PEERING ONE GXW42XX WITH MULTIPLE GXW410X

A common scenario which involves a GXW42xx (FXS gateway) and multiple GXW410x (FXO gateway) but doesn't involve any SIP server. This scenario allows organization with remote location to access FXO trunks through IP network.

CONFIGURATION OF THE GXW42XX & MULTIPLE GXW410XX SCENARIO

GXW42XX CONFIGURATION

Profile 1

General Settings:

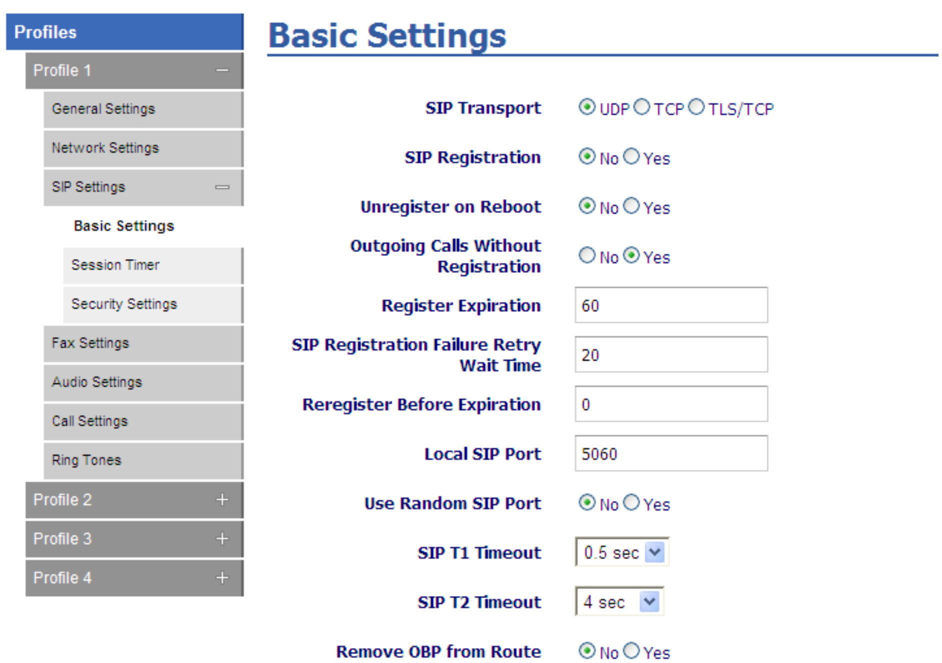
- SIP server – Set to IP address of 1st GXW 410x

SIP Settings –> Basic Settings:

- SIP registration - No
- Local Port - 5060
- Outgoing Call without Registration – NO
- NAT traversal – No

Advanced settings :

- STUN Server – Blank



Profile 2

General Settings:

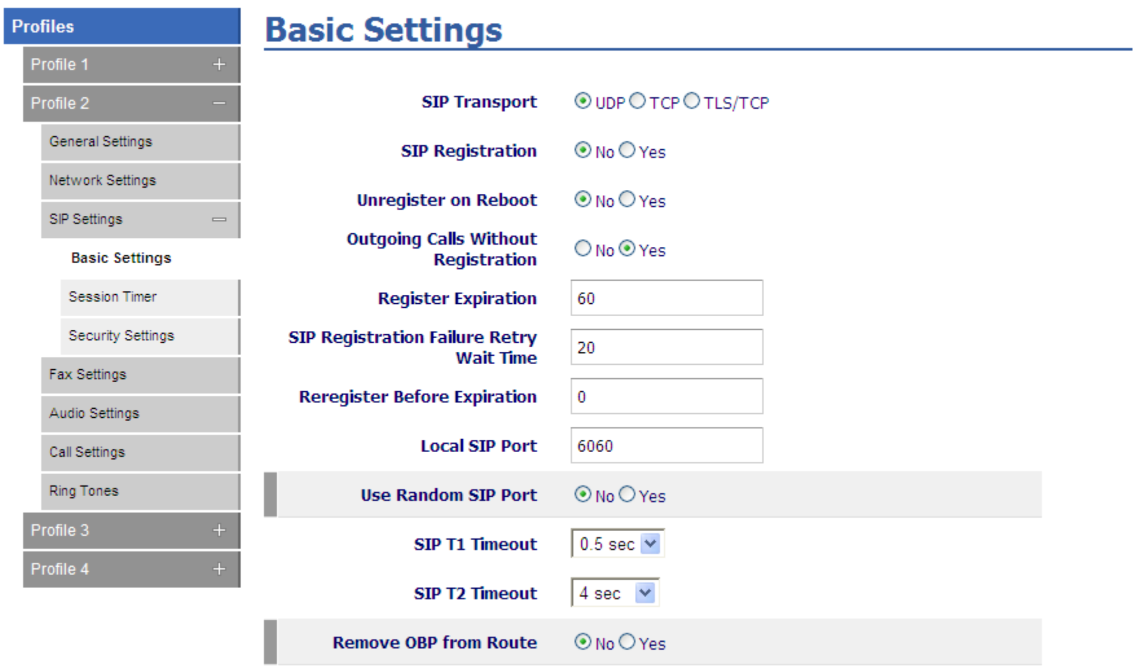
- SIP server – Set to IP address of 2nd GXW 410x

SIP Settings –> Basic Settings:

- SIP registration - No
- Local Port - 6060
- Outgoing Call without Registration – NO
- NAT traversal – No

Advanced settings:

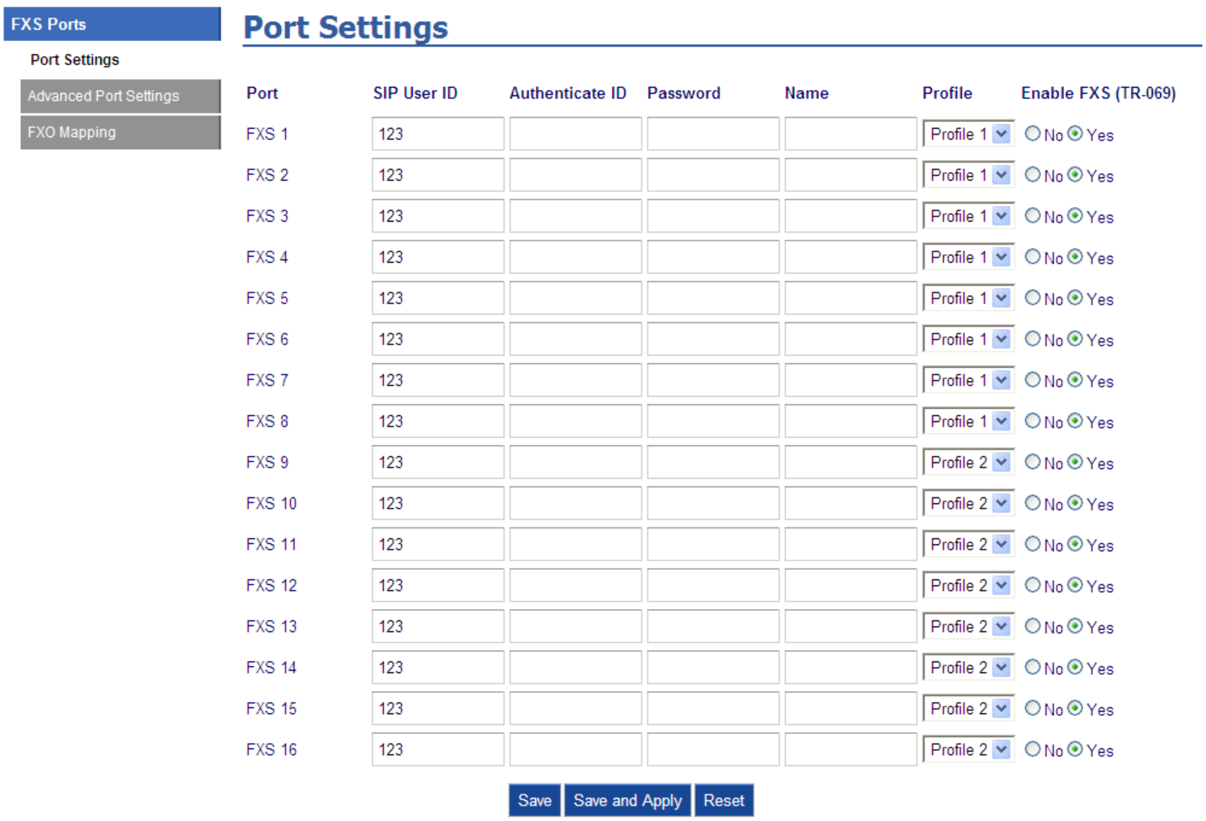
- STUN Server – Blank



FXS Ports:

Port Settings:

- Port 1 - 8 -> User ID : 123
- Port 1 – 8 -> Profile 1
- Port 1 – 8 -> Enable FXS – Yes
- Port 9 - 16 -> User ID : 123
- Port 9 – 16 -> Profile 2
- Port 9 – 16 -> Enable FXS – Yes



Port	SIP User ID	Authenticate ID	Password	Name	Profile	Enable FXS (TR-069)
FXS 1	123				Profile 1	No / Yes (selected)
FXS 2	123				Profile 1	No / Yes (selected)
FXS 3	123				Profile 1	No / Yes (selected)
FXS 4	123				Profile 1	No / Yes (selected)
FXS 5	123				Profile 1	No / Yes (selected)
FXS 6	123				Profile 1	No / Yes (selected)
FXS 7	123				Profile 1	No / Yes (selected)
FXS 8	123				Profile 1	No / Yes (selected)
FXS 9	123				Profile 2	No / Yes (selected)
FXS 10	123				Profile 2	No / Yes (selected)
FXS 11	123				Profile 2	No / Yes (selected)
FXS 12	123				Profile 2	No / Yes (selected)
FXS 13	123				Profile 2	No / Yes (selected)
FXS 14	123				Profile 2	No / Yes (selected)
FXS 15	123				Profile 2	No / Yes (selected)
FXS 16	123				Profile 2	No / Yes (selected)

1ST GXW 410X CONFIGURATION:

Advanced Settings:

- STUN server – Blank
- Use Random Port – No

FXO lines:

Channel dialing to PSTN:

- Wait for dial tone – Y or N (whichever suits your FXO lines)
- Stage Method – 1

Channel dialing to VOIP -> Unconditional call forward:

- User ID: ch1-8:123;
- Sip Server: ch1 – 8; p1;
- Sip Destination Port: 5060++
- Number of Rings Before Pickup : ch1 – 8:4;

Profile 1:

- SIP Server: Set it to IP address of GXW42xx
- SIP registration – No
- NAT traversal – No

Channel Dialing to PSTN

1. Wait for Dial-Tone(Y/N):	ch1-8:N;	(default No)
2. Stage Method(1/2):	ch1-8:1;	(default 2 - 2 stage dialing)
3. Min Delay Before Dialing Out:	ch1-8:500;	(default 500ms, range 50 ~ 65000ms)

Channel Dialing to VoIP

1. Unconditional Call Forward:

User ID:		ch1-8:123;	(i.e ch1-2:223;ch3:224)
Sip Server:	@	ch1-8:p1;	(ch1-2:p1;ch3:p2)
Sip Destination Port:	:	ch1-8:5060++;	(ch1-2:5060;ch2:7080)

PSTN to VOIP Caller ID Setting

1. Number of Rings Before Pickup:	ch1-8:4;	(1-50, default 4)
2. Caller ID Scheme:	ch1-8:1;	(1-11, default 1)

2ND GXW 410X CONFIGURATION:

Advanced Settings:

- STUN server – Blank
- Use Random Port – No

FXO lines:

Channel dialing to PSTN:

- Wait for dial tone – Y or N (whichever suits your FXO lines)
- Stage Method – 1

Channel dialing to VOIP -> Unconditional call forward:

- User ID: ch1-8:123;
- Sip Server: ch1 – 8; p1;
- Sip Destination Port: 6060++
- Number of Rings Before Pickup : ch1 – 8:4;

Profile 1:

- SIP Server: Set it to IP address of GXW42xx
- SIP registration – No
- NAT traversal – No

Channel Dialing to PSTN

1. Wait for Dial-Tone(Y/N):	ch1-8:N;	(default No)
2. Stage Method(1/2):	ch1-8:1;	(default 2 - 2 stage dialing)
3. Min Delay Before Dialing Out:	ch1-8:500;	(default 500ms, range 50 ~ 65000ms)

Channel Dialing to VoIP

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Sip Server:	@	ch1-8:p1;	(ch1-2:p1;ch3:p2)
Sip Destination Port:	:	ch1-8:6060++;	(ch1-2:5060;ch2:7080)

PSTN to VOIP Caller ID Setting

1. Number of Rings Before Pickup:	ch1-8:4;	(1-50, default 4)
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