

SIP Trunk Load Balancing

Step 1 - Make SIP Trunks

Go to Configuration->Signaling->SIP Trunks and add the two or more trunks you wish to use in the load balancing.

Home / Configuration / Signaling / SIP Trunks

Name	Domain	SIP Profile		
trunk1.freepbx.com	trunk1.freepbx.com	Internal	Edit	Delete
trunk2.freepbx.com	trunk2.freepbx.com	Internal	Edit	Delete
Add				

Step 2 - Make Load Balancing List

Go to Configuration->Routing->Load Balancing and click on the SIP Trunk List tab. Then click the Add button at the bottom.

Home / Configuration / Routing / Load Balancing

Load Balancing

Enable Load Balancing Disable

Edit

Generic list SIP Trunk List

No SIP Trunk List

Add

Give the trunk a name and click Add.

Load Balancing : Add SIP Trunk List

New SIP Trunk List

Add Cancel

Ensure the list is enabled and click Save to create the list.

SIP Trunk List - SIP-Station

Enable List ⓘ

Description

Next click the Add button to add the first trunk to the list.

SIP Trunk List - SIP-Station

Enable List	Description
Enable	

Resource

No Resource

Select the SIP trunk from the drop down menu, then provide a weight. Here we use a weight of 1 because all trunks will have the same weight to keep the usage the same. Click the Save button once complete.

Resource - Resource_71

SIP Trunk ⓘ

Weight ⓘ

Description

Now the first trunk will be in the SIP trunk list. Click Add to add the next trunk into the list.

SIP Trunk List - SIP-Station

Enable List	Description
Enable	

Resource

Showing 1 to 1 of 1 entries

SIP Trunk	Weight	Description
trunk1.freepbx.com	1	

Select the next SIP trunk from the drop down menu, then provide a weight. Once done click the Save button.

Home / Configuration / Routing / Load Balancing / SIP-Station / Resource / resource_72

Resource - Resource_72

SIP Trunk

Weight

Description

Now the list is complete as it has both of the SIP trunks. If you are adding more SIP trunks then verify all of them are added at this point before proceeding.

Home / Configuration / Routing / Load Balancing / SIP-Station

SIP Trunk List - SIP-Station

Enable List Enable

Description

Resource

10 Showing 1 to 2 of 2 entries

SIP Trunk	Weight	Description	
trunk1.freepbx.com	1		<input type="button" value="Edit"/> <input type="button" value="Delete"/>
trunk2.freepbx.com	1		<input type="button" value="Edit"/> <input type="button" value="Delete"/>

Step 3 - Configure Routing

Below is your typical route to a SIP trunk. The difference is the action is "Bridge to Distributor" because this is our load balancer. Next the list made previously is selected. This dial plan now will load balance between the SIP trunks.

Rule - Rule_73

Condition

Description Rank

Matching Stop Policy

Condition Name Expression

Actions to perform if condition matches

Action List Destination

Actions to perform if condition doesn't match

Action