NetVanta 7100 Exercise Basic Installation and Call Handling



This exercise begins with the "Out of the Box" configuration of the NetVanta 7100. You will create two SIP users, a door phone user account, modify the current voice configuration, and then place calls following a typical call flow where inbound calls go to the auto attendant. In the second call flow example, you will create a ring group and then have inbound calls ring all phones that are members of that ring group.

CONNECTIONS

- An ADTRAN IP 712 is connected to your NetVanta 7100 eth 0/1
- A Polycom SoundPoint IP601 is connected to NetVanta 7100 eth 0/2
- Analog trunk #1 is connected to NetVanta 7100 FXO 0/1
- Analog trunk #2 is connected to NetVanta 7100 FXO 0/2.
- □ IP/SIP trunk is connected to eth 0/0

* Only Analog trunk #1 will be used in this lab

NETVANTA IP TELEPHONY COURSE AUTO ATTENDANT

This lab includes **OPTIONAL** trunk calls into **YOUR** configured student NetVanta 7000 lab equipment. When you see the **D** symbol, this represents a call made from **YOUR OWN PHONE** (cell phone, business phone, etc...) into the **NetVanta IP Telephony Course Auto Attendant**.

Based on the lab exercise, you will be asked to select one of four call choices from within the NetVanta IP Telephony Course Student Auto Attendant:

- 1 for inbound call to your **first analog trunk**
- 2 for inbound call to your second analog trunk
- 3 for inbound call to user 2003 on your configured T1/PRI
- 4 for inbound call on your configured **SIP trunk**



ACCESSING LAB NETVANTA 7100 - COMMAND LINE INTERFACE (CLI)

Log in to <u>www.adtran.com</u> and then navigate to your student web page (<u>www.adtran.com/training/vilt_ipt</u>).

This link is on your CD and in your course information

From the student web page, navigate down to the Virtual Labs section



Select **CLI** as shown above for Command Line Interface



* The Password will be provided by your instructor

ACCESSING LAB NETVANTA 7100 - GRAPHICAL USER INTERFACE (GUI)

Log in to <u>www.adtran.com</u> and then navigate to your student web page (<u>www.adtran.com/training/vilt_ipt</u>).

This link is on your CD and in your course information

From the student web page, navigate down to the Virtual Labs section



Select **GUI** as shown above for the Graphical User Interface and login to the NetVanta 7100 management interface.

Connect to ipt	1.adtran.com)
	G ST	
The server ipt1 username and pa Warning: This se password be server without a server	adtran.com at NetVanta 7100 requires a assword. erver is requesting that your username and at in an insecure manner (basic authentication connection).	
<u>U</u> ser name:	f admin 💌	1) Type in the username/
Password:	iptxxxx	password for your unit
	Remember my password	
	OKCancel	2) Click OK to login

* The Password will be provided by your instructor

DEFAULT YOUR LAB NETVANTA 7100

Before you begin this lab, prepare your student NetVanta 7100.

- Access the CLI of your NetVanta 7100
- Enter into Enable Mode by typing 'enable' and then using your AOS password
- □ Enter the following commands to return this unit to "LAB DEFAULTS"

NV7100# erase cflash Polycom/*0004*

NV7100# erase cflash ADTRAN/*00a0*

NV7100# copy flash ipt-config startup-config

NV7100# erase dynvoice-config

NV7100# reload

Enter <**n**> for 'no' when asked if wanting to save system configuration

Enter <y> for 'yes' when asked if wanting to reboot system

ACCESS YOUR LAB NETVANTA 7100

GUI Management Interface

- Access and login to the GUI interface of your Netvanta 7100

Connect to ipt	1.adtran.com 🛛 🛛 🛛
The server ipt1.a username and pa Warning: This ser password be sent without a secure	dtran.com at NetVanta 7100 requires a ssword. rver is requesting that your username and tin an insecure manner (basic authentication connection).
User name:	2
Password:	
	Remember my password
	OK Cancel

If needed, see ACCESSING LAB UNIT (GUI) for instructions

CLI Connection

- Re-establish the CLI connection and log back in to the Enable Mode
- If needed, see ACCESSING LAB UNIT (CLI) for instructions

OBTAIN MAC ADDRESS OF IP PHONES

□ Navigate to the **Data / Switch / MAC Forwarding** screen.

From this screen, you can see the MAC addresses of connected devices and the physical ports that they are connected to.

■ Data	Add Static	MAC Forwarding Entry			
Switch Ports	Use this form	to create static MAC Address Fo	orwarding entries.		
Power Over Ethernet Port Authentication	VLA	N: vlan 1 (Default) 💌			
Port Security Storm Control	MAC Addres	s: : : : : : : : : :	: Medi addr	a Access Control ress for this interface	
Link Aggregation VLANs	Po	rt: eth 0/1 💌			
Spanning Tree MAC Forwarding		Reset	Add		
Class of Service					
Stacking	MAC Forwa	rding Entries			
	The following entry, that is Please go to t secure MAC a	table lists all MAC Address Forw not internal, can be deleted by o he <u>'Port Security'</u> page and click ddress	arding entries for the licking on the entry's on the 'Secure MAC	Switch. A static delete button. List' tab to delete a	ADTRAN Phone – Eth 0/1
	Secure MAC 6	uuress.			
	10 🗸 rows	per page		Page 1 of 1	
	ID VLAN	MAC Address	MAC Type	Port	
	1 Default	00:A0:C8:1C:9D:B6	Static	Internal 🖌	
	1 Default	00:A0:C8:25:54:90	Dynamic	eth 0/1	
	2 VoIP	00:04:F2:10:DF:2C	Dynamic	eth 0/2	
	2 VoIP	00:A0:C8:1C:9D:B6	Static	Internal	
	10 🗸 rows	per page		Page 1 of 1	
					Polycom Phone – Eth $0/2$

 \Box Note the MAC addresses associated with Ethernet ports 0/1 and 0/2. *

Write MAC addresses below for use during voice user creation:

ADTRAN IP 712	eth 0/1	00:A0:C8:::
Polycom SoundPoint IP 601	eth 0/2	00:04:F2:::

- * If you do not see eth 0/1 and eth 0/2 in the MAC Forwarding table, complete the following:
 - 1. Navigate to the Data / Switch / Power over Ethernet screen.
 - 2. Cycle the power of Eth 0/1 and Eth 0/2 from AUTO to OFF.
 - 3. Cycle the power of Eth 0/1 and Eth 0/2 from **OFF** to **AUTO**.
 - 4. Return to the **Data / Switch / MAC Forwarding** screen as shown above and obtain MAC addresses after phones have booted.

CREATE SIP VOICE USERS 2003 and 2004

1. Select Voice / Stations / User Accounts from the NetVanta 7100 menus.

■System	cryam	.u / 11				Save	e Logou	t
■ Voice	Add / Modi	fy / Delete U	lsers					
User Accounts	Use this page	to add and co	nfigure user	rs.				
IP Phone Configs Ring Groups	Add New Use	r						
Operator Group Trunks Trunk Accounts Trunk Groups	User Da	ta Source: (Create ne Create by 2000 - D	w v copying from a efault IP Phone	another user:	0	SIP U Exten	<u>Jser 1</u> ision: 2003
Shared Line Accounts Applications		Extension: x	2003			0	First	Name: Your
Voicemail Settings Auto Attendants	F	irst Name: T	had			40 charac max	Phone	Name: Choice e Type: SIP
Dial-By-Name Dirs	L	ast Name: T	ran			40 charac max	Phone	e Model: ADTRAN IP 71
System Setup	Pł	one Type:	SIP	~		0		
System Modes Dial Plan ISDN Num Templates Codec Lists System Speed Dial	Phone MAG	((C Address: [0 (O <not p="" set<=""> New Addi 00 : a0 :</not>	> ress:	55 : 50	0		- Select New Address and then enter Phone
Phone config files can only be created		one Model: 4	00:04:F2:03	3:C2:6A 🔽	~	0		MAC Address of your ADTRAN phone
nor recognized		App	aly Apply	and Add Anoth	er User			
Email Alerts	Madif. (Dala							
Reports Extensions List	Click on a use	r's last name i	to edit their	configuration.				
RTP Channel Stats	Last Name	First Name	Extension	Port	Station Cos			
RTP Session Stats	IP Phone	Default	2000	SIP 9	public_phor	Delet	te	
Trunk Statistics	Port 0/1	Analog FXS	2001	fxs 0/1	normal_use	ers Delet	te	
SPRE Command List	Port U/2	Analog FXS	2002	rxs u/2	normai_use	rs Delet		
Data Monitoring								

- 2. Enter SIP User #1's extension, name, and Phone Type.
- **3.** Select the **New Address** option and then enter the MAC address of the ADTRAN IP 712 phone.
- 4. Change the Phone Model to ADTRAN IP 712
- 5. Click Apply and Add Another User.

Clicking "Apply and Add Another User" creates the configured voice user but leaves you on the Voice / Stations / User Accounts screen instead of the New Voice User Edit screen.

6. From the Voice / Stations / User Accounts screen, complete the steps below:

Add / Modify / Delet	e Users					
Use this page to add and	configure users	s.				
Add New User					ι.	
User Data Source:	Create new Create by 2000 - De	w copying from a efault IP Phone	nother user:	0	,	SIP User 2 Extension: 2004
Extension:	x 2004			0	/	First Name: Your
First Name:	Polly			40 characters max	1	Last Name: Choice Phone Type: SIP
Last Name:	Com			40 characters max		Phone Model: SoundPoint IP 6xx
Phone Type:	SIP	~		0	1.1	
Phone MAC Address:	 <not set=""></not> New Address 00 : 04 : Known Ad 00:04:F2:03 	<pre> ess: f2 : 03 : c dress: :C2:6A </pre>	4 -	0		Select New Address and then enter Phone MAC Address of your Polycom phone
Phone Model:	ADTRAN/Poly	com SoundPoir	t IP 6xx 💌	0		Jun I
(Apply Apply	and Add Anothe	er User			
Modify/Delete User Click on a user's last nar	ne to edit their	configuration.				
Last Name First Nam	<u>Extension</u>	Port	Station CoS			
IP Phone Default	2000	<u>SIP</u> 🕜	public_phon	nes Delete		
Port 0/1 Analog FX	S 2001	fxs 0/1	normal_use	ers Delete		
Port 0/2 Analog FX	S 2002	fxs 0/2	normal_use	ers Delete		
Tran Thad	2003	sip 🕅	normal_use	rs Delete		

- 7. Enter SIP User #2's extension, name, and Phone Type.
- 8. Select the New Address option and then enter the MAC address of the ADTRAN/Polycom SoundPoint IP 601.
- **9.** Change the Phone Model to ADTRAN/Polycom SoundPoint **IP 6xx** and then click Apply.
- Q: What information must be entered to create a new SIP user for a known phone model?
- Q: Where are phone configuration files created by the NetVanta 7100 stored?

CYCLE POWER OF PoE PORTS

The ADTRAN and Polycom SIP based phones load configuration files at boot. If the voice user was created after the phone had already been plugged in, removing power to the port that the phone is connected to is one way to force the IP phone to reboot.

■ Data	Power Over E	thernet						
Switch Ports	Refresh in 1 secon Refresh OFF	ds	<	Select	>			
Power Over Ethernet	Change the settin	ng of one or mor		ito				
Storm Control	Select All	Deselect All		f		Reset	Apply	
VLANs	Port	Enable	Delivered (Watts)	Voltage (Volts)	Current (mAmps)	Status	IEEE Class	
MAC Forwarding	Template 🕜	<select> 🗸</select>	<u>!</u>					. ,
Stacking	eth 0/1 🕑	Auto 💌	4.6	47.7	84	Delivering	2	Click Apply after
	eth 0/2 🔽	Auto 💌	3.577	47.7	75	Delivering	0	making change
	eth 0/3	Auto 🖌	0.0	0.0	0	Detecting	0	
	eth 0/4	Auto 💙	0.0	0.0	0	Detecting	0	
	eth 0/5	Auto 😽	0.0	0.0	0	Detecting	0	

10. Navigate to the Data / Switch / Power over Ethernet screen.

- 11. Cycle the power of Eth 0/1 and Eth 0/2 from AUTO to OFF.
- **12.** Cycle the power of Eth 0/1 and Eth 0/2 from **OFF** to **AUTO**.

CHECK REGISTRATION STATUS OF SIP USERS

After phones have had enough time to boot (allow about 2 ¹/₂ minutes), one location where the status of SIP phones can be displayed is on the following screen:

13. Navigate to the Voice / Stations / User Accounts screen.

Voice Stations User Accounts	Modify/Del Click on a us	e te User er's last name	to edit their c	onfiguration.		
TP Phone Configs Ring Groups Operator Group	Last Name	First Name Polly	Extension 2004	Port SIP (eth 0/2)	Station CoS normal_users	Delete
runks	IP Phone	Default	2000	<u>SIP</u> 💞	public_phones	Delete
runk Accounts	Port 0/1	Analog FXS	2001	fxs 0/1	normal_users	
Frunk Groups	Port 0/2	Analog FXS	2002	fxs 0/2	normal_users	Delete
Shared Line Accounts	Tran	Thad	2003	SIP (eth 0/1)	normal_users	Delete

If SIP user has registered with the NetVanta 7100, a line displays below the word <u>SIP</u>.

If SIP user has **not registered** with the NetVanta 7100, a line displays though the word SIP.

The MAC address entered for this phone can also be seen by hovering cursor of ? bubble.

ACCESS VOICEMAIL

Newly created voice users are given access to Voicemail by default. When a voice user accesses voicemail for the first time, the Voicemail Setup Wizard runs. The user will be prompted to record a name, greeting, and to change their voicemail password.

In the following steps, you will set up voicemail for user 2003. Next you will call and leave a message for 2003. Finally, you will listen and delete the message.

The *integral* symbol represents a call made from **your own phone** into the **NetVanta IP Telephony Course Auto Attendant**.

14. Set up Voicemail for voice user 2003.

- 1. Dial **a** 1-256-665-9214
- 2. Enter Pass Code for Student Auto Attendant (your 4 digit passcode)
- 3. Press 1 to place call into your first Analog Trunk

Call is initiated inbound on the first Analog trunk to the Auto Attendant (8200)

- 4. Enter 8500, for Voicemail, when asked to enter extension Mailbox? Enter 2003 followed by # Password? Enter 1234 followed by #
- 5. Follow the prompts to record your name, greeting, and a new voicemail password of "**1111**". Hang up when complete.

15. Call your IPT lab site and leave message for voice user 2003.

- 1. Dial **D** 1-256-665-9214
- 2. Enter Pass Code for Student Auto Attendant (your 4 digit passcode)
- 3. Press 1 to place call into your first Analog Trunk

Call is initiated inbound on the first Analog trunk to the Auto Attendant (8200)

4. Enter 2003 when asked for extension.

Call is sent to voice user 2003. Call coverage is configured to "Go to Voicemail" after 4 rings.

5. Leave message and then hang up when complete.

16. Call your IPT lab site and check Voicemail for user 2003.

- 1. Dial **D** 1-256-665-9214
- 2. Enter Pass Code for Student Auto Attendant (your 4 digit passcode)
- 3. Press 1 to place call into your first Analog Trunk

Call is initiated inbound on the first Analog trunk to the Auto Attendant (8200)

- 4. Enter 8500, for Voicemail, when asked to enter extension Mailbox? Enter 2003 followed by # Password? Enter 1111 followed by #
- 5. Follow the prompts to listen to message. Delete message after listening.

Voicemail Menus

Time permitting; navigate through Voicemail to familiarize yourself with the different Voicemail options.



Q: How many voicemail ports are available with the NetVanta 7000 Series?



In the following steps, you will create a ring group and a door phone user account. You will then link the two so that when a user presses a button on the door phone, it will dial the users added to the ring group. The **door phone** has been connected to port **FXS 2/1**.

17. Select Voice / Stations / Ring Groups from the NetVanta 7100 menus.

18. Create ring group 8001 with the settings shown below:

■ Voice	Edit Ring Group "Hunt"		
Stations User Accounts	Use this page to configure the member		
IP Phone Configs	Basic Ring Group Information		
Operator Groups	Extension: x8001	4 digits, mus be unique 😧	it .
Trunk Accounts Trunk Groups	Description: Hunt	Optional description f this ring grou	or up
Shared Line Accounts	Primary Email:	Used for sys	tem
		Member List Call Coverage VM S	Settings VoIP Settings
	DID Number There are no	cd Action ②	# of Rings 🕐
	Add DID Numbers:	Ring this ring group's extension (x8001)	2
		Then Ring Operator 🗸	2 times Delete
	Alias	Then Busy Signal 💌	
	Aliases:		
	Add Alias		
	Max Inbound Calls: 1		i
	Ring Group Type: Linear Hunt Group	···· · · · · · · · · · · · · · · · · ·	
	Caller ID Prefix: 🔽	· · · · · · · · · · · · · · · · · · ·	
	Member List Call Coverage VM	Settings VoIP Settings	
	Add Members		
	Move Last Name First Name	Ext In	
	Com Polly	2004 ✓ Log Out Delete	
	▲ Tran Thad	2003 ✓ Log Out Delete	
	Can	cel Apply	

New	Ring	Group	Settings
-----	------	-------	----------

Ring Group Ext:	8001
Description:	Hunt
Ring Group Type:	Linear Hunt Group
Members:	2003 & 2004
Call Coverage:	Ring 2 times, and then go to Operator

19. Using the settings shown below, create a **new** Analog Station User Account with an extension of **2800** for use with the door phone.



Door Phone User Account

1

1

Extension:	2800
First Name:	Door
Last Name:	Phone
Phone Type:	Analog Station
Phone Port:	Analog FXS 2/1
Class of Service:	door phone
Hotline Phone:	Enabled – Dial 8001 (ring group #)
Current Settings tab:	Disable all settings except Hotline

Modify the Operator Group

For this lab, Ext 2003 will be assigned to retrieve calls when a caller dials "0".

	ict vanta /	100		Save Log
• System	Configure Operator Grou	ID.		
Stations	Configure Operato	r Group		
User Accounts	Use this page to confi	gure the members and settir	ngs for the operat	or group
Ring Groups	Operator Group Info	ormation		
Operator Group Trunks Trunk Accounts Trunk Groups Shared Line Accounts	DID Numbers:	D Number Valid? There are no configured Add DID Number	DID numbers.	0
Applications Voicemail Settings Auto Attendants Audio Prompts Dial-By-Name Dirs	Aliases:	ias There are no aliases for Add Alias	this account.	0
Status Groups	Primary Email:			Used for system correspondence
Classes of Service System Modes	Max Inbound Calls: 1			0
Dial Plan ISDN Num Templates	Group Type: Al	Ring 💌		0
Codec Lists	Caller ID Prefix: 🔽			0
System Speed Dial Call Coverage Lists	Originator ID:			0
System Parameters	Member List Ca	I Coverage VM Settings	VoIP Settings	
SIP Server Settings SIP Proxy Settings	Add Members			
SIP Client Locations VoIP Settings	Move Last Name	First Name Ext Lo	gged In	
Email Alerts	Tran	Thad <u>2003</u>	 L 	og Out Delete
Extensions List SIP Registration List		Cancel App	ly	
RTP Channel Stats RTP Session Stats Trunk Statistics Voicemail Status SPRE Command List				
■ Data ■ Monitoring				
Utilities				

- **20.** Delete Ext 2001 & Ext 2002 from the Operator Group. This is part of the "Default" configuration.
- **21.** Add Ext 2003 as the only member in the Operator Group.
- **22.** Save your configuration.
 - Q: How does a voice user log out of a ring group or operator group?

AUTO ATTENDANT CALL HANDLING

Inbound calls go to the Auto Attendant and then the calling party enters the extension of the inside user. In the following steps, you will enable "debug voice summary" and view the output while placing the calls.

You may want to read through the following steps before placing calls.

23. From the "Enable Mode" of the Command Line Interface, enter the debug voice summary command. View output while placing call below.

IPT# debug voice summary

The *B* symbol represents a call made from your own phone into the NetVanta IP Telephony Course Auto Attendant.

24. Call your IPT lab site and enter **2004** when asked for extension.

- 1. Dial **1**-256-665-9214
- 2. Enter Pass Code for Student Auto Attendant (your 4 digit passcode)
- 3. Press 1 to place call into your first Analog Trunk

Call is initiated inbound on the first Analog trunk to the Auto Attendant (8200)

4. Enter **2004** when asked for extension.

Call is sent to voice user 2004. Call coverage is configured to "Go to Voicemail" after 4 rings.

5. Press '**0**' for operator as soon as call enters Voicemail. "DO NOT" leave message.

Call is sent to the Operator Group. Since user 2003 is the only member of this group, call goes to user 2003.

The Operator Group Call coverage is configured to "Go to Auto Attendant" after 4 rings.

6. Hang-up phone after watching debug output of the call flow above.

Debug Voice Summary Sample Output

The output shown below is from the steps just completed.

- 1. Inbound call to Auto Attendant (8200)
- 2. User enter 2004
- 3. Call Coverage for user 2004 goes to Voicemail
- 4. "0" for the Operator is pressed while in Voicemail
- 5. Call Coverage for the Operator Group goes to the Auto Attendant

👒 tlab2.adtran.com - HyperTerminal
File Edit View Call Iransfer Help
Password: IPT1#debug voice summary IPT1# 17:01:15:662 UOICE.SI 1 ARY T01 is calling AutoAttendantAcct (8200). 17:01:15:664 UOICE.SUmmARY RTP for Call from 2569631000 to 8200: Codec G729 17:01:15:665 UOICE.SI 2 RY T01 is connected to AutoAttendantAcct (8200) 17:01:20:982 UOICE.SI 2 RY T01 is calling 2004 (2004). 17:01:21:206 UOICE.SUmmARY Call from T01 to AutoAttendantAcct (8200) ended by Au toAttendantAcct: normal clearing 17:01:44:998 UOICE.SI 3 RY T01 is calling voicemail (8500). 17:01:45:003 UOICE.SI 3 RY T01 is calling voicemail (8500). 17:01:45:004 UOICE.SI 3 RY T01 is connected to 8500 (8500) 17:01:45:004 UOICE.SI 3 RY T01 is calling 0 (0). 17:01:52:541 UOICE.SI 4 RY T01 is calling 0 (0). 17:01:52:541 UOICE.SI 4 RY T01 is calling 0 (0). 17:01:52:788 UOICE.SUMMARY Call from T01 to 2003 (2003). 17:02:16:558 UOICE.SUMMARY Call from 0 to 2003 (2003) ended by 8500: normal cl earing 17:02:16:558 UOICE.SI MARY Call from 0 to 2003 (2003) ended by 2003: forwarded 17:02:16:558 UOICE.SI MARY Call from 0 to 2003 (2003) ended by 2003: forwarded 17:02:16:568 UOICE.SI MARY Call from 0 to 2003 (2003) ended by 2003: forwarded 17:02:16:568 UOICE.SI MARY Call from 0 to 2003 (2003) ended by 2003: forwarded 17:02:16:568 UOICE.SI MARY Call from 0 to 2003 (2003) ended by 2003: forwarded 17:02:16:568 UOICE.SI MARY RTP for Call from 2569631000 to 8200: Codec G729 17:02:16:566 UOICE.SUMMARY RTP for Call from 2569631000 to 8200: Codec G729 17:02:16:571 UOICE.SUMMARY RTP for Call from 2569631000 to 8200: Codec G729 17:02:16:571 UOICE.SUMMARY RTP for Call from 2569631000 to 8200: Codec G729
Connected 0:12:20 VT100J TCP/IP SCROLL CAPS NUM Capture Print echo

25. Turn off debug.

IPT# undebug all

- Q: What is the default Auto Attendant extension?
- Q: With a factory default NetVanta 7000, what happens with an inbound call on an Analog trunk?

RING GROUP CALL HANDLING

In this scenario, the customer would like incoming calls to ring several phones and then go to the auto attendant if no one picks up.

26. From the Voice / Stations / Ring Groups menu, create the second ring group 8002 with the settings shown below:

■ Voice	Edit Ring Group "ALL"		
Stations User Accounts	Use this page to configure the members and s	ettings for this ring group	
IP Phone Configs	Basic Ring Group Information		
Trunks Trunk Accounts Trunk Accounts Shared Line Accounts	Extension: x8002	4 digits, must be unique 🕜	
	Description: ALL	Optional description for this ring group	
	Primary Email:	Used for system	,
	N	1ember List Call Coverage VM Settings	VoIP Settings
	DID Number There are no cor	Action ⑦	# of Rings ⑦
	DID Numbers:	ng this ring group's extension (x8002)	2
	Add DID Number Th	en Go to Auto Attendant 💟 DefaultAA	V Delete
	Alias There are no ali	en Busy Signal 💌	
	Allases:		
	Max Inbound Calls: 1	<u> </u>	!
	Ring Group Type: All Ring		
	Caller ID Prefix: 🔽	0	
	Member List Call Coverage VM Settin	gs VoIP Settings	
	Add Members		
	Move Last Name First Name Ext	Logged In	
	Com Polly 2004	✓ Log Out Delete	
	Tran Thad 2003	✓ Log Out Delete	
	Cancel	Apply	

New Ring Group Settings

Ring Group Ext:	8002
Description:	ALL
Ring Group Type:	All Ring
Members:	2003 & 2004
Call Coverage:	Ring 2 times, and then go
-	to Auto-Attendant

- 27. Select Voice / Trunks / Trunk Accounts from the NetVanta 7100 menu.
- **28.** Edit Trunk Account **T01**. Change the 'Trunk Number' option to the new Ring Group extension **8002**. (*Inbound calls will now go to Ring Group 8002*)



Q: What is the purpose of the Trunk Number option found on this screen?

29. From the "Enable Mode" of the Command Line Interface, enter the debug voice summary command. View output while placing call below.

IPT# debug voice summary

The *B* symbol represents a call made from your own phone into the NetVanta IP Telephony Course Auto Attendant.

30. Call your IPT lab site and confirm proper routing on inbound calls.

- 1. Dial **1**-256-665-9214
- 2. Enter Pass Code for Student Auto Attendant (your 4 digit passcode)
- 3. Press 1 to place call into your first Analog Trunk

Call is initiated inbound on the first Analog trunk.

4. Hang-up phone after watching debug output.

Debug Voice Summary Sample Output

💐 tlab2.adtran.com - HyperTerminal 📃 🗖 🔀	
File Edit View Call Transfer Help	
User Access Login Password: IPT1>enable Password: IPT1#debug voice summary IPT1# 17:59:24:441 UOICE.SUMMARY TØ1 is calling 2004 (2004). 17:59:24:441 UOICE.SUMMARY 8002 is calling 2003 (2003). 17:59:36:452 UOICE.SUMMARY Call from 8002 to 2004 (2004) ended by 2004: forwarded d. 17:59:36:456 UOICE.SUMMARY Call from 8002 to 2003 (2003) ended by 2003: forwarded 17:59:36:456 UOICE.SUMMARY Call from T01 to 8002 (8002) ended by 8002: forwarded 17:59:36:464 UOICE.SUMMARY T01 is calling AutoAttendantAcct (8200). 17:59:36:760 UOICE.SUMMARY T01 is connected to AutoAttendantAcct (8200) 17:59:36:773 UOICE.SUMMARY RIP for Call from 2569631000 to 8200: Codec G729 17:59:36:70 UOICE.SUMMARY RIP for Call from 2569631000 to 8200: Codec G729 17:59:35:570 UOICE.SUMMARY RIP for Call from 2569631000 to 8200: Codec G729 17:59:35:570 UOICE.SUMMARY Call from T01 to AutoAttendantAcct (8200) 17:59:35:570 UOICE.SUMMARY RIP for Call from 2569631000 to 8200: Codec G729 17:59:35:570 UOICE.SUMMARY Call from T01 to AutoAttendantAcct (8200) ended by T0 1: normal clearing_	
Connected 1:09:57 VT100J TCP/IP SCROLL CAPS NUM Capture Print echo	.:

Q: What was the expected call flow in this example?

- Q: What command is used to turn off all debug commands?
- **31.** Turn off all debug commands

Power Failover

The NetVanta 7000 provides survivability and power failover protection which maintains a PSTN link in the event that power is lost. The two integral analog station ports will failover to the two integral analog trunk ports.



Q: If power is lost, does the customer need to dial a '9' when placing calls?

32. Save your configuration.

33. From the enable mode of the **CLI**, type the following to create a backup copy of the running configuration to a file called **lab2** stored in FLASH.

IPT# copy running-config lab2

Optional: Save a copy of the lab configuration to your PC. From the **Utilities** / **System** / **Configuration** menu of the NetVanta 7100, select **Download**. Click the **Include Voice Settings** checkbox to include both startup-config and dynvoice-config in your backup configuration.

LAB COMPLETE!