

Internet Telephony PBX System

**IPX-2000/1800 Series
Trunk Balance Configuration**



- If a usergroup associated with many sip trunks or PSTN trunks. We can assign weight to trunks in a trunk balance group for an outgoing call.
- Trunks with the same group ID must be put & selected together, or the function will not work.
- **Select User Management -> User Group to configure Trunk Balance.**
 - The trunks within same balance group should be associated with the same route group.

:: USER GROUP MANAGEMENT

	Group ID	Description	Associated SIP Trunks	Associated PSTN Trunks	Reachable User Groups	Associated PBX Features	Member List
<input type="checkbox"/>	UG_DEF			pstn1	UG_DEF	mm , parkedcalls , vm	User:admin , User:voip
<input type="checkbox"/>	UG_ENM		1000	pstn1 , pstn2	UG_ENM	mm , parkedcalls , vm	Callers_from_SIP_Trunk:1000 , Callers_from_PSTN_Trunk:pstn1 , Callers_from_PSTN_Trunk:pstn2

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1. Click a group ID.

Status:

:: USER GROUP MANAGEMENT

Group ID	UG_ENM			SET
Description				
Associated Trunks	1000 pstn1 pstn2	Group ID	Weight	ADD DEL
Reachable User Groups	UG_DEF UG_ENM	0		
Member List	Callers_from_SIP_Trunk:1000 Callers_from_PSTN_Trunk:pstn1 Callers_from_PSTN_Trunk:pstn2	0 1 2 3 4 5 6 7 8 9		

BACK

Status: Setup OK!, Return Code : 0

2. Select a outbound SIP trunk or PSTN trunk accessible by this usergroup.

3. The default number is "0". A trunk with Group ID "0" does not form a balance group with any other trunks in Group 0. If Group ID is 1~9, trunks with the same Group ID could form a balance group.

:: USER GROUP MANAGEMENT

Group ID	UG_ENM			
Description	<input type="text"/>		<input type="button" value="SET"/>	
Associated Trunks	<div style="border: 1px solid blue; padding: 2px;">1000 pstn1 pstn2</div>	Group ID	Weight	<input type="button" value="ADD"/> <input type="button" value="DEL"/>
		<input type="text" value="1"/> ▼	<input type="text" value="10"/>	<input type="text"/>
Reachable User Groups	<div style="border: 1px solid blue; padding: 2px;">UG_ENM UG_ENM</div>	<input type="button" value="ADD"/>	<div style="border: 1px solid blue; padding: 2px;">UG_ENM</div>	
Number List	<div style="border: 1px solid blue; padding: 2px;">mm parkedcalls vm</div>	<input type="button" value="ADD"/>	<div style="border: 1px solid blue; padding: 2px;">mm parkedcalls vm</div>	
Caller List	<div style="border: 1px solid blue; padding: 2px;">0 Calls_from_PSTN_Trunk_pstn1 Calls_from_PSTN_Trunk_pstn2</div>	<input type="button" value="ADD"/>	<div style="border: 1px solid blue; padding: 2px;">0 Calls_from_PSTN_Trunk_pstn1 Calls_from_PSTN_Trunk_pstn2</div>	

Status: Setup OK!, Return Code : 0

4. Enter a weight number of the trunk.
Weight: the weight of the trunk that will be selected in a trunk balance group for an outgoing call.

5. Click **Add**.

:: USER GROUP MANAGEMENT

Group ID	UG_ENM																
Description	<input type="text"/>	<input type="button" value="SET"/>															
Associated Trunks	<table border="1"> <tr> <td>1000</td> <td>Group ID</td> <td>Weight</td> <td><input type="button" value="ADD"/></td> </tr> <tr> <td>pstn1</td> <td>0</td> <td><input type="text"/></td> <td><input type="button" value="DEL"/></td> </tr> <tr> <td>pstn2</td> <td></td> <td></td> <td></td> </tr> </table>	1000	Group ID	Weight	<input type="button" value="ADD"/>	pstn1	0	<input type="text"/>	<input type="button" value="DEL"/>	pstn2				<table border="1"> <tr> <td>1000,1,10</td> </tr> <tr> <td>pstn1,1,5</td> </tr> <tr> <td>pstn2,1,5</td> </tr> </table>	1000,1,10	pstn1,1,5	pstn2,1,5
	1000	Group ID	Weight	<input type="button" value="ADD"/>													
pstn1	0	<input type="text"/>	<input type="button" value="DEL"/>														
pstn2																	
1000,1,10																	
pstn1,1,5																	
pstn2,1,5																	
Reachable User Groups	<table border="1"> <tr> <td>UG_DEF</td> <td><input type="button" value="ADD"/></td> <td>UG_ENM</td> </tr> <tr> <td>UG_ENM</td> <td><input type="button" value="DEL"/></td> <td></td> </tr> </table>	UG_DEF	<input type="button" value="ADD"/>	UG_ENM	UG_ENM	<input type="button" value="DEL"/>											
UG_DEF	<input type="button" value="ADD"/>	UG_ENM															
UG_ENM	<input type="button" value="DEL"/>																
Associated PBX Features	<table border="1"> <tr> <td>mn</td> <td><input type="button" value="ADD"/></td> <td>mn</td> </tr> <tr> <td>parkedcalls</td> <td><input type="button" value="DEL"/></td> <td>parkedcalls</td> </tr> <tr> <td>vm</td> <td></td> <td>vm</td> </tr> </table>	mn	<input type="button" value="ADD"/>	mn	parkedcalls	<input type="button" value="DEL"/>	parkedcalls	vm		vm							
mn	<input type="button" value="ADD"/>	mn															
parkedcalls	<input type="button" value="DEL"/>	parkedcalls															
vm		vm															
Members	<table border="1"> <tr> <td>Callers from SIP Trunk:1000</td> </tr> <tr> <td>Callers from PSTN Trunk:1000</td> </tr> </table>		Callers from SIP Trunk:1000	Callers from PSTN Trunk:1000													
Callers from SIP Trunk:1000																	
Callers from PSTN Trunk:1000																	

6. You can see the trunk with its weight in the list.

In this case, the total weight is $10+5+5=20$.

SIP_1000 trunk has 50% chance to be selected for an outgoing call, and both PSTN1 trunk and PSTN2 trunk have 25% chances.

ACTIVATING IP POWER

