



# Optimum Business Trunking and the Toshiba<sup>®</sup> IPedge<sup>®</sup> IP–PBX V1.1.3-06 Configuration Guide





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## **1** Overview

The purpose of this configuration guide is to describe the steps needed to configure the Toshiba IPedge IP-PBX for proper operation Optimum Business Sip Trunking.

## 2 SIP Trunk Adaptor Set-up Instructions

These instructions describe the steps needed to configure the LAN side of the Optimum Business SIP Trunk Adaptor.

Step 1:

### Log on to the Optimum Business SIP Trunk Adaptor

1. Connect a PC to port 4 of the Optimum Business SIP Trunk Adaptor, the silver device labeled Edgewater Networks, 4550 series.



- 2. Open a Web browser and go to IP Address http://10.10.200.1. A login box will appear.
- Enter login and password and click 'OK'. Login: pbxinstall Password: s1ptrunk



### Step 2:

#### **Click on the LAN Settings Link**

1. Assign an IP Address to the LAN interface of the SIP Trunk Adaptor. The IP address must be on the same subnet as the IP PBX. This changes the address on port 1 of the Optimum Business SIP Trunk Adaptor.

Note: This will become your local SIP proxy IP address. No other IP addresses will be provided by Cablevision.

2. Optional: Specify a VLAN for your voice traffic. Click the 'Enable Voice VLAN Tagging' check box. The default VLAN ID is 100.

Note: VLAN 200 should not be used. It is dedicated to port 4 for management.



3. Optional: Enable the DHCP server. This will allow the SIP Trunk Adaptor to act as a DHCP server, which will provide IP addresses to the voice network, and create a dedicated voice LAN, as per diagram 2.

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4. Click 'Submit'.



# **Diagram 1** SIP Trunk Adaptor for IP-PBXs

Using a connection from the customer's LAN, the SIP Trunk Adaptor's address can be a statically assigned private IP address. It may not be assigned a Public IP address.

### **Diagram 2** SIP Trunk Adaptor for IP-PBXs Example: Separate Voice and Data Networks Configuration





### Step 3:

### **Click on the SIP Trunk Configuration Link**

- 1. Select your IP PBX make and model from the drop-down menu.
- 2. Specify how the IP PBX will register to the Optimum Business SIP Trunk Adaptor.
- 3. The Cablevision network only supports Inband DTMF. Click on the check box next to "Convert Inband DTMF" if you cannot configure your IP PBX to

ptimum.	SIP Trunk Configu	ration Heli
	Select your PBX:	Asterisk
Configuration Menu Customer <u>LAN Settings</u> <u>SIP Trunk</u> <u>Configuration</u>	<ul> <li>Passive connection u This address must be on t interface PBX Address:</li> </ul>	using the local, private IP address of the PBX he same subnet as the IP Address that is specified for the LAN
Diagnostics     System	Active connection us	ing registration
	User Id:	secret
	Password:	
	Convert Inband DTMF:	
	Submit Reset	
	Status:	
	Trunk Status:	Not Registered
	DID's	
	5164939699 (Pilot number) 5164939768 5164939769 5164939795 5164939795 5164939841	201 101

send out Inband DTMF. The DTMF tone duration generated by the phones and/or PBX may need to be increased from their default setting. Some phones and/or PBX have a default setting between 180ms to 200ms. This setting is too low. The recommended setting is 600ms.

4. Click 'Submit'.

### Step 4:

### **Diagnostics Link**

You can make a test call directly from your phone or use the test call application under the Diagnostics link.

optimum	Network Test Tools	Help				
optimom.	A network administrator may use the test tools on this page to verify connectivity of the System and trace the path of data throughout the					
Configuration Menu • Customer	network. Outbound Call Test:	. 20				
LAN Settings	seconds.					
SIP Trunk Configuration	Pilot Number: 5164939899					
Diagnostics	Telephone Number:					
▶ <u>System</u>	Cal Reset					
	Inbound Call Test: When this test is easiled call: received for the plot number are diverted to the internal UA for 13 minutes, after this elapsed time the tast is automatically disabled. (Enabled Button Button Commission Commi	Test				
	Ping Test:					
	IP Address to Ping:					
	Ping Reset					
	Traceroute Test:					
	Transa Ban					



### Step 4 continued

Field	Description
Outbound Call Test TelephoneNumber	Specifies an outside phone number to which an outbound call will be initiated. The pilot telephone number of the SIP Trunk will be prepopulated.
Pilot Number	Displays the provisioned pilot number, which is used for outbound and inbound call tests.
Call	Initiates a call outbound to a telephone number entered or inbound to the pilot number displayed.
Inbound Call Test (radio button)	Indicates whether inbound test call will be enabled or disabled. If inbound test calls are enabled, calls made to the pilot number will be redirected to the test UA for fifteen minutes. When the pilot number is dialed, you will hear a test message play.
Submit	Enables or disables the inbound call test.
IP Address to Ping	Verifies basic connectivity to a networking device. Successful ping test results indicate that both physical and virtual path connections exist between the system and the test IP address.
Ping Button	Sends a ping to the IP address specified in the field "IP Address to Ping".
IP Address to Trace	Tracks the progress of a packet through the network. The packet can be tracked through the WAN or LAN interfaces of the adaptor.
Interface (radio button)	Indicates whether a packet will be tracked through the LAN or the WAN.
Traceroute Button	Initiates a traceroute to the specified IP address on either the LAN or the WAN.
Reset	Clears all fields and selections and allows you to enter new information. Reset applies to outbound call test, ping and traceroute.



## **3 Additional Set-up Information**

### Systems

optimum.	System Help
Configuration Menu	Software Version: Version 11.6.14.1 Fri Jan 4 17:49:28 PST 2013
Customer <u>LAN Settings</u> SIP Trunk	Hostname: 5164939899
Configuration Diagnostics System	Model: EdgeMarc 4552
	Vendor: Cablevision
	LAN Interface MAC Address: A8:70:A5:00:D8:18
	Registration Status: The ALG feature is registered. View <u>license key</u> .
	System Date: 02/29/2016 15:03:40 UTC
	Change Password: • pbxinstall

Field	Description
Pbxinstall Link	Select to change the default password for the pbxinstall login ID. Only the password can be changed. The login ID cannot be changed.

### Password

optimum	Set Password		<u>Help</u>
	Change the GUI password by must be between 6 and 8 ch	filling in the fields below. The password aracters in length.	ł
Configuration Menu • Customer • LAN Settings <u>SIP Trunk</u> Configuration • Diagnostics • System	Username: Current Password: New Password: Confirm Password: Submit Reset	pboinstall	



Field	Description
Username	Specifies the username for which the password can be changed.
Current Password	Specifies the current password.
New Password	Specifies the new password.
Confirm Password	Confirms the new password.
Submit	Applies the settings configured on this page.
Reset	Clears all fields and selections and allows you to enter new information.

## **4 International Calling**

Optimum Voice Business Trunking offers an optional International Calling Service for direct-dialed calls made from the Customer's business or from any phone via the Optimum Voice International Calling remote access number to destinations outside of the United States, Puerto Rico, Canada and the U.S. Virgin Islands at per minute rates. The Customer must login to the Optimum Business Account Center and activate the service on the Optimum Business Trunk Pilot telephone number to activate the service and manage the monthly International spending limit for the account.

Activating International calling on the Pilot TN will enable International calling for all Direct Inward Dial (DIDs) telephone numbers as well. Blocking International calling for one or more DIDs is managed by the customer directly from the PBX phone system configuration. To minimum the exposure to fraudulent calling, It is recommended to limit International calling capability to those DID's that require it and set up an account spending limit that reflects what is necessary to run the business.

It is the Customer (and/or the Customer Agent's) responsibility to properly secure the customer's PBX to prevent the PBX from being compromised and fraudulent calls from being made by unauthorized (internal or external) users. If fraudulent calls are detected, Cablevision reserves the right to disable International Calling until the PBX is properly secured by the customer.

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## **5 PBX Configuration**

The steps on the next pages describe the minimum configuration required to enable the PBX to use a SIP Trunk for inbound and outbound calling. This guide provides the configuration and steps for both PBX registration and static (non-registration) modes of PBX operation. Please refer to the Toshiba IPedge product documentation for more information on other advanced PBX features.

The configuration described here assumes that the PBX is already configured and operational with station side phones using assigned extensions or DIDs. This configuration is based on Toshiba IPedge version 1.1.3-06 and Toshiba IP5022-SD phones, which were used for the certificate testing.

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- The Toshiba IPedge used in testing came with one Ethernet port, with the default LAN IP address set to 192.168.254.250/24. To use Optimum Business SIP Trunk service with the Optimum Business SIP Trunk Adaptor, the Ethernet port and the SIP Trunk Adaptor's LAN port 1 must be in the same LAN segment and have been assigned with IP addresses of 192.168.254.1/24 and 192.168.254.250/24 respectively. In the lab, the same LAN port is also connected to all the IP phones via a PoE switch.
- The IP phones by default will need IP address assignment. The IPedge PBX does not have a DHCP server, the Optimum Business SIP Trunk Adaptor should have its DHCP server enabled. This is in step 2 of the Optimum Business SIP Trunk Set-Up Guide.
- 3. To configure the IPedge PBX, connect your PC to the PBX's LAN ports, launch the browser from your PC and enter "<u>http://192.168.254.250:8080/oamp</u>" in the address bar to access the Enterprise Manager program, a Web browser based Enterprise Manager application that resides on the IPedge server. Note: Enterprise Manager can be accessed using Microsoft Internet Explorer version 7 or later, or Mozilla Fire Fox version 5 or later.

TOSHIE	3A
User ID: Password: Session Timeout:	Administrator 30 Minutes • 12 Remember ne Submit Clear
IPedge.	

a. From the login screen, enter "Administrator" in the "Username" field, enter "password" in the "Password" field, select the timeout value in the "Session Timeout" field, check the "Remember me" checkbox (if you want the Enterprise Manager application to automatically log you in on your next visit) and click the "Submit" button.

OSHIBA		Ad	lmin Adr	ninistrator		- 6	eb 23 2012, 10:	30 AM	V 1.1.3-06	Logout
Administration	System	Station	Trunk	LCR/DR	IPedge Net	Maintenance	Application	Help		
You are connected to th Server Name: IPedge	e following ser IP Address	ver: : 192.168.25	4.250							
System Summary										
Enter Edit me Street woores City, State, Zp Phone Number		De 11 Er	efault Ente 23 Enterprise Interprise O 800 ENTER	rprise se Ctr ty, State PRISE						
Total Stations		9	saaminige	nterprise.com						

b. The first screen after login is the System Summary. Click the **"Edit"** icon to enter information about your IPedge server.

OSHIBA	Admin Admini	strator	- Fe	b 23 2012, 10:3	S AM	V 1.1.3-06	Logout
Administration   Syst	em Station Trunk <u>t</u>	CR/DR IPedge Net	Maintenance	Application	Help		
You are connected to the follow Server Name: IPedge IP Ad	ng server: dress: 192.168.254.250						
System Summary							
Enterprise Name Street Address City, State, 20 Phone Namber Binal Address Total Stations	Edit Location Informat © Enterprise Nam Default Enterprise 123 Enterprise City, Stat Enterprise City, Stat	tion 196: 5: 16 16 16 16 16 16 16 16 16 16	Phone Number     1800 ENTERPRISE     Email Address sysadmin@enterpri	r. : se.com			
			ок	Cancel			

c. Enter the enterprise name, address, phone number and e-mail address for the IPedge server. Click the "**OK**" button.

TOSHIBA	Admin Administr	ator	Feb 24 2012, 03:55 PH	V 1.1.3-06	Logout is
Administration System Statio	n Trunk LCR/DR 1	EPedge Net Maintenance	Application Help		
Denterprise - Servers					
Primary Server Information:					
Server Name: IPedge	IP Address: 192.168.254.250	System Type: IPedge I-EP			
<		-			

d. The IPedge servers can have up to three configurations, depending on the hardware platform. Navigate to "Administration" > "Enterprise" > "Servers" to see that this is an IPedge EP server (with only one LAN port), designed to serve up to 40 users.

		Admin Administrator		Feb 22 2012, 01:	34 PH V 1.1.3-06	Logou
Administration System	Station Trunk LC	R/DR IPedge Net Mai	stenance   Application	Help		
Trunk Groups - Trunk Groups	New New					
Servers: All	Group Directions Inc	oning and Outgoing 🔹				
Server Name 🔺	Group Number	Group Direction	Group Type	Trunk Type	Service Type	
						1
< (		н				

4. Navigate to "**Trunk**" > "**Trunk Groups**" and click on the "**New**" icon to create SIP Trunk Groups for incoming and outgoing lines.

TOSHIBA		Admin Administrator		Feb 22 2012, 01:39	PH V 1.1.3-06 Lopout 🖄
Administration System	Station Trunk L	OR/DR IPedge Net Hair	tenance Application	Help	
Trunk Groups - Trunk Groups					
Servers: Al	Group Direction: In	coming and Outgoing 🔹			
Server Name .	Group Number	Group Direction	Group Type	Trunk Type	Service Type
		Group Direction Select Group Direction Incoming and Outgoing CK	Cansel		
		Total rec	ords found: 0		

a. Select "**Incoming and Outgoing**" from the pull-down menu of the "**Select Group Direction**" field. Click the "**OK**" button.

ABINA			Admin Adm	inistrator		Feb 22 2012, 01:51 PM	V 1.1.3-06 Logo
Administration S	rstem St	tation Trunk	LCR/DR IP	odge Net 🔢 Haintenan	e Application Help		
Trunk Groups - Incomin	g and Outgo	~ <u>)</u>	Save ]				
roma proge			_				
Common Incomin	g Outge	oing					
O Additional informatio	n to setup th	unk group for IPedge	Net				
O Group Numbers			Line Types		O GCO Key Har	then	
0			00		0		
Group Type:			Private Servi	ce Type:	O Pool Key Hur	den	
SIP			Standard	*	0	-	
chara del Samolas							
O COS Dav1:		COS Dav2:		O COS Nake			
1		1		1			
184							
O FRL Day1:		O FRL Day2:		O FRL Night:			
1	-	1	•	1	•		
QPL							
O QPL Day1		O QPL Day2		O QPL Higher			
1		1	•	1	•		

b. In the **"Common**" tab, select a trunk group number ("8" in this example) in the **"Group Number**" field, select "SIP" in the **"Group Type**" field, leave other fields as default and click the **"Save**" icon.

rei 10edge	•	Save				
Common Incoming	Outgoing					
Additional information to	setup trunk group for IPeda	oe Net				
DRL						
ORL Day1:	ORL Days	0	ORL Night:			
1	• 1	-	1	•		
O co francis barr		0.000		0.0	Countrie Codes	
DID		Enable		Disable	vvernoe Covel	
O DID Dieiter		Calling Number 1	D	O Register Spe	ed Dial Codes:	
4		User Drovided		Disable	*	
O Speech/3-1KHz I		O Intercepti		O Originator In	voke OCA	
Audio	*	Disable	*	Disable	*	
O Delay1 Ringing Time		O Send Dial Tone :		O Senderized T	one Mode:	
12		Daable	*	Dial Tone		
O Delay2 Ringing Time		O TGAC Override:		C Emergency C	all Group:	
24	•	Disable	•	1		
O Interdigit 1 Timer		Network COSI		O Tenant Numb	en .	
15	•	1	-	1		
O Interdigit 2 Timer:		CR Group:		Call-By-Call	Causer	
5	•	1	•	UserBusy	•	

c. In the "Incoming" tab, select "DID" in the "CO Service Type" field, select "4" in the "DID Digits" field; leave other fields as default and then click the "Save" icon.
 Note: The PBX will route the incoming call to an extension based on the last 4 digits of the called number.

OSHIBA		Admin Admini	trator		Feb 22 2012, 01:58 PH	V 1.1.3-06	Logout
Administration Sy	ntem Station	Trunk LCR/DR IPede	e Net   Maintenance	Application   Help			
Trunk Groups - Incoming	g and Outgoing						
rvers: IPedge	•						
Common Incomin	g Outgoing						
O Additional information	n to setup trunk group	n for IPedge Net					
O Pool Key2 Numbe		O Destination Rest	rictions	O QSIG Sending Typ			
0		Disable		Cut Through	-		
O Speech/3.1KHz:		Credit Card Call	ings	O Network COS:			
Audio	•	Disable	•	1	•		
O NOH Sources		Send CESID:		Recall on AC15:			
Husic 1		Disable	*		Ψ.		
Account Code:							
Disable	•						
Deathe	•						

d. In the "Outgoing" tab, leave all fields as default and click the "Save" icon.

5. Navigate to "**Station**" > "**Station Group**" to create a hunt group for supporting voicemail and Auto-Attendant.

'OSHIBA	Admin Admin	strator	Mar 19 2012, 04:57 PM	VILL3-06 Logout
Administration System	Station Trunk LCR/DR	IPedge Net Maintenance	Application Help	
Station - Station Groups				
	New			
Servers: Pedge	Group Type: Hunt Group	•		
Server Name 🔺	Group Number	Pilot Numbe	r Number of r	nembers
		Total records found: 0		

a. Select **"Hunt Group"** from the **"Group Type"** field's drop-down list and click on the **"New"** icon.

OSHIBA		Adm	in Admini	istrator		Har 22 2012, 11:58 AM	V 1.1.3-06 Logout
Administration System	Station	Trunk	LCR/DR	IPedge Net	Haintenance	Application Help	
Station - Hunt Group	NQ	9	)				
ervers: IPedge •	50	ve					
Group							
Group Humber:			Pilot No. 1	SCFwd:		0 UCD MOH Source: Music 1	
Hunt Method:		9	Multiple	DN Hunt:		O UCD Overflow Timer:	
O Pilot Number:			DHG Auto	CampOn :		9 UCD BST Timer:	
555			Enable			10 -	
• Number to Display:		0	UCD Enab	le/Disable:			
			Disable				

b. Enter a 3-digit pilot number ("555" in this example) in the "**Pilot Number**" field, select "**Distributed**" from the drop-down list of the "**Hunt Method**" field, select "**Enable**" from the drop-down list of the "**DHG Auto CampOn**" field, leave other fields as default and then click the "**Save**" icon. **Note**: By default, the license will allow the hunt group to have a maximum of 4 ports for simultaneous voicemail access.

TOSHIBA		Admin Admi	nistrator		Mar 22 2012,	12:16 PM	V 1.1.3-0	Logout 🗵
Administration System	Station T	unk LCR/DP	L   IPedge Net	Maintenance	Application Help			
Station - Station Assignment	New		8	]				
Servers: Pedge	Directory N.	mber:	Se	arch Advanced				
Server Name .	Prime DN	Туре	EMPA User	Tenant Number	Name to Display	COS Day1	Day2	Night
			Total cor	orde found: A				
			Total Per	orus iounu. v				

c. Navigate to "Station" > "Station Assignment" to create four, 3-digit numbers of "SIP VM" device type for supporting voicemail access. Click the "New" icon.

TOSHIBA	Admin Administrator	Har 21 2	2012, 12:38 PH V 1.1.3-06 Logo
Administration System	Station Trunk LCR/DR IPedge Ret	Maintenance Application Help	
Station - Station Assignment			
Servers: Pedge •	Save		
Vew used station numbers			
Basic			
Prime Dit:     501     Type:     Type:	Station Sp0ial Dins:     None      System Speed Diak     Outline	Create New mailbox     OVHID Code : Voicemail P     S01     S01997	assword:
Name to Display:	VH HW Center Port:	Assign Personal Administration Role     Select Role:	
Network Calling Number:	O System Call Forward:	EMPA Normal User	
O IPedge liet Station     O Survivable Station	O Survivability Secondary Server.		
[+] Show advanced configuration			

d. Enter the first 3-digit number ("501" in this example) in the "Prime DN" field, select "SIP VM" from the drop-down list of the "Type" field, check the "Create New mailbox" checkbox, leave other fields as default and click the "Save" icon. Note that the VMID Code and voicemail password will be automatically generated by the PBX after you get past entering the Prime DN.

OSHIBA		Admin Ad	lministrator	Mar 21 201	2, 12:43 PH	V 1.1.3.06 Logout		
Administration System	Station T	unk   LCR/D	R   TPedge liet	Maintenance App	dication Help			
Station - Station Assignment			<b>II</b> 💽 🔄				1	
Servers: Pedge	<ul> <li>Directory N.</li> </ul>	mbers	Sei	rdh Advanced				
Server Name 🔺	Prime DN	Type	EMPA User	Tenant Number	Name to Display	COS Day1	Day2	Night
Pedge	501	SIP VM	Yes	1		1	1	1
Pedge	502	SPVM	Yes	1		1	1	1
Pedge	503	SIP VII	Yes	1		1	1	1
Pedge	504	SIP VII	Yes	1		1	1	1
			Total re	cords found: 4				

e. After you have set up the four, 3-digit numbers of "SIP VM" device type for supporting voicemail access, your Station Assignment screen should look like the the screen above.

OSHIBA	,	Minin Admini	strator			Mar 22 2012, 12	EJØ PM	V 1.1.3-06	Logout
Administration System	Station Trun	k CR/DR	IPedge Net	Maintenance	Application	Help			
Station - Station Groups	Ed	<b>a</b>							
Servers: Pedge	- Group Type	Hunt Group							
Server Name .	Groe	p Number		Pilot Numbe	er	Nur	nber of membe	rrs	
Pedge	1			555		0			
			Total reco	rds found: 1					

f. Navigate to "Station" > "Station Group" to add the four members to the hunt group for supporting voicemail. Check the checkbox for the Hunt Group #1 entry and then click the "Edit" icon.

TOSHIBA	Admin Administrator			Mar 22 2012, 12:00 PM	V 1.1.3-06	Logout in
Administration System Station Tr	unk LCR/DR IPedge	Net Maintenance	Application	Help		
Station - Hunt Group	۵ 🖬 🔊					
Servers: [Podge	Add members					
Group Members						
Group Number: 1	Number of members: (	, i				
Add a member: Click on Add members button	Hunt order	Hembers				
Delete a member: Clck on the member to select. More than one member can be selected and deleted at the same time. Clck on delete members bullon to remove the member.						
Change order: Cick on the member and drag it to its new order in the list.						

g. Select the **"Members"** tab and click the **"Add members"** icon.

TOSHIBA	Admin Administrator	Mar 22 2012, 12:47 PM	V 1.1.3-06 Logout 2
Administration System Station To	unk   LCR/DR   IPedge Net   Maintenance	Application Help	
Station - Hunt Group			
Servers: IPedge			
Group Members			
Group Number: 1	Number of members: 0		
Add a member: Click on Add members button	Hunt order Hembers		
Detete a member: Cick on the member to select. More than one member can be selected and deleted at the same time. Cick on delete members button to remove the member.			
Change order: Click on the member and drag it to its new order in the list.			
	A0	I new Hembers X	
	64	w to add to the member list	
		502 503 504	
		Cancel	
		0	

h. Select all four numbers (501 to 504 in this example) and click the "**OK**" button.

OSHIBA	Admin Administrator	Mar 21 2012, 12:57 PM	V 1.1.3-06 Logoul
Administration System Station Tr	nk LCR/DR IPedgeNet Maintenance Apple	cation Help	
Station - Hunt Group	to 🖴 🗩		
ervers: (Pedge - Data H	as been saved		
Group Members			
Group Number: 1	Number of members: 0		
Add a member: Click on Add members button	Hunt order Members		
Delete a member: Click on the member to select. More than one member can be selected	1 501		
and deleted at the same time. Click on delete members button to remove the member.	2 502 3 503		
Change order: Click on the member and drag it to its new order in the list.	4 504		

i. Click the "Save" icon.

6. Navigate to "Station" > "Station Assignment" to create the 3-digit extensions for the phones.

OSHIBA		Admin Ad	ministrator		Mar 22 2012,	01:01 PM	¥1.1.3	3-06 Logout
Administration System	Station T	runk LCR/	DR IPedge Ne	t Maintenance	Application Help			
Station - Station Assignment		P 16 6	20 💽 🐖	]				
	Nev							
Servers: Pedge	Directory N	lumbers	s	earch Advanced				
Server Name	Prime DN	Туре	EMPA User	Tenant Number	Name to Display	COS Day1	Day2	Night
Pedge	501	SP VM	Yes	1		1	1	1
Pedge	502	SP VM	Yes	1		1	1	1
Pedge	503	SP VM	Yes	1		1	1	1
Pedge	504	SPVM	Yes	1		1	1	1
			Total re	cords found: 4				

a. Click the "**New**" icon.

TOSHIBA	Admin Administrator		Mar 21 2012, 02:53 PM	V 1.1.3-06 Logout
Administration System	Station   Trunk   LCR/DR   IPedge Net	Maintenance Application	Help	
Station - Station Assignment	Store Store			
View used station numbers Basic				
O Prime Dite Do O Type: PT O fame to Display: DO O Retwork Calling Humber: O Pedge Ret Station O Pedge Ret Station	Station Spolial Bins: Nove O Set System Speed Dak Daale O WH WY Center Port: S5 O System Call Forward: Service/billy Secondary Server.	Create New malibux O VHID Code : 20 Create New Manuscreat Create New Manuscreate DePA Normal User	Voicemail Password: 20097 on Role	
[+] Show advanced configuration				

b. Enter a 3-digit extension number ("200" in this example) in the "Prime DN" field, select "IPT" from the drop-down list of the "Type" field, enter the same extension in the "Name to Display" field, enter the Hunt Group #1's pilot number in the "VM MW Center Port" field, select "1" (System Call Forward Number 1) in the "System Call Forward" field, check the "Create New mailbox" checkbox, leave other fields as default and click the "Save" icon. Note that the VMID Code and voicemail password will be automatically generated by the PBX after you get past entering the Prime DN. Remember to write down your voicemail password; you will need it to set up voicemail from the phone later.

OSHIBA		Admin Adm	inistrator		Har 21 201	2, 02:56 PM	V 1.1.	3-06 Logoul
Administration System	Station True	ik LCR/DR	IPedge Net	Maintenance	Application Help			
Station - Station Assignment			3 💽 🐔				7	
Servers: Pedge	Directory Num	bers	Sea	rch Advanced				
Server Name	Prime DN	Туре	EMPA User	Tenant Number	Name to Display	COS Day1	Day2	Night
Pedge	200	PT_L	Yes	1	200	1	1	1
Pedge	201	PT_L	Yes	1	201	1	1	1
Pedge	202	PT_L	Yes	1	202	1	1	1
Pedge	501	SPVM	Yes	1		1	1	1
Pedge	502	SPVM	Yes	1		1	1	1
Pedge	503	SPVM	Yes	1		1	1	1
Pedge	504	SPVM	Yes	1		1	1	1
			Total re	cords found: 7				

c. After you have set up the 3-digit extension numbers for the phones (200 to 202 in this example), your Station Assignment screen should look like screen above.

OSHIBA	Admin Administrator				Mar 22 2012, 01:45 PM	V 1.1.3-06 Logout		
Administration System	Station Trunk	LCR/DR	IPedge Net	Haintenance	Application	Help		
System - System Timer								
ervers: Pedge 🔹	Save							
ACB Callback Timer:     30		Delay 1 Ring	ping Timer:		O Network	k DSS Refresh Timer:		
ACB Cancel Recall Timer:		Delay 2 Ring	ging Timer:		Outgoin	g Number Display Timer:		
30 .		24	•		10	•		
Park Recall Timer:		Door Unlock	Timer		O Page Au	ato Disconnect Timer:		
120 -		6	*		10	-		
Camp-on Timer:		0 9+11 Judge	nent Timer:		Caller 1	D Display Timer:		
10 •		5	*		15	•		
SHOR Valid Call Timer:	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Emergency	Call Timer :		O Retry Is	nterval Of Status Request To		
1 *		30			MRSC	-		
Tandem Timer #1:		ABR Busy D	etection Time:		0			
300		7			MDS:	ounter Of Status Request To		
Tandem Timer #2:		O Lost Call Tin	nen		5			
30 .		180	•					
CF No Answer Time:		Lost Call Fin	al Timer:					
16 👻		180						
O Dial Input Timer:		O DTMF Tone	Sending Time:					
20 .		80 msec						

d. Navigate to "System" > "System Timer" to configure the PBX to send the inbound call to voicemail after four rings. Select "16" (seconds) from the drop-down list of the "CF No Answer Time" field and click the "Save" icon.

Advance       System       Station       Toruk       LEK/DR       Predge Ref.       Application       Holp         System - Cal Forward       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward         Soff Reamber       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward         Soff Reamber       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward         Soff Reamber       Telephone States       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward         Soff Reamber       Telephone States       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward         Soff Reamber       Telephone States       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward         Soff Reamber       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward       Image: Cal Forward         Soff Reamber       Image: Cal Forward         Soff Reamber       Image: Cal Forward       Image: Cal	OSHIBA	Ad	min Adminis	strator			Mar 22 2012,	02:18 PM	V 1.1.3-06	Logout
System - Cal Forward       Telephone Status         SCF Number       Telephone Status         0       1         1       No Forwards         3       No Forwards         4       No Forwards         5       No Forwards         6       No Forwards         9       No Forwards         10       No Forwards         11       No Forwards         12       No Forwards         13       No Forwards         14       No Forwards         15       No Forwards         16       No Forwards         17       No Forwards         18       Page Nember: 1 = 1(5) ≥2	Administration System	Station Trunk	LCR/DR	IPedge Net	Haintenance	Application	Help			
erves: Pedge	System - Cal Forward									
SCF Number     Telephone Status       2     No Forwarding       3     No Forwarding       3     No Forwarding       4     No Forwarding       5     No Forwarding       6     No Forwarding       7     No Forwarding       8     No Forwarding       9     No Forwarding       10     No Forwarding       11     No Forwarding       12     No Forwarding	ervers: IPedge -	Edit							2	
SCP Number     Telephone Status       ?     1     No Forwarding       2     No Forwarding										
Image Size     10     No Forwarding       Image Size     10     No Forwarding       Image Size     10     No Forwarding	SCF Number				Telephone St	atus				
2 No Forwards 3 No Forwards 4 No Forwards 5 No Forwards 6 No Forwards 7 No Forwards 9 No Forwards 9 No Forwards 10 No	V 1				No Forwarding					
<ul> <li>No Forwards</li> <li>A B Forwards</li> <li>No For</li></ul>	2				No Forwarding					
a and a second	E 3				No Forwarding					
<ul> <li>Be Manuardag</li> <li>Converting</li> <li>Converting<td>4</td><td></td><td></td><td></td><td>No Forwarding</td><td></td><td></td><td></td><td></td><td></td></li></ul>	4				No Forwarding					
<ul> <li>Belowering</li> <li>7</li> <li>No Forwaring</li> <li>8</li> <li>No Forwaring</li> <li>9</li> <li>No Forwaring</li> <li>10</li> <li>No Forwaring</li> <li>Page Size 10</li> <li>Records 1.10 of 48</li> <li>Page Number: 1 = 1(5) ≥</li> </ul>	5				No Forwarding					
7     No Forwarding       9     No Forwarding       10     No Forwarding       ages Size     10     •   Page Number: 1 • 1(5) ≥>	6				No Forwarding					
B Net Forwarding 9 OR Forwarding 10 Net Forwarding Page Size 10 ■ Records 1 · 10 of 48 Page Number; 1 ■ 1(5) ≥>	7				No Forwarding					
© 9 No Torvardog 10 No Torvardog Page Size 10 - Records 1 - 10 of 48 Page Number: 1 - 1(5) ≥>	8				No Forwarding					
na torvarding Page Size 10 → Records 1.10 of 48 Page Number: 1 → 1(5) ≥>	. 9				No Forwarding					
Page Size 10 - Records 1.10 of 48 Page Number: 1 - 1(5)≥	10				No Forwarding					
	Page Size 10 •			Records	1 - 10 of 48			Page N	umber: 1 🝷	1(5) ≥≥

e. Navigate to "System" > "Call Forward" to configure the conditions for the PBX to call-forward the inbound calls to voicemail. Check the SCF Number 1 checkbox and click the "Edit" icon.

DSHIBA	Admin Admir	nistrator	Mar 22 2013	22 2012, 02:41 PM V 1.1.3-06		Mar 22 2012, 02:41 PM V 1.1.3-06		
Administration System	Station Trunk LCR/DR	IPedge liet   Hainter	ance Application Help					
System - Cal Forward		e 🛃 🖬						
evers: Pedge								
O SCF Number :	O Telephone Busy No Answe	Status:			ŕ			
Call Type 🔺	Telephone Status	Period	Destination 1	Destination 2				
CO Loop or Ord	Buty	Day						
CO Loop or Grd	Busy	Night						
CO Loop or Grd	Busy	Day2						
CO Loop or Grd	No Answer	Day2						
CO Loop or Grd	No Answer	Day						
CO Leop or Grd	No Answer	Night						
CO Leop or Grd	Busy No Answer	Day						
CO Leop or Grd	Busy No Answer	Day2						
CO Loop or Grd	Busy No Answer	Night						
CO Loop or Grd	DND	Nght						
CO Loop or Grd	DND	Day2						
CO Loop or Grd	DND	Day						
00	Busy	Night						
00	Busy	Day2						
00	Dusy	Day						
00	No Answer	Day						
00	No Answer	Day2						
00	No Answer	Night						
00	Busy No Answer	Day						
00	Busy No Answer	Day2						
00	Busy No Answer	Night						
00	DND	Night						
00	DND	Day2						
00	DND	Day						
E TE	Dusy	Day						

f. Change the name of the SCF Number 1 by selecting **"Busy No Answer"** from the drop-down list of the **"Telephone Status"** field and click the **"Save"** icon.

OSHIBA	Admin	Administrator		Mar 22 2012, 03:03	PH V 1.1.3-06 Logou
Administration System	n Station Trunk L	CR/DR   IPedge Net   I	Haintenance Applicatio	n Help	
System - Cal Forward		🖬 💽 🛃 🖬			
ervers: [IPedge					
O SCF Number :	• Dusy N	phone Status: o Answer +			
Call Type .	Telephone Statu	s Period	Destinat	tion 1	Destination 2
CO Loop or Grd	Busy	Day			
CO Leop or Grd	Busy	Night			
CO Loop or Grd	Dusy	Day2			
CO Loop or Ord	No Answer	Call Forward			1
CO Loop or Grd	No Answer				
CO Loop or Grd	No Answer	Call Type:	• Telephone Stat	tus: OPeriod	
CO Loop or Grd	Busy No Answer	DID	* Busy No Answer	- Day	
CO Loop or Grd	Busy No Answer	O Destination 1:	Oestination 2:		
CO Leop or Grd	Busy No Answer	555	555		
CO Loop or Grd	OND				
CO Leop or Grd	DND				OK Cancel
CO Loop or Grd	OND				0
00	Busy	Night			
00	Busy	Day2			
00	Busy	Day			
00	No Answer	Day			
00	No Answer	Day2			
00	No Answer	Night			
00 💟	Busy No Answer	Day			
00	Busy No Answer	Day2			
00	Busy No Answer	Night			
00	DND	Night			
00	OND	Day2			
00	DND	Day			
I'l TE	Buty	Dev			

g. Check the checkbox for the entry where **Call Type="DID**", **Telephone Status="Busy No Answer" and Period="Day"** and click the **"Edit"** icon. From the pop-up box, enter Hunt Groupt #1's pilot number in both the **"Destination 1"** and **"Destination 2"** fields and click the **"OK"** button.

OSHIBA	Admin Admir	istrator	Mar 22 201	2, 02:57 PM V 1.1.3-06 Logout
Administration System	Station Trunk LCR/DR	IPedge Bet Hainten	ance Application Help	
System - Cal Forward				
erverst [Pedge w]	Data has been saved			
SCF Number :	Telephone 5     Busy No Answer	itatus:		
Call Type .	Telephone Status	Period	Destination 1	Destination 2
CO Loop or Grd	Busy	Day		
CO Loop or Grd	Busy	Night		
CO Leep or Grd	Busy	Day2		
CO Loop or Grd	No Answer	Day2		
CO Leop or Grd	No Answer	Day		
CO Leop or Grd	No Answer	Night		
CO Loop or Grd	Busy No Answer	Day		
CO Loop or Grd	Busy No Answer	Day2		
CO Loop or Grd	Busy No Answer	Night		
CO Loop or Grd	DND	Night		
CO Leep or Grd	DND	Day2		
CO Loop or Grd	DND	Day		
00	Busy	Night		
00	Busy	Day2		
00	Busy	Day		
00	No Answer	Day		
00	No Answer	Day2		
00	No Answer	Night		
00	Busy No Answer	Day	555	555
00	Busy No Answer	Day2	555	555
00	Busy No Answer	Night	555	555
00	DND	Night	555	555
00	DND	Day2	555	555
00	DND	Day	555	555
E TE	Busy	Day		

h. When you are done with **Call Type="DID**", the first half of the SCF Number 1 screen should look like the one above.

DSHIBA	Admin Admi	nistrator		Mar 22 2012, 03:01 PM	V 1.1.3-06	Logout
Administration System	Station Trunk LCR/DR	I IPedge Net   Maintenance	Application	Help		
System - Call Forward		e 🖉 🖪				
evers: (Pedge	Data has been saved					
E TE	DND	Day2				
ET TE	DND	Day				
TE TE	DND	Night				
Ring Transfer	Busy	Night				
Ring Transfer	Busy	Day				
Ring Transfer	Busy	Day2				
Ring Transfer	No Answer	Night				
Ring Transfer	No Answer	Day2				
Ring Transfer	No Answer	Day				
E Ring Transfer	Busy No Answer	Day2	555	555		
Ring Transfer	Busy No Answer	Day	555	555		
Ring Transfer	Busy No Answer	Night	555	555		
Ring Transfer	OND	Day	555	555		
Ring Transfer	DND	Day2	555	555		
Ring Transfer	DND	Night	555	555		
E Internal	Busy	Day2				
E Internal	Busy	Day				
E Internal	Busy	Night				
E Internal	No Answer	Day				
E Internal	No Answer	Night				
E Internal	No Answer	Day2				
E Internal	Busy No Answer	Night	555	555		
E Internal	Busy No Answer	Day2	555	555		
E Internal	Busy No Answer	Day	\$55	\$55		
E Internal	DND	Day2	555	555		
E Internal	DND	Day	555	555		
E Internal	DND	Night	555	555		
Page Size 100 -		Records 1 - 60 of 60			Page Numbe	er: 1(1)

i. When you are done with **Call Type="Ring Transfer**" and **Call Type="Internal**", the second half of the SCF Number 1 screen should look like the one above.

7. Navigate to "**Trunk**" > "**DID**" and then click on the "**New**" icon to map incoming calls to the extensions.

Administration     System     Station     Trunk     CCE/UR     IPedge lifet     Hantenance     Application     Height       Trunk - 000     Image: Comparison of the state				Admin Admin		
Trunk - 000	1	Maintenance Application Help	Trunk   LCR/DR   IPedge Net	System Station	Administration	
ers: Pedge					runk - DID	
ILG Group Humber:       Image: Construction of the source of				• [	rs: IPedge	
ILG Group Humber:       Image: Conserve the serve of the						
0     0000       0HOH Source:     0 CO Kry Group:       0 Audio Day1 Dat Type:     0       Data Day2 Dat Digits:     0       0     Data Boy1 Dat Digits:       000     0		• Tenant Number:	O DID Number:	bers	ILG Group Num	
Otto Asserce:       O CCO Key Group:       O         Maxt 1       O       O         Otto Assis       O       O         O Audio Davi Dost Type::       Data Davi Dost Type::       O         Data Davi Dost Type::       Data Davi Dost Type::       O         Data Davi Dost Digits:       O       Data Davi Dost Type::         Data Davi Dost Digits:       O       Data Davi Dost Digits:         OO       Audio Davi Dost Digits:       O         Data Davi Dost Digits:       O       Data Davi Dost Digits:         O       O       Data Davi Dost Digits:       O         Data Might Dost Digits:       O       Data Hight Dost Digits:       O         Data Might Dost Digits:       D       Data Hight Dost Digits:       O         Data Hight Dost Digits:       D       Data Hight Dost Digits:       O	•	1	8980		8	
ODD Audio     ODD Data       ODD Audio Dayl Dist Type: Daing Digits     ODD Data       OLANDO Dayl Dist Type: Daing Digits     ODD Data       ODD Audio Dayl Dist Type: Daing Digits     ODD Data Dayl Dist Type: No Data       O Audio Dayl Dist Digits: 200     ODD Data Dayl Dist Digits: 200       O Audio Dayl Dist Digits: 200     ODD Data Dayl Dist Digits: 200	pr	Pooled Key Group:	GCO Key Group:		O MOH Source:	
ODD Audo     ODD Data          • Audio Dayl Dist Type: Daing Digits         • On the Dayl Dist Type: Daing Digits           • Audio Dayl Dist Type: Daing Digits         • On the Dayl Dist Type: Daing Digits           • Audio Dayl Dist Digits: 200         • On the Digits: 200           • Audio Dayl Dist Digits: 200         • Dista          • Audio Dayl Dist Digits: 200         • Dista          • Audio Dayl Dist Digits: 200         • Dista		10	0		MUSIC 1	
Audio Dayl Dst Type: Daling Digis     Obla Dayl Dst Digits: 200     Audio Dayl Dst Digits: 200     Obla Digits: 200     Obla Dayl Dst Digits: 200     Obla Digits: 200     Obla Dayl Dst Digits: 200		Data			DID Audio	
Odada Dayi Dist viget     Odada Dayi Dist viget       Olarda Dayi Dist viget     Ibio Data       Olarda Dayi Dist Digits:     Ibio Data       Olarda Digit Dist Digits:     Ibio Data       Olarda Digit Dist Digits:     Ibio Data					0	
• Audio Day2 Det Type :     • O Data Day2 Det Type :       • Datio Day3 Det Type :     • No Data       • Audio Right Det Type :     • O Data Right Det Type :       • Datio Day2 Det Digits:     • O Data Day2 Det Digits:       • Audio Ray2 Det Digits:     • O Data Day2 Det Digits:       • Audio Ray2 Det Digits:     • O Data Right Det Digits:       • O Data Day2 Det Digits:     • O Data Right Det Digits:       • O Data Right Det Digits:     • O Data Right Det Digits:		No Data		Ust Type:	Dialing Digits	
Dalary Digits     •     No Data     •       Image: Space Spa		Data Day2 Dst Type :		2 Dst Type :	O Audio Day	
Audio Right Dat Type : Daing Optis     V     Otata Hight Dat Type : No Osta     V     Otata Hight Dat Type : No Osta     V     Otata Hight Dat Digits: 200     Otata Day1 Dat Digits: 200     Outa Day2 Dat Digits: 200     Outa Hight Dat Digits: 200     Outa Hight Dat Digits: 200     Outa Hight Dat Digits: 200		No Data 👻		-	Dialing Digits	
Carry Dogla     Constant Do		Data Night Dst Type :	and the second second second	t Dst Type :	O Audio Nigh	
O Audio Day1 Dxt Digits:     O Data Day1 Dxt Digits:       200     O Data Day2 Dxt Digits:       200     O Data Day2 Dxt Digits:       200     O Audio Right Dxt Digits:       200     O Data Night Dxt Digits:		Ho Data +		•	chaing orgits	
Audio Day2 Dst Digits:     O Data Day2 Dst Digits:     O Data Hight Dst Digits:     200     Audio Hight Dst Digits:     200		Data Day1 Ost Digits:		L Dst Digits:	O Audio Day: 200	
Audio Hight Dst Digits:     O     Data Hight Dst Digits:     200		Data Day2 Dst Digits:	1988-9068	2 Dst Digits:	O Audio Day	
		Data Night Dst Digits:		t Ost Digits:	O Audio Nigh 200	
DID/DNIS No. VHID:     O DID/DNIS Name:     O VH Application I	igits:	VM Application Digit	OID/DNIS Name:	MID:	OID/DNIS No. V	

- a. Select the Incoming Line Group number from the pull-down menu of the "**ILG Group Number**" field.
- b. Enter the last 4 digits of the SIP Trunk DID (the pilot DID in this example) in the "**DID Number**" field.
- c. Select "Dialing Digits" from the pull-down menu of the "Audio Dayl Dst Type" field, "Audio Day2 Dst Type" field and the "Audio Night Dst Type" field.
- d. If the incoming call should ring an extension, enter the mapped extension in the "Audio Day1 Dst Digits" field, "Audio Day2 Dst Digits" field and the "Audio Night Dst Digits" field.

CECTOR Trendge Ref Plan	Application Holp
C DID Humber: Imax C CO Kry Group: 10 10 10 10 10 10 10 10 10 10	O Testant Rumber.
DID Humber:      INN3     GCO Key Group:     0	Tesant Bumber     Tesant Bumber     Pooled Key Group:     0
ODD Humber: 19983 O GCO Key Group: 0	0 Tesant Rumker. 1 * 0 Pooled Key Group: 0 *
0 GCO Key Group:	1 Pooled Key Group: 0
0 GCO Key Group:	Pooled Key Group:     0
	-010 Data
	- DID Data
	000000
	Data Day1 Dst Type : No Deta
	Data Day2 Dst Type :     No Data
	O Data Hight Dst Type : No Data
	😌 Data Day1 Dst Digits:
	O Data Day2 Dst Digits:
	O Data Night Dst Digits:
O DID/DRIS Name:	O VH Application Digits:
	O DED/DRIS Name:

e. If the incoming call should go to an Auto-Attendant, enter "**555**" in the "Audio Day1 Dst Digits" field, "Audio Day2 Dst Digits" field and the "Audio Night Dst Digits" field.

**Important**: The IPedge's Auto-Attendant can only work with Out-of-Band DTMF tones (RFC-2833). The Cablevision network only supports in-band DTMF tones. In order for the Toshiba IPedge PBX to operate correctly with the Cablevison network, the Optimum Business SIP Trunk Adaptor must be configured to convert out-of-band DTMF tones sent by the Toshiba IPedge PBX to in-band DTMF tones and vice versa.

To enable this conversion, follow step 3 in the Optimum Business SIP Trunk Set-Up Guide. On the SIP Trunk Configuration page, you **must** check the **Convert Inband DTMF** checkbox, and click the Submit button to update the setting.

- f. Leave other fields as default and click the "Save" icon.
- g. Repeat the steps above until you have mapped all the DIDs to the extensions for inbound calls.
- Navigate to "Trunk" > "SIP Trunking" to set up SIP Trunk services via the Optimum Business SIP Trunk Adaptor.

OSHIBA	Admin Administrator	Feb 22 2012, 03:54 PH	V 1.1.3-06 Legent 3
Administration System Static	n Trunk LCR/DR I IPedge Net   Haintenance   Applicat	ion   Help	
Trunk - SIP Trunking			
IPedge •			
Channel Group Service Definition	Service Assignment Service URI		
0 SIP Trunk Channel Group: 16 *	SIP Trusk Channelu		

- a. Select the "Channel" tab to create a Channel Group for SIP Trunking service.
  - Choose a Channel group number (16 in this example) that has not been used in another section from the pull-down menu of the "SIP Trunk Channel Groups" field. Note that the phones will display this channel number when you dial 9 first to make an outside call.
  - 2) Enter **"3**" (because we are using 3 phones for the SIP trunk service) in the **"SIP Trunk Channels**" field.

TOSHIBA	Admin Administrator		eb 23 2012, 05:11 PM	V 1.1.3-06	Logout 🗵
Administration System	Station Trunk LCR/DR	IPedge Net Maintenance	Application Help		
Trunk - SIP Trunking					
Servers: IPedge +					
Service Definition Index:					
11 -					
• Registration Hode:	OLG:		O Domain Name:	_	
Clent 💌	8 O Effective (	Channel Number:	192.168.254.1		
8	4	·	192.168.254.1		
[+] Show advanced configuration					
(+) and exercise contaction					

- b. Select the the "Service Definition" tab and then click the "New" icon.
  - 1) Choose a SIP Trunk Service Definition Index from the pull-down menu of the **"Service Definition Index"** field.
  - 2) You can configure the PBX to communicate with the Optimum Business SIP Trunk Adaptor in Registration mode or Static IP mode.
  - To configure the PBX for Registration mode, select "Client" in the "Registration Mode" field.

**Note**: when an outbound call is received by the Optimum Business SIP Trunk Adaptor, it will check to see if the outbound call's caller ID matches any of the of the SIP Trunk DID's. If it doesn't, then the Optimum Business SIP Trunk Adaptor will replace the outbound call's caller ID with the pilot DID.

TOSHIBA	Admin Administrator	Feb 23 2012, 05:30 PM V 1.1.3-06 Logout 🗵
Administration System	Station Trunk LCR/DR IPedge Net	Maintenance   Application   Help
Trunk - SIP Trunking		
Servers: IPedge	]	
Service Definition Index	• • • • • • • • • • • • • • • • • • •	
Registration Mode:     None	0 0LG:	O Domain Name: 192.169.254.1
0 n.G: 8	Cffective Channel Numbe	r: OSIP Server: 192.168.254.1
[+] Show advanced configuration	2	

- 4) To configure the PBX for Static IP mode, select "None" in the "Registration Mode" field. Note that the PBX outbound call may use any of the SIP Trunk DID's as the caller ID. When a PBX outbound call is received by the Optimum Business SIP Trunk Adaptor, it will check to see if the outbound call's caller ID matches any of the SIP Trunk DIDs. If it doesn't, then it will replace the outbound call's caller ID with the pilot DID.
- 5) Select the Incoming Line Group number in the "**ILG**" field.
- 6) Select the Outgoing Line Group number in the "**OLG**" field.
- 7) Enter the maximum number of calls allowed for the SIP Trunk service in the "**Effective Channel Number**" field.
- 8) Enter the Optimum Business SIP Trunk Adaptor's LAN IP address in both the **"Domain Name**" and **"SIP Server**" fields. To work with the Optimum Business SIP Trunk service, the LAN port should be on the same subnet as the Optimum Business SIP Trunk Adaptor's port 1 and use the Optimum Business SIP Trunk Adaptor's port 1 IP address as it's sip server or gateway. This is the IP address configured in step 2 of the Optimum Business SIP Trunk Set-Up Guide.
- 9) Click the **"Save"** icon.

SHIBA	Some Some States	Har 22 2012, 03:40 PM V 1.1.3-06	-
Administration System Station Tr	nk LCR/DR IPedgeNet Maintenanc	e Application Help	
Turnels (10 Turnelson			
There are the start of the star			
ers: Pedge			
[-] Show basic configuration			
Primary Voice Packet Configuration:	T.38 Support:	TOS Throughput Type for Signaling:	
1 .	Disable •	Normal	
Secondary Voice Packet Configuration:	O SIP Server Caches:	TOS Reliability Type for Signaling:	
3	10 *	Normal	
Registration Period:	O Diffserv for Media:	OSCP for Signaling:	
700	Disable +	0 -	
O Timer B:	O TOS Field Type for Media:	Call Release On QoS Failure:	
5 -	T05 T	Disable +	
O Recovery Timer	O TOS Precedence Type for Media:	O OoS Failure Notification Timer:	
60	Critcal/ESP •	10 .	
Network Transfer:	• TOS Delay Type for Hedia:	SIP Trunk Service Recovery Time:	
Enable -	Normal T	60	
O User Agent Header:	O TOS Throughput Type for Media:	O SIP Trunk Options Interval	
Disable	Normal	0	
O Server Header:	O TOS Reliability Type for Media:	SIP Trunk Message Option:	
Disable ·	Normal	FQON	
Protocol Option:	O DSCP for Media:	SIP Trunk Message To Header Option:	
Disable •	• •	FQON .	
Session Timer:	O Diffserv for Signaling:	SIP Trunk Register Message From	
1800	Disable •	Header Option:	
O Primary Audio Codec:	TOS Field Type for Signaling:	PQDN ·	
6.7110 -	TOG -	O SIP Trunk Register Message To Header	
O Secondary Audio Codec:	O TOS Precedence Type for Signaling:	Coption:	
6.711a ·	Critical/ESP +		
O RTCP Support:	O TOS Delay Type for Signaling:	Assert Identity:	
Enable	Normal	O Connection Vo Made Datus Consen	
		Connection To Media Kelay Server:	

- 10) Click the "[+] Show advanced configuration" link and:
  - a. Enter **"700**" in the **"Registration Period**" field so that PBX will register more frequent in Registration mode.
  - b. Select "G.711a" in the "Secondary Audio Codecs" field.
  - c. Enter "0" in the "SIP Trunk Options Interval" field so that the PBX will not send Option messages.
  - d. Click the "Save" icon.

TOSHIBA	Admin Administra	itor	Feb 22 2012, 04:06 PH	VIII.3-06 Logout al
Administration System Stati	on Trunk LCR/DR IPedge I	et Haintenance Application	Help	
Trunk - SIP Trunking				
Dedge •				
Channel Group Service Definition	Service Assignment Service I	uRI		
SIP Trunk Channel Group	Service Number .	Service D	efinition Index	
	SIP Trunking		( <b>x</b> )	
	0 SIP Trunk Channel			
	16 ·			
	Service Numbers	Service Definition Index		
		ok	Canoel	

- c. Select the the "Service Assignment" tab and then click the "New" icon.
  - 1) Select the SIP Trunk Channel Group number in the "SIP Trunk Channel Groups" field.
  - 2) Select the "Service Definition Index" in the "Service Definition Index" field.
  - 3) Select the **"1**" in the **"Service Number**" field.
  - 4) Click the "**OK**" button.

TOSHIBA	Admin Administrator		Mar 22 2012, 03:45 PM	V 1.1.3-06	Logout 🗵
Administration System	Station   Trunk   LCR/DR   IPedge Net	Maintenance Application	n Help		
Trunk - SIP Trunking					
Pedar •					
Channel Group Service Definit	ion Service Assignment Service URI				
Service Definition Index 🔺	SIP URI Number SIP URI	SIP URI User Name	SIP URI Password	SIP URI Attribution	
	SIP Trunking		×		
	O Cassing Definition Indus				
	11 •	1 -			
	O SIP URI User Name:	O SIP URI:			
	0 SIP URI Password:	SIP URI Attribution:			
	admin123	MAIN +			
		ок	Cancel		

- d. Select the the **"Service URI**" tab and then click the **"New**" icon to create the SIP URI (this can be the pilot DID or an alphanumeric string (ie: "admin123")) for registering with the Optimum Business SIP Trunk Adaptor.
  - 1) Select the "Service Definition Index" in the "Service Definition Index" field.
  - Enter the SIP URI string ("admin123" in this example) in the "SIP URI" field and Select "MAIN" in the "SIP URI Attribution" field.
  - 3) Enter the Authentication username in the "SIP URI User Name" field.
  - 4) Enter the Authentication password in the "SIP URI Password" field.

**Note**: The PBX will use this SIP URI string for registration only. The Optimum Business SIP Trunk Adaptor must be configured with the same User Name and Password when using Registration mode. This is step 3 in the Optimum Business SIP Trunk Set-Up Guide.

5) Leave other fields as default and then click the "**OK**" button.

Adversativation System Station Treak (CE/DE Tredge tet Hainteener Application Help Treak - SP Truring Proto Channel Group Service Definition Index . SP URI Service Definition Index . SP URI Attribution SP URI Attribution	JOHINA	Namin	Administrator		Mar 22 2012, 03:52	PM V 1.1.3-06	Logour
Trunkk-SP Trunking      Channel Group: Service Definition     Service US      Service Definition     Service	Administration System	Station   Trunk   L	CR/DR   IPedge Net	Haintenance Applica	ition Help		
Perdor <ul> <li>Channel Group</li> <li>Service Definition</li> <li>Service Assignment</li> <li>Service URI</li> <li>Service Definition Index</li> <li>SF URI Number:</li> <li>Translood</li> <li>Translood</li> <li>Translood</li> <li>Site URI Attribution</li> <li>Translood</li> <li>Site URI Number:</li> <li>Translood</li> <li>Site URI Number:</li> <li>Site URI Number:</li> <li>Site URI Number:</li> <li>Site URI Number:</li> <li>Site URI Password:</li> <li>Site URI Attribution:</li> <li>Site URI Number:</li> <li>Site URI Password:</li> <li>Site URI Password:</li></ul>	Trunk - SIP Trunking		li i				
Channel Group Service Definition Service Assignment Service UNI Service Definition Index SP UNI Service SP UNI	Pedge 👻						
Bit UII Mamber         SP UII Ser Kane         SP UII Password         SP UII Attribution           1         1         2         716700090         sdm173         MAR           11         2         716700090         SUB         SUB         SUB         SUB           11         2         716700090         SUB         SUB         SUB         SUB           11         3         716700090         SUB	Channel Group Service Defin	sition Service Assig	nment Service URI				
11       1       admit23       admit23       LAA         11       2       7/8708060       5.0         11       3       7/8708060       5.0         11       4       7/8708000       5.0         Service Definition Index:       5       5.0       5         Service Definition Index:       5       5       5         Service Definition Index:       5       5       5         SP URL Hitchevice:       5       5.0	Service Definition Index .	SIP URI Number	SIP URI	SIP URI User Name	SIP URI Password	SIP URI Attribution	
11     2     7/870800     5.00       11     3     7/870800     5.00       11     4     7/870800     5.00       Struck Definition Index:     0     Str URL Humber:     5.00       31     3     7     7       9 StP URL View Hame     0     Str URL Humber:     7       11     3     7     7       9 StP URL View Hame     0     Str URL Attribution:       9 StP URL Password:     9     Str URL Attribution:	E 11	1	admin123	admin123	admin123	MAN	
11     3     7/8708991     5/8       11     4     7/8708902     5/8       SP Trailing     0     SIP UKI Attribution     5       0 SIP VICI Vser Name     0     SIP UKI Attribution       0 SIP VICI Password     0     SIP UKI Attribution	11	2	7187088990			SUB	
II 4 7/E708002 5UB BP Trunking O SEP URL Presswork O SEP URL Presswork	11	3	7187088991			SUB	
SEP Tranking SEP Tranking Service Definition Index: S SP URL View Hame 7 SEP URL S SP URL View Hame 7 SEP URL 7 SEP URL Password 5 SP URL Attribution 5 SP Canadian Ca	11	4	7187088002			SUB	
Emm	SIP URI User Name:     SIP URI Password:	0 SIP URI: 7187088993 0 SIP URI Attributi SU8	ion:	rds lound: 4			
			Cansel				

- e. Continue to select the the "**Service URI**" tab and click the "**New**" icon to create SIP URI for the SIP Trunk DIDs.
  - 1) Select the "Service Definition Index" in the "Service Definition Index" field.
  - 2) Enter the SIP Trunk DID in the **"SIP URI**" field and select "SUB" in the **"SIP URI Attribution**" field.
  - 3) Leave other fields as default and click the **"OK**" button.
- Navigate to "System" > "Flexible Access Code" to configure "9" as the Line Group access code.

System - Fischle Ac	cens Code Val Co Ca		
Access Codes	© Feature Names	v	
Access Code .	Feature Hame		
#12	Deer Look Control - Unlook deer		1
#15	Door Phones - Call Door phone		1
#18	CTI Application Start (dial to enter application number)		
#30	Page (All Group) - Page the 'All Page Group'		
#31	Page (One Group) - Page a selected Page Group		
#32	Call Park Pidup - pidup a parked call		
#33	Call Park - park a call on an orbit		
#37	Emerancy Page (All Group) - Emergency Page the 'Emergency Page Group'		
#38	Emergency Page (Group) - Emergency Page a selected Page Group		
#407	Voice Mail - Transfer		
#405	Message Waiting Answer - answer MW led set on your phone		
#409	Message Waiting Cancel- cancel MW led on your phone		
#411	Advisory Message Set		
#412	Advisory Message Cancel		
Page Size 200	- Records 1 - 108 of 108		Page Number: 1(1)

Access Code:	Feature Names      LCR - to place outgoing call using LCR		
007	Call Park Orbit Number (System)	Message from webpage	
008	Call Park Orbit Number (System)		
009	Call Park Orbit Number (System)	You are about to delete the selected items.	
010	Call Park Orbit Number (System)	Would you like to continue?	
011	Call Park Orbit Number (System)		
012	Call Park Orbit Number (System)		
013	Call Park Orbit Number (System)	OK Caprel	
014	Call Park Orbit Number (System)		
015	Call Park Orbit Number (System)		
010	Call Park Orbit Number (System)		
017	Call Park Orbit Number (System)		
018	Call Park Orbit Number (System)		
019	Call Park Orbit Number (System)		
	Private Network Access Code		1
	1/0, to place outpoling call using 1/0		

 a. If Access Code 9 is not already configured as Line Group access code, delete it.
 Select the entry for Access code 9, click the "Delete" icon and then click the "OK" button from the pop-up box.

System - Picchie Access	code		
werst IPedge	-		
O Access Code:	Feature Name:	OLG Number (1-128):	
,	List Grupp acress calls - one scene calls for such OCB CBC (Dec) acress calls - one scene calls for such OCB CBC (Dec) acress calls - one of the call of the one OCB CBC (Dec) acress calls - one of the call of the one of the often Henge Vinley OC (Dec) - one of the Vinley of the often of the often Henge Vinley OC (Dec) - one often Vinley of the often often Henge Vinley OC (Dec) - one often Vinley of the often often Henge Vinley OC (Dec) - one often Vinley of the often often Henge Vinley OC (Dec) - one often Vinley of the often often Henge Vinley OC (Dec) - one often Vinley of the often often Henge Vinley OC (Dec) - one often Vinley of the often often often Henge Vinley OC (Dec) - one often Vinley of the often often often Henge Vinley OC (Dec) - one often Vinley of the often often often Henge Vinley OC (Dec) - one often Vinley of the often often often Henge Vinley OC (Dec) - one often Vinley of the often often often often Henge Vinley OC (Dec) - one often Vinley of the often		

- b. To configure Access Code 9 as Line Group access code, click the "New" icon, enter "9" in the "Access Code" field, select "Line Group access code one access code for each "OLG" from the pull-down list of the "Feature Name" field and click the "Save" icon.
- Navigate to "System" > "Public Numbering Plan" to configure the PBX to allow dialing of "9" followed by a 10-digit number. Note that the Identifying Digits of "NXX" should be set to "10" in the "Pattern Digit Length" field.

JSHIBA	٨	min Administrator		Feb 24 2012, 02:12 PH	V 1.1.3-06	Logout
Administration System	Station Trunk	LCR/DR IPedge Net	Haintenance A	pplication Help		
System - Public Numbering Plan						
arvensi IPedge	•	Edit				
🗌 Identifying Digits 🔺			Pattern Digit Len	gen.		
1NDOC			11			
N11			3			
NDOC 1			7			_
						_
						_
(						
		Total case	inde found: 3			

a. To configure the PBX to allow dialing of **"9**" followed by a 10-digit number, check the checkbox for the default **Identifying Digits for "NXX**" and click the **"Edit**" icon.

TOSHIBA	Admin Ad	ministrator			Feb 24 2012, 02:16 PH	¥ 1.1.3-06	Logout 3
Administration System St	tation Trunk LOR/	DR IPedge Net	Maintenance	Application	Help		
System - Public Numbering Plan							
Servers: IPedge •							
Identifying Digits:							
Dattern Digit Length :							
7 6							
10 11 k							
13							
15 16 17 E							
15							
21							
23 24 25							
26 27							
29 30							
31 32 33							
34							
[10							

b. Select "10" (change from "7" to "10") from the pull-down list of the "Pattern Digit Length" field and click the "Save" icon.

TOSHIBA	Admin	Administrator			Feb 24 2012, 02:20 PH	V 1.1.3-06	Logout 🗵
Administration System	Station Trunk L	DR/DR IPedge Net	Maintenance	Application	Help		
System - Public Numbering Plan							
Servers: IPedge -							
Identifying Digits:     728     Pattern Digit Length :     7							

- c. To configure the PBX to allow dialing of "**9**" followed by a 7-digit number, click the "**New**" icon, enter "718" (area code of the SIP Trunk DIDs in this example) in the "**Identifying Digits**" field, select "7" from the "**Pattern Digit Length**" field and click the "**Save**" icon.
- 11. Navigate to **"Trunk"** > **"Calling Number** ->" > **"Calling Number Identification**" to configure the default Caller ID and the prefix for non-default Caller ID.

TOSHIBA	Admin Administrator	Har 22 2012, 04:00 PM	V1.1.3-06 Logout al
Administration System	Station Trunk LCR/DR IPedge-liet Haintena	nce Application Help	
Trunk - Caling Number Identification	son Save	1	
OLG Humber:     S     Humber Prefice     7/8     Humber Verification:     Duable	Obefault Humber: 71070000     Obefault Humber 2:	O Default Hame:	

a. Enter the area code of the SIP Trunk DIDs in the "Number Prefix" field, enter the pilot DID in the "Default Number" field (the PBX will use pilot DID as Caller ID if non-default Caller ID is not configured for the extensions), leave other fields as default and click the "Save" icon.

DSHIBA	Admin Administrator	Mar 20 2012, 12:14 PH	V 1.1.3-06 Logout
Administration System Stat	ion   Trunk   LCR/DR   IPedge Net   Haintenance	Application Help	
Trunk - CNIS Presentation			
	- Comp		
rvers: peope	( JANE )		
0.000	0		
8	Prime DN		
O Source Number : 202	Special Number Assignments:     7089982	Special Name Assignments: 7187088982x202	
Source Number	Special Number Assignments	Special Name Assignments	
200			
201	7088961	7187088981×201	
202			
501			
502			
503			
504			
	Total records found: 7		

- b. Navigate to "Trunk" > "Calling Number ->" > "CNIS Presentation" to configure the non-default Caller ID for the extensions. Select the phone extension entry, enter the last 7 digits of the SIP Trunk DID you want to use as Caller ID for this extension in the "Special Number Assignments" field, enter a name in the "Special Name Assignments" field (as of this writing, Toshiba has confirmed that this field is not supported) and click the "Save" icon. Note that, when the extension's "Special Number Assignments" field is specified, the PBX will add the area code (configured in "Trunk" > "Calling Number ->" > "Calling Number Identification" to this number and use it as Caller ID for the outbound calls placed from this extension.
- 12. Navigate to "Administration" > "Enterprise" > "Component Services" to configure the Media Server for supporting conference calls.

SHIBA		Admin Administ	rator		Mar 20 2012, 01:31 PM	V 1.1.3-06	Logo
Administration Sys	stem Station 1	Trunk LCR/DR 1	Pedge Net 👘 Mainte	ance Application	s   Help		
Enterprise - Component Se	avices						-
vers: Dedge	•	Edit					
Component Services	Server Application						
Component Name	Own Host Name	Own IP Address	Destination Host	Destination IP	Virtual Equipment		
MEGACO Service	locations	127.0.0.1	locahost	127.0.0.1	0101		
SP Service	localhost	127.0.0.1	locathost	127.0.0.1	0102		
V Media Server	localhost	127.0.0.1	localhost	127.0.0.1	0103		
P-05K Gateway	locahost	127.0.0.1	localhost	127.0.0.1	0104		
Media Relay Server	locahost	127.0.0.1	localhost	127.0.0.1	0105		
			and seconds from t				
			lotal records lotala.				

a. Check the **"Media Server**" checkbox and click the **"Edit**" icon.

Administrative System Vata Teterprise - Component Services Services: Product	n Trunk LCR/DR IP	edge Net 🔢 Maintenance	Application Help	
Component Services     Component Services      Servers: Product and the server and the serv				
Severe Proly • Media Server Configuration Farmeters © Component Hames Perfas Server © Service ID © Vetal Gapment: 0 2013 Media Server © Itofia Server Humber © Itofia Server Humber © Itofia Server Service ID Itofia Server Service ID Itofia Server Service ID	Save k			
Media Server Configuration Brancisco Component Ruinie Media Server • Vertual Guigement: 0 20 Vertual Server P Inclus Server P Inclus Server Rumber P Inclus Server Service IDP I				
Heda Server Conformation Parameters  Camponent Harner  Heda Server Vertual Topionent:  Vertual Topionent:  O Server Bin  Heda Server  Heda Server  Heda Server Service ID:  I  I  I  I  I  I  I  I  I  I  I  I  I				
© Component Name: Media Server v © Service ID • Vetual (guipment: 0103 Media Server • Hedia Server Number: • Hedia Server Service ID • Hedia Server Service ID • Hedia Server Service ID				
Service ID     Vertual (guipment:     050     Moda Server     O Hedia Server Humber:     F     Hodia Server Service ID     I	Own Host Nan	NES	Destination Host Name:     locabost	
Virtual Equipment:     0103 Media Server     Predia Server Number:     I	Own IP Addre	<b>SR</b>	Destination IP Address:     127.0.0.1	
Meda Server				
Hedia Server Number:      Media Server Service ID:      E				
Media Server Service ID:	O Hedia Server	Conference:		
-	O Hedia Server	Generic		

b. Enter **"8"** in the **"Media Server Conference**" field, enter **"14"** in the **"Media Server Generic"** field, leave other fields as default and click the **"Save"** icon.

ISS Supervisor Version: ISSSPV-1.1.5 Component Name    Supervisor Version: ISSSPV-1.1.5  Conformed Name  PTP Server  Coll ProP Server  Net Server Net Server Net Server Net Server  Net Server  Net Server Net Server  Net Ser	OS Version: Red Hat Enterpr ates unning unning unning unning unning	tise Linux Server release 5.4 (Tikang Start Time 03/19/2012 13.21.01 03/19/2012 13.21.04 03/19/2012 13.21.04	(8)	
Component Name     51       Bacula     R       Cran     R       TPP Server     R       Cut Processing     R       Net Server     R       Net Server     R	atus unning unning unning unning unning	Start Time 03/19/2012 13:21:01 03/19/2012 13:21:00 03/19/2012 13:21:04 03/19/2012 17:26:11		
Bacula     R       Crin     R       FTP Berry     R       Call Processing     R       Mth Server     R       MMP     R	unning unning unning unning	03/19/2012 13 21.01 03/19/2012 13 21.00 03/19/2012 13 21.04 03/19/2012 17 26.11		
Con R FTP Server R Cal Processing R Int Server R Intone R	unning unning unning unning	03/19/2012 13:21.00 03/19/2012 13:21.04 03/19/2012 17:26:11		
FTP Server     R     Cal Processing     R     Net Server     R     MMP     R	unning unning unning	03/19/2012 13:21:04		
Cal Processing R Net Server R HMP R	unning unning	03/19/2012 17:26.11		
RetServer R	unning			
HMP R		03/19/2012 13:22:03		
	unning	03/19/2012 13:21.02		
MEGACO Converter R	unning	03/19/2012 17:26:28		
Meet me Conference N	ot Registered	12/31/1969 16:00.00		
Media Relay Server R	unning	03/19/2012 17:28:37		
🛛 Media Server S	lopped	03/20/2012 13 50.44		
aga atar ini 🗸	necous			numum. 1 ¥ 1(4)22

c. Navigate to "Maintenance" > "System Maintenance" > "Core System Processes", check the "Media Server" checkbox and click the "Send restart action" icon to start the Media Server process.

Pedge •			
JGS Supervisor Version: JGSSPV-1.1.5	Q5 Version: Red Hat	Enterprise Linux Server release 5.4 (Tikanga)	
Component Name	Status	Start Time	
🗇 Bacula	Running	03/19/2012 13:21.01	
Cron	Running	03/19/2012 13:21.00	
FTP Server	Running	03/19/2012 13:21.04	
Call Processing	Running	03/19/2012 17:26.11	
Net Server	Running	03/19/2012 13:22:03	
HMP	Running	03/19/2012 13:21:02	
MEGACO Converter	Running	03/19/2012 17:26:28	
Meet me Conference	Not Registered	12/31/1969 16:00:00	
Media Relay Server	Running	03/19/2012 17:26.37	
Media Server	Stopped	03/20/2012 13:50.44	
age Size 10 +	Records 1 - 10 of 18		Page Number: 1 - 1(2) >>
	The page at http://192.168	254.250:8080 says: \$3	
	You are about to Would you like t	o continue?	
			R

d. Click the "**OK**" button.

OSHIBA	Admin Administrate	M	Mar 20 2012, 01:58 PM	V 1.1.3-06 Logout
Administration System Station	Trunk LCR/DR IPed	ige Net   Maintenance   Applicatio	m Help	
Maintenance - Core System Processes				
Pedge •				
105 Supervisor Version: 1055PV-1.1.5	OS Version: Red	Hat Enterprise Linux Server release 5-4 (Tik	anga)	
Component Name	Status	Start Time		
E Bacula	Running	03/19/2012 13:21.01		
Cron	Running	03/19/2012 13:21.00		
FTP Server	Running	03/19/2012 13:21.04		
Call Processing	Running	03/19/2012 17:26.11		
Net Server	Running	03/19/2012 13:22:03		
HMP	Running	03/19/2012 13:21.02		
MEGACO Converter	Running	03/19/2012 17:26:28		
Meet me Conference	Not Registered	12/31/1969 16:00:00		
Media Relay Server	Running	03/19/2012 17:26.37		
Media Server	Starting	03/20/2012 14:00.48		
age Size 10 +		Records 1 - 10 of 18	Page	Number: 1 → 1(2) ≥>

e. You may need to restart the PBX to get the Media Server to the running state.

IGS Supervisor Version: IGSSPV-1.1.5	OS Version: Red Hat	Enterprise Linux Server release 5.4 (Tikanga	0	
Component Name	Status	Start Time		
Bacula	Running	03/19/2012 13:21.01		
Cron	Running	03/19/2012 13:21.00		
FTP Server	Running	03/19/2012 13:21.04		
Call Processing	Running	03/19/2012 17:26.11		
Net Server	Running	03/19/2012 13:22:03		
HMP	Running	03/19/2012 13:21.02		
MEGACO Converter	Running	03/19/2012 17:26:28		
Meet me Conference	Not Registered	12/31/1969 16:00.00		
Media Relay Server	Running	03/19/2012 17:26.37		
Media Server	Running	03/20/2012 14:00.57		

- f. The Media Server is running. Now the PBX will allow the LAN phone to support 3-way conference calls with two WAN phones.
- 13. Configure the LAN phones by connecting the LAN phones to the PBX. Note: The Toshiba IP5022-SD phones by default will need IP address assignments. Since the Toshiba IPedge is not equipped with a DHCP server, you need to enable the DHCP server option available in the Optimum Business SIP Trunk Adaptor. This is step 2 of the Optimum Business SIP Trunk Set-Up Guide.
  - a. The Toshiba IP5022-SD phones communicate with the PBX using the Megaco VoIP protocol and it will pick up any new extension from the PBX as its Station ID if the phone has not been used before. Once the phone has been used, it will insist on using the same Station ID.
  - b. To change the IP5022-SD phone's Station ID to match the PBX's extension:
    - 1) Press 3, 6, 9 and the red Hold key at the same time.
    - 2) Press 2 and then press the red Hold key (Feature Button 1-10 on the right side of the phone should be lit in solid red).
    - 3) Press the 6th Feature Button (it should change to flashing red) and enter the new Station ID to match the PBX's extension.
    - 4) Press the red Hold key (The 6th Feature Button should change back to solid green).
    - 5) Press the red Hold key again, lift the handset off the hook for several seconds, then hang up. The phone will restart with the changed Station ID.
  - c. Once the phones are up and running, enter the Hunt Group #1's pilot number and voicemail password to set up voicemail.

14. Navigate to **"Application"** > **"Webmin** ->", click the **"IPedge"** tab and click the **"Backup and Restore"** link to access the Backup and Restore features.



a. To manually back up the configuration, click the "Manual Backup" icon.

SHIBA	Admin Administrator	Mar 22 2012, 04:48 PM	V 1.1.3-06 Logout
Administration System Sta	on   Trunk   LCR/DR   IPedge Net   Hainten	ance Application Help	
Webmin 1.491.1 on localhost localdo	ain (Redhat Enterprise Linux 5) - Windows Internet Exp	Norer	×
http://192.168.254.250:10000/			
TOSHIBA	Module Index Manual I Help.	Backup	
Login: Advanced			
Sapara	Backup job details		
Cthers	ALL-IPedge +		
Networking	Wait for results?   Yes   No		
Hardware	Backup Now		
IPedge			
Backup and Restore	A Deturn to module index		
Log Collection	<ul> <li>Netum to module index</li> </ul>		
Make MBR in USB			
Program Update RPMS			
Unload/Download MOH files			
oproact common mornines			
Search			
The System Information			
() Locaut			
	Internet   Protected	Mode: Off 🛛 🖓 👻 🔍 100%	•

1) Click the "Backup Now" button.



2) Waiting for backup to finish.

b. To restore from previous manual backup to the server, click the "Restore" icon.

Administration System Sta	tion Trunk ICC/DD IDedaetiet Maintenance Annli	ration Help	
Administration System Sta	oon Trunk LCR/DR Drenge Net Plaintenance Appo	cation neip	
Webmin 1.491.1 on localhost localdor	nain (Redhat Enterprise Linux 5) - Windows Internet Explorer		-
http://192.168.254.250:10000/			
	10.00		
TOSHIBA	Index Restore		
Login: Advanced			
System 3	Restore from Backup Restore from Files		
Servers .	Options for the Source		
Cthers C	Restore from Job 74 - ALL-IPedge (201	2-03-19 15:08:00) *	
Networking	Restore from storage device File -		
IPedae			
Backup and Restore	Options for the Target		
Log Collection	Restore to server IPedge (on 19	2 168 254 250) -	
Make MBR in USB	O Perters to least difference     Incoherence		
Program Update RPMS	<ul> <li>Restore to local (in-edge) directory /mp/bacula-in</li> </ul>	estores	
Unload/Download MOH files	Restore Now		
Search:			
Control states actual	< Return to module index		
The System Information			
Cogout Used			
	20		

 From the "Restore from Backup" tab, select the backup file to restore from the "Restore from Job" field, leave other fields as default and click the "Restore Now" button.



2) Click the "**OK**" button.

System St	TOTAL TOTAL	roge and the state of the		
Webmin 1.491.1 on localhost.localdo	main (Redhat Enterprise Linux 5) -	Windows Internet Explorer		<u>a</u>
http://192.168.254.250:10000/				
	Madale			al.
TOSHIBA	Index Help.	Restore		
Login: Advanced				
System .	Starting restore of job AL	L-IPedge to client IPedge	- Ed from storage File	
Servers	-		-	1
Others	Connecting to Director	localhost: 9101		
Networking	1000 CK: Tradpa-dir Version: 5.0.2.19 (28 April 2010)			
B Hardware	restor client=Tedge-fd jobi#74 storage=File where="/tmp/.baculatmp"			
IPedge	Using Catalog "HyCatalog"			
Backup and Restore	Tow have selected the following JobId: 74			
Log Collection	Building directory tree for JobId(s) 74 ++++++++++++++++++++++++++++++++			
Make MBR in USB	63 files inserted into the tree.			
Program Update RPMS	You are now entering f	ite selection mode where	tion and (mark) and	
RAID	remove (unmark) files to be restored. No files are initially added, unless			
Upload/Download MOH files	you used the "all" keys Inter "done" to leave t	word on the command line. this mode.		
Search	and dat /			
	5 cd /			
System Information	cwd is: /			
() Logard	82 files marked.			
Cogosi	\$ done			
	Sootstrap records written to /var/lib/bacula/IPedge-dir.restore.1.bsr			
	The job will require sh	he following		
	Volume(s)	Storage (s)	SD Device(s)	
	ipedge0001	File	FileStorage	
	Volumes marked with ""	" are online.		
				-

3) Wait for Restore to complete.



4) The server is now done with restoring the previous backup.