondingPartyName (228) (Type=CMNameDefault) name=AutoAtt
IE CMIERespondingPartyNumber (230) (P:100 S:100 T:100 N:100 R:4) number=10700
Time: 20/12/12 15:38
88453250mS CD: CALL: 0.2785.0 BState=Ringing Cut=1 Music=2.0 Aend="Extn204(204)" (0.13) Bend="AutoAtt(10700)" [] (0.0) CalledNum=10700 (AutoAtt) CallingNum=204 (Extn20
88453251mS CMMap: a=0.13 b=0.0 R1
88453252mS CD: CALL: 0.2785.0 BState=Ringing Cut=1 Music=2.0 Aend="Extn204(204)" (0.13) Bend="AutoAtt(10700)" [] (0.0) CalledNum=10700 (AutoAtt) CallingNum=204 (Extn20
88453252mS CMTARGET: 0.2785.0 595 Extn204.0: PrimeForHGTarget: AutoAtt setorig=0 recall=0 resetExtnVars 0
88453252mS CMTARGET: 0.2785.0 595 Extn204.0: AddHGTarget AutoAtt (depth=0) allowq=0 type=CMNTypeDefault
88453252mS CMTARGET: 0.2785.0 595 Extn204.0: AddHGTargetRingRotary(Sequential) AutoAtt ring_attempt_count 0 index 0
88453252mS CMTARGET: 0.2785.0 595 Extn204.0: ADD USER: Port 1 depth=1 disallow_cw=0 dnd=0 real_call=1 group_call=1 type(CMNTypeDefault) incl(0x0) except(0x3c), all
88453252mS CMCallEvt: 0.2788.0 -1 BaseEP: NEW CMEndpoint f5949afc TOTAL NOW=4 CALL_LIST=1
88453253mS CMCallEvt: 0.2788.0 -1 Port 1.-1: NEW CMExtnEndpoint f5949afc, Name=Port 1, Extn=208, Phys Extn=208
88453253mS CMTARGET: 0.2788.0 595 Port 1.0: ADD PRIMARY
88453254mS CMTARGET: 0.2785.0 595 Extn204.0: SelectTargetAvailable 1 targets
88453254mS CMCallEvt: 0.2788.0 595 Port 1.0: StateChange: END=T CMCSIdle->CMCSOffering
88453255mS CMExtnEvt: Port 1: CMExtnHandler::SetCurrent (id: 0->2788 )
88453255mS CMExtnTx: v=208, pl=0
CMSSetup
Line: type=AnalogueExtn 18 Call: lid=0 id=2 in=0
Called[208] Type=Default (100) Reason=CMDRedirect Calling[204] Type=Internal Plan=Default
BC: CMIC-Speech CMTM=Circuit CMTR=64 CMST=Default CMU1=ULaw
BChan: slot=0 chan=8
IE CMIECalledPartyName (224) (Type=CMNameDefault) name=Port 1
IE CMIECallingPartyName (110) (Type=CMNameDefault) name=Extn204
IE CMIEOriginalCalledPartyName (236) (Type=CMNameDefault) name=AutoAtt
IE CMIEOriginalCalledPartyNumber (238) (P:100 S:100 T:101 N:100 R:4) number=10700
```

## 8. Conclusion

These Application Notes describe the procedures required to configure the ADTRAN UC Server to interoperate with Avaya IP Office. ADTRAN NetVanta UC Server successfully passed compliance testing.

## 9. Additional References

The following Avaya product documentation can be found at <http://support.avaya.com>

[1] *IP Office R8.1 FPI Manager 10.1*, November 02, 2012, , Document Number 15-601011, Issue 29r

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