# Trunks

# Egress Trunks

Egress Trunks is used to transfer the call from inside of system and proceeds through its routers to a destination somewhere outside of the system. Egress Trunk is added to Routing Plan to route the call.

This section help user to manage all egress trunks. There are some options as below:

Screenshot: Egress Trunks Menu

# Egress Trunk

🛨 Create New	Delete All	Delete Selected
Egress List		>
Egress Import		>
Egress Export		>
Import Host		>
Export Host		>
Import Action		>
Export Action		>

On this page:	
• Egress 1	Frunks
0	Egress Trunks List
0	Egress Import
0	Egress Export
0	Deleting All
0	Deleting Selected
0	Adding New
	Egress Trunk
0	Egress Trunk
	Details
<ul> <li>Ingress</li> </ul>	Trunk
0	Ingress Trunks List
0	Creating New
	Ingress Trunk
0	Ingress Import
0	Ingress Export
0	Deleting All
0	Deleting Selected
0	Ingress Trunk
	Details

Egress Trunks Menu

### **Egress Trunks List**

By click on Route Trunks Main window of this section will be appeared by the list of all available Egress Trunks.

Screenshot: Egress Trunk List

### Egress List

Search:			Status:	Page row:								
Enter Se	arch		All 🔹	10 -	Show	/Hide Colun	nns 🔍					
	Host Port	Egress ID	Egress Name   🌲	Carriers	Call Limit	CPS Limit	Usage Count	Rate Table	PDD Timeout	Updated at	Updated By	Action
	$\bigcirc$	1422	muder	somm	1000		2	1476	6000	2017-12-30 13:50:46+0000	admin	
	$\bigcirc$	1423	new_egress	new_ec			3	1477	6000	2017-12-30 13:54:39+0000	admin	

Egress Trunks List

Column Name	Description
Egress ID	ID of Egress Trunk.
Egress Name	Name of Egress Trunk
Carriers	The Carriers owner this Egress Trunk.
Call Limit	Limit of calls on Egress Trunk.

CPS Limit	Limit of Call Per Second on Egress Trunk
Usage Count	Total Dynamic Routings/Products are using this Egress Trunk.
Rate Table	Rate Table of Egress Trunk
PDD Timeout	Post Dial Delay timeout.
Update At	The last date/time when Egress Trunk was updated.
Update By	The last person who updating Egress Trunk.
Action	The Action performed on Egress Trunk.

Button	Description				
$\odot$	Is used to view Host Port	of the trunk. Click on th	nis icon, there is a pop	o-up as below:	
		Host Po	ort		
	Host	IP	Port	CPS	
	1.2.3.45	1.2.3.45	5060		
		View Host Po	ort		
	Is used to send email to N	NOC email when the tru	unk is interrupted.		
	Is used to save Egress Tr	runk with all information	n as a template.		
<b>v</b>	Is used to activate/deactiv	vate Egress Trunk.			
0	Is used to edit Egress Tru	unk.			
0	Is used to delete Egress	Trunk.			
Enter Search	Is used to query data by t	the name of Egress Tru	ink.		
All	Is used to query data by t	the status of Egress Tru	unk.		
Page row: 10 🔻	Is used to set the total of	records per a page.			
Show/Hide Columns 🔹	Is used to select the colu	mn which will be showr	n/hidden.		
<123>	Is used to go to next, pre- of page.	vious page. It is also us	sed to go to the specif	ic page by click	ing on the number

Only one Host Port details can be viewed at a time. When you expand another Host Port, the previously expanded one will collapse.

# **Egress Import**

This tab allows the user to import Egress List instead of creating manually.

Click on Egress Import tab, the main window will appear as below:

Screenshot: Egress Import

Egress List	>	Egress Import	
Egress Import	>	Import File:	Duplicate:
Egress Export	>		<ul><li>Ignore</li><li>Delete</li></ul>
Import Host	>	Drag & Drop to upload	Show
Export Host	>	to upload	
Import Action	>		Upload
Export Action	>		
		Egress Import	

Field Name	Description
Import File	Select file to import. after uploading, Show and Modify button will appear allow the user to show and modify all records before importing
Method	Action performed on duplicate records. Ignore or Delete
Example	Download example file.

Fill out all parameters and click the Upload button to import.

# Egress Export

Click on Egress Export tab, the new window will appear allow the user to download block list.

Screenshot: Egress Export

Egress List	Egress Export	
Egress Import	Data Format:	
Egress Export	CSV -	With headers row
	Header Text:	Footer Text:
Import Host	Enter Header Text	Enter Footer Text
Export Host		
Import Action		
Export Action	Column #1:	Column #2:
· · · · · · · · · · · · · · · · · · ·	trunk_id •	trunk_name •
	Column #3:	Column #4:
	carrier_name •	media_type 🔹
	Column #5:	Column #6:
	call_limit •	cps_limit •

Egress Export

Selecting the format of the export file. There are two types: CSV and XLS.

Checking on "with headers row" checkbox, the export file will have the header and footer row with text which is configured in Header Text and Footer Text textbox.

Select columns you want to export and click the Download button. Click on Reset button to Reset and Back button to go back to Client List page.

Select format, header text, columns want to export and click the Download button. The exported file will be downloaded as expected.

You can also import, export Host and Action for Egress Trunk. For further informationofHost and Action, we will get in the Egress Trunk details part.

### **Deleting All**

Click on **Delete All** button to delete all billing rule in the system.

## **Deleting Selected**

Using the Select icon to select rule then click on Delete Selected button to delete all selected billing rule.

Delete function can be used to permanently remove a Billing Rule from the system. Please, use this feature with care – deleted Billing Rule cannot be restored by any means.

### **Adding New Egress Trunk**

Click on Create New button, the new window will appear allow the user to input all parameters and create new Egress Trunk.

Screenshot: Creating New Egress Trunk

# Add New Egress Page

Back			
gress Name:		Call Limit:	PDD Timeout:
Enter Name		Enter Call Limit	6000
Carriers:		Media Type:	Authorized:
	•	Bypass Media	Authorized by Host Only
Iin Duration:		Max Duration:	Ring Timer.
0		3600	60
lin. Profitability:		Active:	Multi-Host Routing Strategy.
\$ 0	Percentage	True	• Top Down
Pass LRN to Hea Codecs No data	s	T.38 elected Codecs lo data	
Codecs No data	S N	elected Codecs lo data	
Codecs	N	elected Codecs lo data	Port Action

Creating New Egress Trunk

Field Name	Description		
Egress Name	Name of Egress T	runk.	
Carriers	Assign Egress Tru	unk for Carrier.	
Media Type	There are two typ	es of Media:	
	By pass Media	Takes place v	when the carrier establishes the call but removes itself from the media pathway.
	Proxy Media	The opposite call.	of media by pass, the carrier remains in the media path for the duration of the
Min.Profitability	Set the minimum	of Profitability o	f Egress Trunk. It counts by percentage or fixes value.
Call Limit	Limit of Call throu	gh Egress Trun	k.
CPS Limit	Limit of Call Per S	Second through	Egress Trunk.
Active	Status of Egress	Trunk: Activate	or Deactivate.
Enable T38	Enable the T38 pr	rotocol for this tr	unk.
PDD Timeout	Post Dial Delay tir	neout.	
Multi-Host Routing	Routing Strategy	when there are	many Hosts belong to Egress Trunk.
Strategy	Top-Down	Top hosts will b	e prioritized
	Round- Robin	ls an arrangem	ent of choosing all hosts in a group equally in some rational order
Pass LRN to header	Pass Location Ro	-	b header.
Min Duration	Minimum of Call E		
Max Duration	Maximum of Call		
Rate Table	Rate Table for Eg		
Ring Time	The Ring Time for	-	Egress Trunk.
Use RPID as Caller ID	Use RPID as Call		
Enforce CID Block			Please refer CID Block for more details.
Codecs	Select Codes for e	encoding or dec	oding a digital data or call signal.
Authorized	There are 3 types	of Authorized:	
	Authorized by H	lost Only	For this option, IP/Host of Caller must match with authorized IP/Host, call will be passed
	Authorized by S Registration	SIP	Authorized by SIP Registration
	Register to gate	eway	Authorized by register to gateway
Add Host	This form is displa	ayed if Authorize	ed by Host-Only.
	Hos Host Nar	ne	
	IP IP of hos	t	
	Port Port num	ber	
Add SIP User	This form is displa	ayed if Authorize	ed by SIP Registration.
	Usernam Use	ername of SIP l	Jser.
	Password Pas	ssword of SIP L	lser.

Add Gateway Info	This form is d	isplayed if Authorized is
	IP	IP to register.
	Port	Port to register.
	Expired	The time for register.
	Username	Username to register.
	Password	Password to register.
	SIP Profile	Select SIP Profile

Filling out all parameters and click on Submit button to save. If not, click on Reset button to clear all fields.

The user can also create new Egress Trunk by Template. There is some default information of Egress Trunk in Template. The user just inputs a little bit information such as name. Please refer Egress Trunk Template for further info.

## **Egress Trunk Details**

To view details of Egress Trunk, click on Trunk Name, the window will be appeared as below:

#### **Basic Information**

Screenshot: Egress Trunk Details

# Basic Info

# Egress Name:

new\_egress

# Carriers:

new\_ec

# Media Type:

Bypass Media

# Min. Profitability:

Ś	0
Ŷ	

Percentage

٧

v

v

# Call Limit:

Enter Call Lim	it		
----------------	----	--	--

# CPS Limit:

	Limit	CPS	Enter
--	-------	-----	-------

# Active:

True

🗸 Т.38

# Rate Table:

rategen1234	•
rategen1234	•

# Authorized:

Authorized by Host Only

Pass LRN to Header

Use RPID as Caller ID

Enforce CID Block			ß	
+ Add Host				
Туре	Host		Port	Action
IP Address 🔻	1.2.3.5	4785		
Timeout				
PDD Timeout:				
6000				
Multi-Host Routing Strategy:				
Top Down	٣			
Min Duration:				
0				
Max Duration:				
3600				
Ring Timer.				
60				
Codecs				
Codecs		Selected Codecs	3	

No data	No data
O items	O items
	Egress Trunk Details

#### Limits

This tab is used to set the limits value for the Egress Trunk.

Screenshot: Limits

### Call Limit:

0

# CPS Limit:

0

# ANI CPS Limit:

Enter ANI CPS Limit

# ANI CAP Limit:

Enter ANI CAP Limit

## DNIS CPS Limit:

Enter DNIS CPS Limit

# DNIS CAP Limit:

Enter DNIS CAP Limit

Limits

Enable PCI

Field Name	Description
Call Limit	Set the call limit on this trunk.
CPS Limit	Set the Call Per Second limit on this trunk.
ANI CPS Limit	Set the Call Per Second limit of caller number on this trunk.

ANI CAP Limit	Set the Capacity Limit of caller number on this trunk.
DNIS CPS Limit	Set the total Call Per Second of callee number on this trunk.
DNIS CAP Limit	Set the Capacity Limit of callee number on this trunk.

#### Action

This tab is used to set the action will perform if there is a call go through this Egress Trunk.

#### Screenshot: Action

+ Add Action								
Time Profile	Target	Code	Action	Chars to Add	Num of chars to Del	Number Type	Number Length	Action
time profile 🔻	AT T	123	Delete P 🔻	Test	14 •	> •	1	
sunshine 🔻		1	Add Pre: 🔻		•	= •	1	
				Action				

Field Name	Description
Time Profile	Select the time profile when the action is effective.
Target	The target of action. Actions will be performed on this object. it includes: ANI/DNIS.
Code	Set the code.
Action	The action includes: Add Prefix, Delete Prefix, Add Suffix and Delete Suffix.
Chars to Add	Set the characters will be add to ANI/DNIS.
Num of chars to Del	Set the total of characters will be remove from ANI/DNIS.
Number Type	Set the condition to triggered action.
Number Length	Set the number length. It will combine with Number Type. If the Number meet the condition, the action will be triggered.
0	Is used to delete the action.
	Is used to change the oder of action by moving up. The top action will be given the priority.
	Is used to change the oder of action by moving down. The top action will be given the priority.

#### Fail-over Rule

Failover is switching to a redundant or trunk, host upon the failure or abnormal termination of the previous call. This section is used to define the Rule to do the Failover

Screenshot: Fail-over Rule

Egress Return	System Default		User Defined		
Code	Route Type	Response	Route Type	Response	Reason
Enter	Stop 💌	Multip	Stop •		
Enter	Fail to Next Trunk 💌	Move	Fail to Next Trunk		
Enter	Fail to Next Trunk 💌	Use P	Fail to Next Trunk		
Enter	Fail to Next Trunk 💌	Bad R	Fail to Next Trunk		
		Fail-o	ver Rule		

For more information, please refer Fail-over Rule page.

#### PASS

This tab is used to set the condition to pass the call

Screenshot: Pass

RPID:				
Pass Throug	gh			•
Enable PA	AID			
Enable OL	LI			
			ß	
Enable PC	CI			
Enable PF	RIV			
Enable DI	IV			
-				
Display N	lame			
			Submit	
		PASS		
Field Name D	Description			

RPID	Never: Do not pass Remote part ID to the egress side
	Pass Through: Always pass Remote part ID to the egress side if it exists in the ingress SIP INVITE header
	Updating the Caller Number: Map the Caller Number to Remote part ID and pass to egress side
Enable PAID	Never: Do not pass P-Asserted ID to the egress side
	Pass Through: P-Asserted ID to the egress side if it exists in the ingress SIP INVITE header
	Updating the Caller Number: Map the Caller Number to P-Asserted ID and pass to egress side
Enable OLI	Never: Do not pass Origination Line Info to the egress side
	Pass Through: Always pass Origination Line Info to the egress side if it exists in the ingress SIP INVITE header
Enable PCI	A field in SS7 signaling.
Enable PRIV	Never: Do not pass Privacy Header to the egress side
	Pass Through: Always pass Privacy Header to the egress side if it exists in the ingress SIP INVITE header
Enable DIV	Never: Do not pass SIP Division Header to the egress side
	Pass Through: Always pass SIP Division Header to the egress side if it exists in the ingress SIP INVITE header
Display Name	A field in SS7 signaling.

### Billing

This tab is used to set the way to count the amount in billing.

#### Screenshot: Billing

Rounding:	
Up	•
Rounding Decimal Places:	
6	
Determine Jurisdiction By:	
LRN	•

Billing

Field Name	Description					
Rounding	The way to rounding the Decimals.					
	Up: For example 5.5 will be rounded up to 6					
	Down: For example 5.5 will be rounded down to 5					
Rounding Decimal Places	The position of a digit to the right of a decimal point which will be rounded.					
Determine Jurisdiction By	There are two options:					
	LRN: Determine by Location Routing Number					
	<b>DNIS:</b> Determine by the number of callee.					

### SIP Profile

This tab is used to define SIP profile on this Egress Trunk

Screenshot: SIP Profile

	Switch Name 🔶	Ingress Trunk	\$ Action
		No Data Found	
		SIP Profile	
Field Name	Description		
Switch Name	The name of the V5 switch.		
Ingress Trunk	The name of the Ingress Trunk.		
Binding IP	The Binding IP.		
Action	The action performed on record.	]	

#### **Replace Action**

This tab is used to define the action the replace the ANI/DNIS number by the others one when it meet criteria.

Screenshot: Replace Action

# **Replace Action**

# 🕂 Add

Туре		ANI Ma	nipulation		DNIS Manipulation				
		Match Criteria				Ohanna ta	Action		
	ANI Prefix	ANI Min Length	ANI Max Length	Change to ANI	DNIS Prefix	DNIS Min Length	DNIS Max Length	Change to DNIS	
DNIS	•				1	1	2	1	0
ANI	• 12	12	12	12					0

Re	place	Actio	n
1/6	place	ACUIN	ווע

Field Name	Description
Туре	Type of object that the action will be applied to. It includes: ANI, DNIS and Both.
Prefix	Set the prefix criteria. If the ANI has prefix match with this value, the action will be performed.
Min	Set the min of ANI length. If the length of ANI in this range (between min and max), the action will be performed.
Мах	Set the max of ANI length. If the length of ANI in this range (between min and max), the action will be performed.
Change To	Define the action by providing the number. If match criteria, this number will replaced old ANI number.
Prefix	Set the prefix criteria. If the DNIS has prefix match with this value, the action will be performed.
Min	Set the min of DNIS length. If the length of DNIS in this range (between min and max), the action will be performed.
Мах	Set the max of DNIS length. If the length of DNIS in this range (between min and max), the action will be performed.
Change To	Define the action by providing the number. If match criteria, this number will replaced old DNIS number.
Action	Action performed on the record.

### **Dynamic Routing**

This tab is used to config the dynamic routing for this Egress Trunk.

All the calls go through this trunk have to follow this routing.

Screenshot: Dynamic Routing

Page row:	10 •	Show	/Hide Columns	•				+	Q. B. 2	
	Name	\$	Routing Rule	¢	Time Profile	\$	QoS Cycle	•	Action	
	Select one	•	Select one	•	Select one	•	Enter QoS Cycle	] (		
	new_dynamic						15 minutes	(	)	
Dynamic Routing										

Please refer the Dynamic Routing page for more details.

You can add Dynamic Routing for Egress Trunk by clicking on the Create New button. On the list of routing, check on the routing you want to select and click on Add button to save.

Click on Delete All to delete all the Dynamic Routing from this trunk or Delete Selected to remove the routing you selected.

#### Static Routing

This tab is used to config the static routing for this Egress Trunk.

All the calls go through this trunk have to follow this routing.

Screenshot: Static Routing

Page row:	10 • Show/Hide C	columns	+ Q. B.	0
	Static Route Name	Prefix	\$ Action	
	sourav_route123	12	00	
	egresspxpx_px_xppxppx	1	00	
		Static Routing		-

Please refer the Static Routing page for more details.

You can add Static Routing for Egress Trunk by clicking on the Create New button. On the list routing, select one from dropdown list the click Add button to save.

Click on Delete All to delete all the Dynamic Routing from this trunk or Delete Selected to remove the routing you selected.

#### **Ingress Capacity**

This tab is used to set capacity for the Ingress Trunk.

#### Screenshot: Ingress Capacity

Ingress	Trunk 👻	Search	Page row:	10 • Show/	Hide Columns 🔹 💌
Ingress Trunk		Max CPS	♦ Max CAP	Action	+ 🗈 - 2
	Pranoyl	2	23	00	
			Ingress Capacity		
Field Nan	ne Description				

Ingress Trunk	Select name of the Ingress Trunk
Max CPS	Set the maximum of Call Per Second on Ingress Trunk.
Max CAP	Set the maximum of CAP on Ingress Trunk.
Action	Action performed on records.

You can add Ingress Capacity by clicking on the Create New button.

Click on Delete All to delete all the Ingress Capacity or Delete Selected to remove the routing you selected.

# Ingress Trunk

Ingress Trunks is used to transfer the call from outside of system into inside. Ingress Trunk is added to Routing Plan to route the call.

This section help user to manage all Ingress trunks.

# **Ingress Trunks List**

By click on Route Trunks Ingress Trunk tab Main window of this section will be appeared by list of all available Ingress Trunks.

#### Screenshot: Ingress Trunks List

Host Port	Egress ID	Egress Name   🌲	Carriers 🌲	Call Limit	CPS Limit	Usage Count	Rate Table	PDD Timeout	Updated at	Updated By	Action
$\odot$	1422	muder	somm	1000		2	1476	6000	2017-12-30 13:50:46+0000	admin	
•	1423	new_egress	new_ec			3	1477	6000	2017-12-30 13:54:39+0000	admin	
					Ingress T	Frunks Lis	st				

ngress	Trunks	List
--------	--------	------

Column Name	Description	
Ingress ID	ID of Ingress Trunk.	
Ingress Name	The name of Ingress Trunk	
Carriers	Carriers owner this Ingress Trunk.	
Call Limit	Limit of calls on Ingress Trunk.	
CPS Limit	Limit of Call Per Second on Ingress Trunk	
Margin	The Margin for this Ingress Trunk.	
PDD Timeout	Post Dial Delay timeout.	
Update At	The last date/time when Ingress Trunk was updated.	
Update By	The last person who updating Ingress Trunk.	
Action	Action performed on Ingress Trunk.	

Button	Description				
	Is used to view Host Port of the	e trunk. Click on this icon, there Host Port			
	Host	IP	Port	CPS	
	7.9.8.6	7.9.8.6	4569		
	1.2.3.45	1.2.3.45	5060		

	Is used to send email to NOC email when the trunk is interrupted.			
0	Is used to save Ingress Trunk with all information as a template.			
<b>2</b>	Is used to activate/deactivate Ingress Trunk.			
Ø	Is used to edit Ingress Trunk.			
0	Is used to delete Ingress Trunk.			
Enter Search	Is used to query data by the name of Ingress Trunk.			
All	Is used to query data by the status of Ingress Trunk.			
Page row: 10 🔻	Is used to set the total of records per a page.			
Show/Hide Columns 🔹	Is used to select the column which will be shown/hidden.			
<123>	Is used to go to next, previous page. It is also used to go to the specific page by clicking on the number of page.			

# **Creating New Ingress Trunk**

Click on Create New button, new window will be appeared allow user to input all parameters and create new Ingress Trunk.

Screenshot: Creating New Ingress Trunk

# Add New Ingress Page

Back							+ Create New	By Template
ngress Name:	Cal	Limit:			PDD Timeout:		Carriers:	
Enter Name	Enter Call Limit		6000					
ledia Type:	Authorized:		Min Duration:		Max Duration:			
Bypass Media	• Au	uthorized b	y Host Onl	у •	0		3600	
ing Timer:	Min	. Profitabili	ity:		Active:		Multi-Host Routing Strategy:	
60	\$	0	Perce	ntage	True	T	Top Down	
nore Early Media:								
Done	•	Ignore Ear	ly NOSDP		Enable Glo	bal 404 Blocking	Enforce CID B	lock
	<							
	<							
0 items		🗌 0 iten	ns					
Onterns								
Add Host								
				Host			Port	Action
Add Host		<b>v</b>		Host			Port	Actio
← Add Host		•		Host			Port	Action
← Add Host Type IP Address		Code	CPS	Host	Rate Ta	ble	Port Route Plan	Action C

Field Name	Description
Egress Name	Name of Egress Trunk.

Carriers	Assign Egress Trunk for Carrier.							
Media Type	There are two types of Media:							
	Bypass Media	Takes place when the carrier establishes the call but removes itself from the media pathway						
	Proxy Media	The opposite of media bypass, the carrier remains in the media path for the duration of the call						
Min.Profitability	Set the minimun	t the minimum of Profitability of Egress Trunk. It count by percentage or fix value.						
Call Limit	Limit of Call through Egress Trunk.							
CPS Limit	Limit of Call Per Second through Egress Trunk.							
PDD Timeout	Post Dial Delay	Post Dial Delay timeout.						
Enable T38	Enable the T38	protocol for this trunk.						
Ignore Early Media	Ignore the Early	Media.						
Active	Status of Egress	Status of Egress Trunk: Activate or Deactivate.						
Min Duration	Minimum of Call	Minimum of Call Duration Time.						
Ignore Early NOSDP	Ignore the Early	Ignore the Early NOSDP						
Ring Time	Pass Location Routing Number to header.							
Max Duration	Maximum of Call Duration Time.							
Enable Global 404 Blocking	Enbale Glocal 404 Blocking.							
Use RPID as Caller ID	Use RPID as Caller ID.							
Enforce CID Block	Enforce CID Blo	Enforce CID Block for this trunk. Please refer CID Block for more details.						
Codecs	Select Codes fo	r encoding or decoding a digital data or call signal.						
Authorized	This form is disp	layed if Authorized by Host Only.						
	Hos Host Na	ame						
	t ID of he							
	IP IP of ho							
	Port Port nu	mber						
Add SIP User	This form is disp	olayed if Authorized by SIP Registration.						
	Usernam U e	Isername of SIP User.						
	Password of SIP User.							
Add Gateway Info	This form is disp	played if Authorized is Register to gateway.						
	IP II	P to register.						
	Port F	Port to register.						
	Expired E	Expired time for register.						
	Username L	Jsername to register.						
	Password F	Password to register.						
	SIP Profile S	Select SIP Profile.						

Add Routing and Tech-Prefix	Add Routing	and Tech-Prefix for Ingress Trunk
	Product Name	Name of Product. You can select from dropdown list or click on the + icon to create new one. Please refer Product page for more detail
	Tech- Prefix	Set the Tech-Prefix.
	Code	Set the code number.
	CPS	Set the total of Call Per Second allowed on this trunk.
	САР	Set the CAP allowed on this trunk.
	Rate Table	Set the Rate Table for this trunk.
	Route Plan	Select the Route Plan for this trunk.
	Action	Action performed on record.

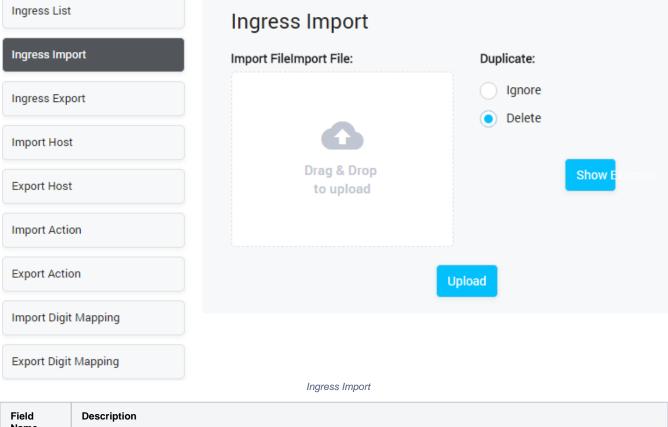
Filling out all parameters and click on Submit button to save. If not, click on Reset button to clear all fields.

User can also create new Ingress Trunk by Template. There is some default informations of Ingress Trunk in Template. User just input a little bit information such as name. Please refer Ingress Trunk Template for further infomations.

### **Ingress Import**

This section tab allow user to import many Ingress Trunks from Microsoft Excel \*.CSV or \*.XLS files. Click on **Ingress Import** tab, the window will be appeared as below:

Screenshot: Ingress Import



Name	
Import File	Select file to import. after uploading, <b>Show and Modify</b> button will be appeared allow user to show and modify all records before importing

Method	Action performed on duplicate records. Ignore or Delele
Example	Download example file.

# **Ingress Export**

Click on Ingress Export tab, the new window will be appeared allow user to download Egress Trunk List.

Screenshot: Ingress Export

Ingress List	Ingress Export	
Ingress Import	Data Format:	
Ingress Export	CSV	• With headers row
	Header Text:	Footer Text:
Import Host	Enter Header Text	Enter Footer Text
Export Host	ß	
Import Action		
Export Action	Column #1:	Column #2:
	trunk_id	▼ trunk_name ▼
Import Digit Mapping	Column #3:	Column #4:
Export Digit Mapping	carrier_name	▼ media_type ▼
	Column #5:	Column #6:
	cps_limit	▼ call_limit ▼

Ingress Export

Selecting the format of the export file. There are two types: CSV and XLS.

Checking on "with headers row" checkbox, the export file will have the header and footer row with text which is configured in Header Text and Footer Text textbox.

Select columns you want to export and click Download button. Click on Reset button to Reset and Back button to go back to Client List page.

Select format, header text, columns want to export and click Download button. Exported file will be downloaded as expected.

Import/Export Host, Action and Digit Mapping are similar to Import/Export Egress.

## **Deleting All**

Click on **Delete All** button to delete all billing rule in the system.

### **Deleting Selected**

Using the Select icon to select rule then click on Delete Selected button to delete all selected billing rule.

**Delete** function can be used to permanently remove a Billing Rule from the system. Please, use this feature with care – deleted Billing Rule cannot be restored by any means.

# **Ingress Trunk Details**

()

To view details of Ingress Trunk, click on Trunk Name, the window will be appeared as below:

Screenshot: Ingress Trunk Details

Trunk Info	[ingress_	_trunk_	1801	07_1]
------------	-----------	---------	------	-------

🕤 Bacl	k
Tr	unk Info 🔶 Limit 🔶 LRN Digit Modifier 🔶 Action 🔶 Digit Mapping 🔶 Disconect Code
🛶 Fa	ail-over Rules 🛶 Allowed Send - To IP 🛶 PASS 🛶 Billing > Replace Action
	Basic Info
	Ingress Name:
	ingress_trunk_18010
	Carriers:
	sourav_resource_test4 •
	Media Type:
	Bypass Media
	Min. Profitability:
	\$ Percentage
	Call Limit:
	Enter Call Limit
	CPS Limit:
	Enter CPS Limit
	Active:
	True
	✓ T.38
	Authorized:
	Authorized by Host Only 🔻
	Use RPID as Caller ID
	Enforce CID Block
	Ignore Early Media:
	None v
	Ignore Early NOSDP

Туре				He	ost			Port		Action
IP Address	¥	1.2	.3.4				1234			
⊕ Add Routing an	d Tech-	Prefix								
Product Name		ech refix C	ode	CPS	CAP		Rate Table		Rou	te Plan
By Rate and Route Plan	•	ç				arping_ra	ate	v	arping_rate	
4										
Multi-Host Routing Strategy: Top Down Min Duration: 0 Max Duration: 3600 Ring Timer:	•									
60										
odecs										
Codecs						Selecte	d Codecs			
No data						No data				

O items		O items	
	Submit	Reset	

This page display information of Ingress Trunk as well as all related configuration. Clicking on fields that you want modify to edit. Then click on **Submit** button to save.

#### Limits

This tab is used to set the limit values for the Ingress Trunk.

Screenshot: Limits

### Call Limit:

0

# CPS Limit:

0

# ANI CPS Limit:

Enter ANI CPS Limit

### ANI CAP Limit:

Enter ANI CAP Limit

# DNIS CPS Limit:

Enter DNIS CPS Limit

## DNIS CAP Limit:

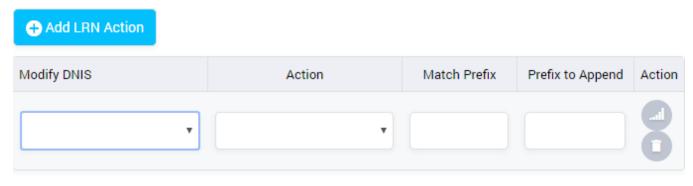
Enter DNIS CAP Limit

Limits

Field Name	Description
Call Limit	Set the call limit on this trunk.
CPS Limit	Set the Call Per Second limit on this trunk.
ANI CPS Limit	Set the Call Per Second limit of caller number on this trunk.
ANI CAP Limit	Set the CAP Limit of caller number on this trunk.
DNIS CPS Limit	Set the total Call Per Second of callee number on this trunk.
DNIS CAP Limit	Set the CAP Limit of callee number on this trunk.

### This tab is used to set the rule to modify the DNIS number.

### Screenshot: LRN Digit Modifier



Submit	Reset
LRN D	igit Modifier

Field Name	Description
Modify DNIS	Before Send to LRN Server: Modify the DNIS number before sending to LRN Server.
	After receive from LRN Server: Modify the DNIS number after receiving from LRN Server.
Action	Set the action performed on the DNIS number: Add Prefix, Delete Prefix, Add Suffix and Delete Suffix.
Match Prefix	Set the criteria for DNIS. If the DNIS has the prefix match with this value, action will be performed.
Prefix to Append	Set the prefix will be added/removed to DNIS number.
Action	Action performed on record.

#### Action

This tab is used to set the action will perform if there is a call go through this Ingress Trunk.

#### Screenshot: Action

+ Add Action								
Time Profile	Target	Code	Action	Chars to Add	Num of chars to Del	Number Type	Number Length	Action
TESTT V	AI V	12	Add Pre 🔻		Ţ	> •	12	
aty_time 🔻	DI 🔻	122	Delete F 🔻		19 <b>v</b>	= •	12	
			Submit		Reset			
				Action				

Field Name	Description
Time Profile	Select the time profile when the action is effective.
Target	The target of action. Actions will be performed on this object. it includes: ANI/DNIS.
Code	Set the code.

Action	The action includes: Add Prefix, Delete Prefix, Add Suffix and Delete Suffix.
Chars to Add	Set the characters will be add to ANI/DNIS.
Num of chars to Del	Set the total of characters will be remove from ANI/DNIS.
Number Type	Set the condition to triggered action.
Number Length	Set the number length. It will combine with Number Type. If the Number meet the condition, the action will be triggered.
	Is used to change the oder of action by moving down. The top action will be given the priority.
1	Is used to change the oder of action by moving up. The top action will be given the priority.
	Is used to delete the action.

### **Digit Mapping**

This tab is used to add the Digit Mapping for the Ingress Trunk

### Screenshot: Digit Mapping

Time Profile	*	Search	Page row:	10	*	Show/Hide Colu	mns 🔻	₽.	C
Time Profile		\$	C	igit Mappin	g	\$	Ļ	Action	
			No Data Fou	nd					
			Digit Mappin	g					

Select Time Profile when the Digit Mapping take effect. Then select the Digit Mapping and click on Submit button to save.

Please refer Digit Mapping page for more details.

#### Disconect Code

This part is used to define the Code which causes of disconnect.

Screenshot: Disconect Code

Description	▼ Search			Page row:	10 • Show/H	lide Columns	-
Description	Response	Code	Default Code	Default Response	Action	+ 🖫 -	C
	Enter Respons	Enter Code					
			Discon	ect Code			

Column Name	Description
Description	Description of disconect error.
Response	The disconect error response sends to the client. It is defined by user.
Code	The disconect error code sends to the client. It is defined by user.
Default Code	The Default Code. If there is no User-defined Response, this rule will be applied.
Default Response	The Default Response. If there is no User-defined Response, this rule will be applied.
Action	The action performed on the record.

Fail-over Rule

Failover is switching to a redundant or trunk, host upon the failure or abnormal termination of the previous call. This section is used to define the Rule to do the Failover

Fail Over Method	Ŧ	Search		Page row:	10	•	Show/Hide Columns	•	+	•	C
Fail Over Method	Match Egress Return Code		Ingress Resp	onse Code	User-defir	ned code	User defined Response		Ac	tion	
No Data Found											
Fail-over Rule											

For more information, please refer Fail-over Rule page.

#### Allowed Send - To IP

Screenshot: Fail-over Rule

Each switch may be listeend to multiple SIP IP. This field to let user to define the IP address(es) that is allowed for this ingress to send to. If not set, then this ingerss can send to all the switch's SIP IP addresses.

Screenshot: Allow Send - To IP

VOIP Gateway 💌	Search	Page row:	10	Show/Hide Colu	imns	-
VOIP Gateway	\$	IP	\$	Action	-	C
	No Data Fo	und				
	Allov	/ Send - To IP				

Allow Seria - To

### PASS

This tab is used to set the condition to pass the call

Screenshot: Pass

Field Name	Description
RPID	Never: Do not pass Remote part ID to the egress side
	Pass Through: Always pass Remote part ID to the egress side if it exists in the ingress SIP INVITE header
	Updating the Caller Number: Map the Caller Number to Remote part ID and pass to egress side
Enable PAID	Never: Do not pass P-Asserted ID to the egress side
	Pass Through: P-Asserted ID to the egress side if it exists in the ingress SIP INVITE header
	Updating the Caller Number: Map the Caller Number to P-Asserted ID and pass to egress side
Enable OLI	Never: Do not pass Origination Line Info to the egress side
	Pass Through: Always pass Origination Line Info to the egress side if it exists in the ingress SIP INVITE header
Enable PCI	
Enable PRIV	Never: Do not pass Privacy Header to the egress side
	Pass Through: Always pass Privacy Header to the egress side if it exists in the ingress SIP INVITE header
Enable DIV	Never: Do not pass SIP Division Header to the egress side
	Pass Through: Always pass SIP Division Header to the egress side if it exists in the ingress SIP INVITE header
Display Name	

# Billing

This tab is used to set the way to count the amount in billing.

### Screenshot: Billing

Rounding:	
Up	•
Rounding Decimal Places:	
б	
Determine Jurisdiction By:	
LRN	•
Billing	

Field Name	Description			
Use RPID as Caller ID	Use RPID display on UI as Caller ID.			
Rounding	The way to rounding the Decimals.			
	Up: For example 5.5 will be rounded up to 6			
	Down: For example 5.5 will be rounded down to 5			
Rounding Decimal Places	The position of a digit to the right of a decimal point which will be rounded.			
Determine Jurisdiction By	There are two options:			
	LRN: Determine by Location Routing Number			
	<b>DNIS:</b> Determine by the number of callee.			

### **Replace Action**

This tab is used to define the action the replace the ANI/DNIS number by the others one when it meet criteria.

Screenshot: Replace Action

# **Replace Action**



		ANI Manipulation				DNIS Manipulation			
Туре		Match Criteria		Change to	Match Criteria			Change to	Action
	ANI Prefix	ANI Min Length	ANI Max Length	Change to ANI	DNIS Prefix	DNIS Min Length	DNIS Max Length	Change to DNIS	
ANI	<b>v</b>								0
4									۱.

Field Name	Description			
Туре	Type of object that the action will be applied to. It includes: ANI, DNIS and Both.			
Prefix	Set the prefix criteria. If the ANI has prefix match with this value, the action will be performed.			

Min	Set the min of ANI length. If the length of ANI in this range (between min and max), the action will be performed.				
Мах	Set the max of ANI length. If the length of ANI in this range (between min and max), the action will be performed.				
Change To	Define the action by providing the number. If match criteria, this number will replaced old ANI number.				
Prefix	Set the prefix criteria. If the DNIS has prefix match with this value, the action will be performed.				
Min	Set the min of DNIS length. If the length of DNIS in this range (between min and max), the action will be performed.				
Мах	Set the max of DNIS length. If the length of DNIS in this range (between min and max), the action will be performed.				
Change To	Define the action by providing the number. If match criteria, this number will replaced old DNIS number.				
Action	Action performed on the record.				

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