

Topic / Issue: Configuring PBXnSIP with multiple E1/FXO Gateways

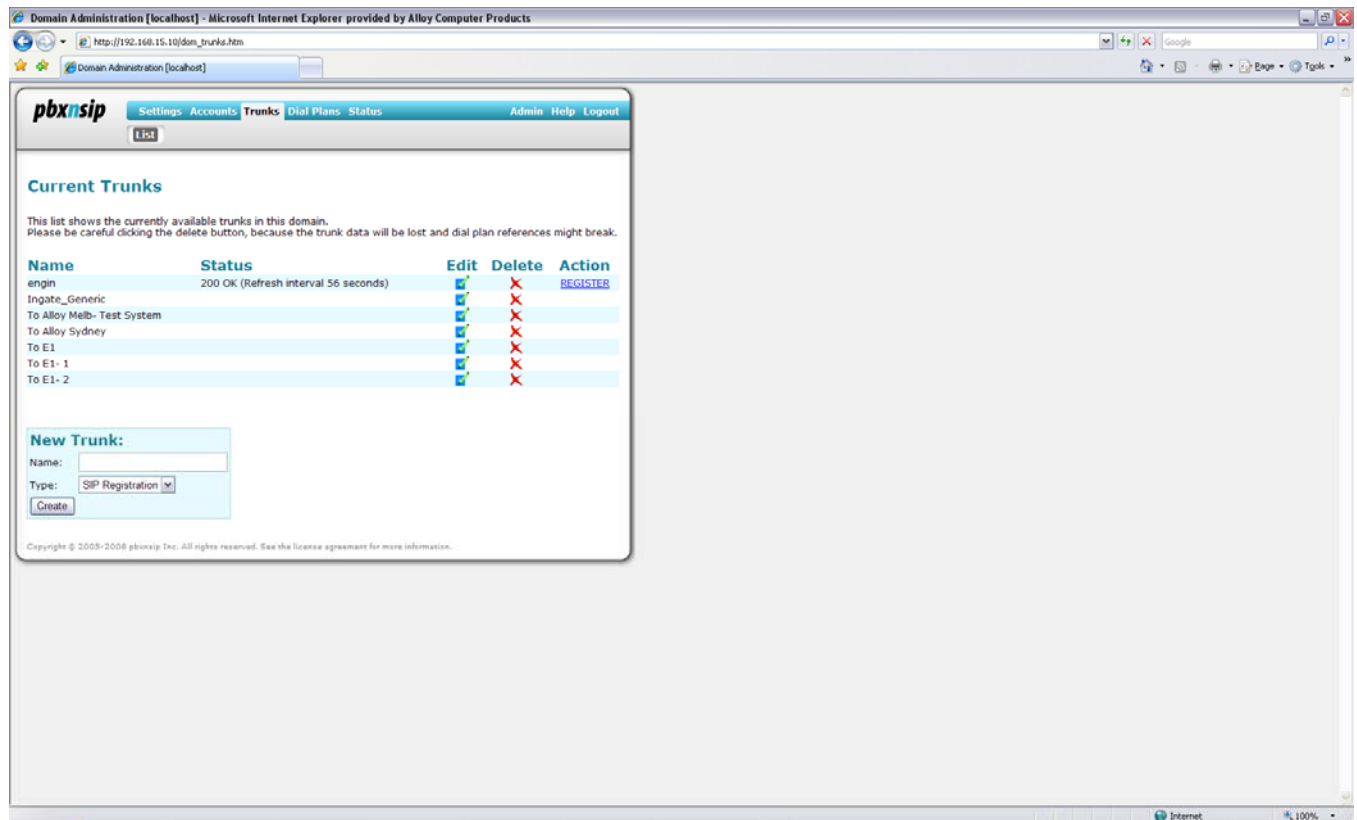
Written By: Steven Sismanis

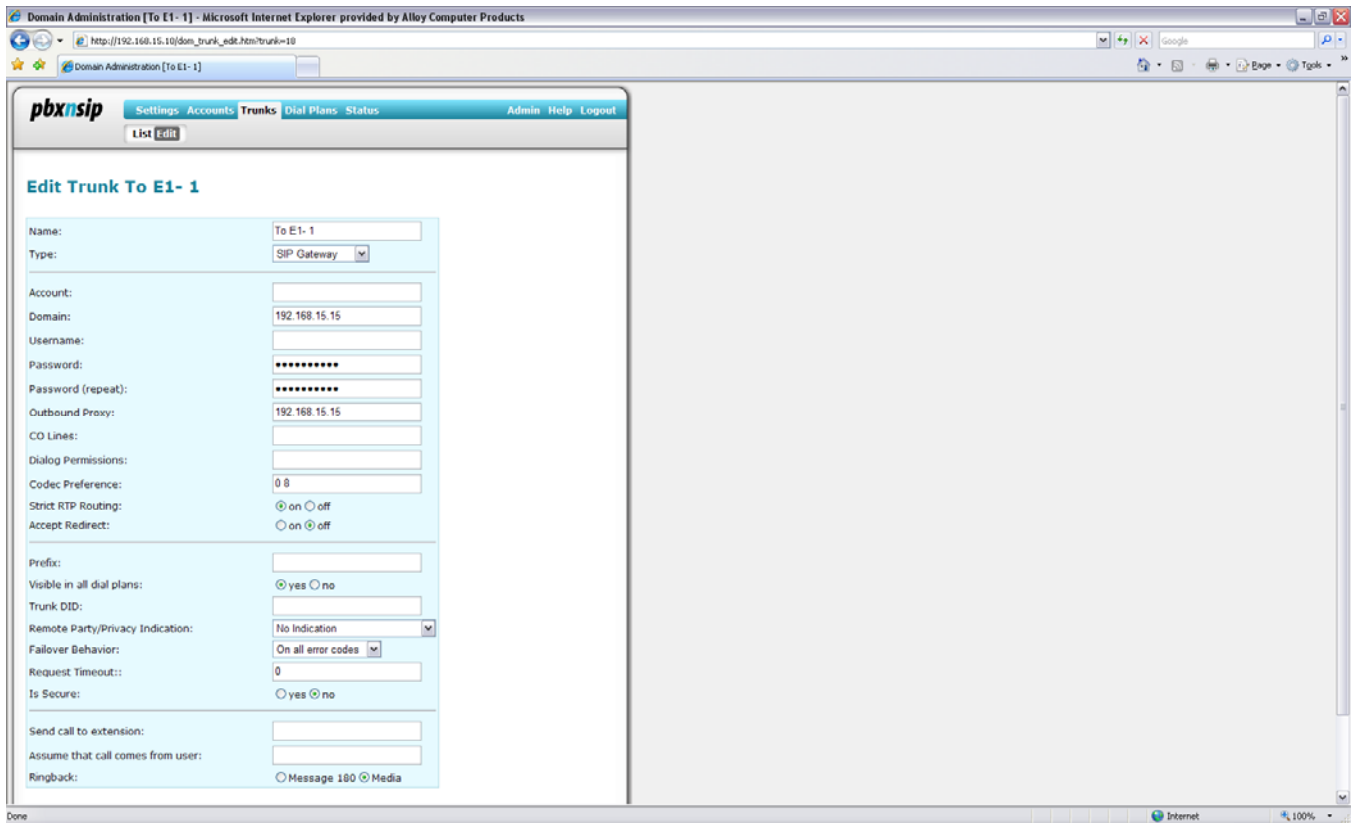
This guide outlines the configuration required to configure multiple Gateways with PBXnSIP for additional ISDN or FXO lines.

Create the additional trunks that you require in the Trunks section.

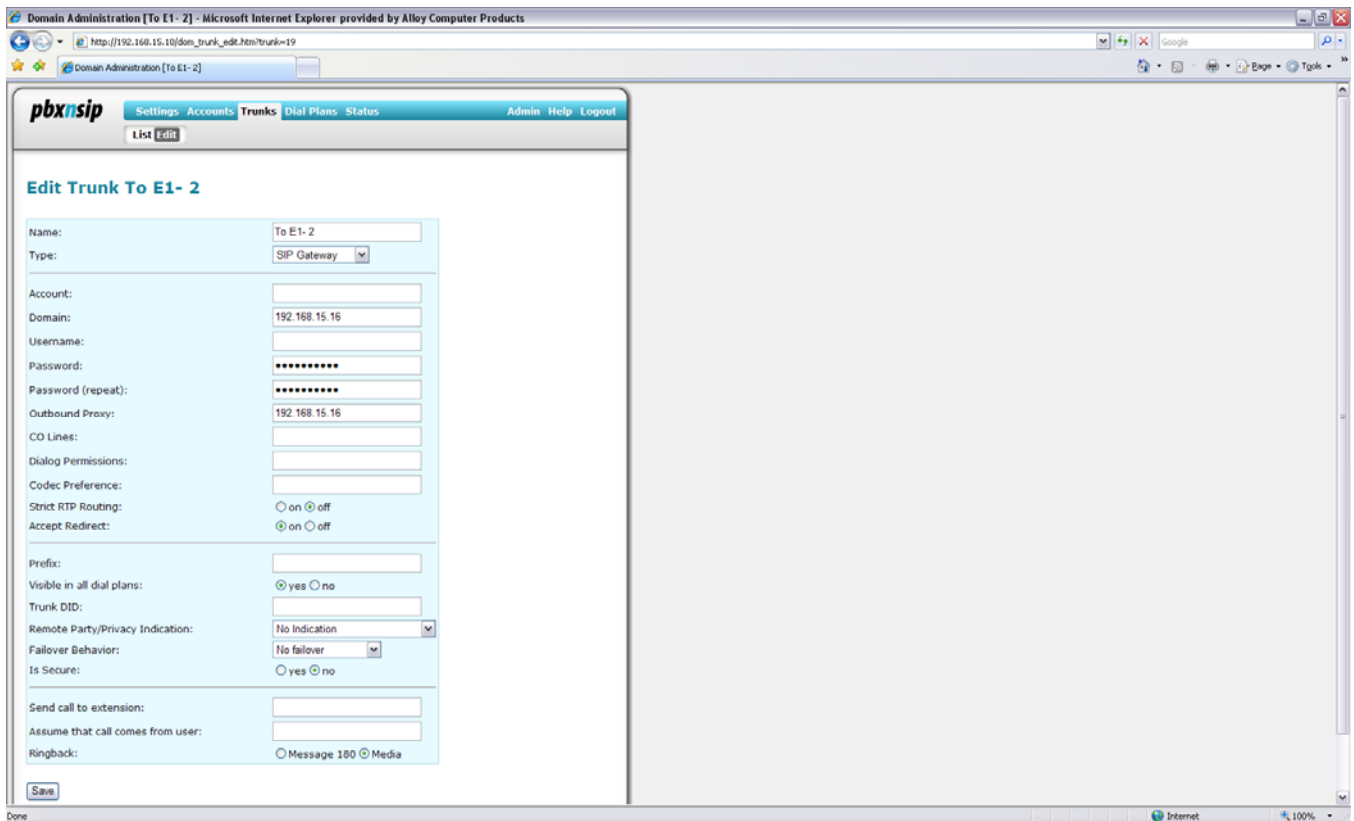
Make sure you set the type as "Sip Gateway" and both the "Domain" and "Outbound Proxy" fields have the gateways LAN IP address entered in correctly.

See screenshots below:





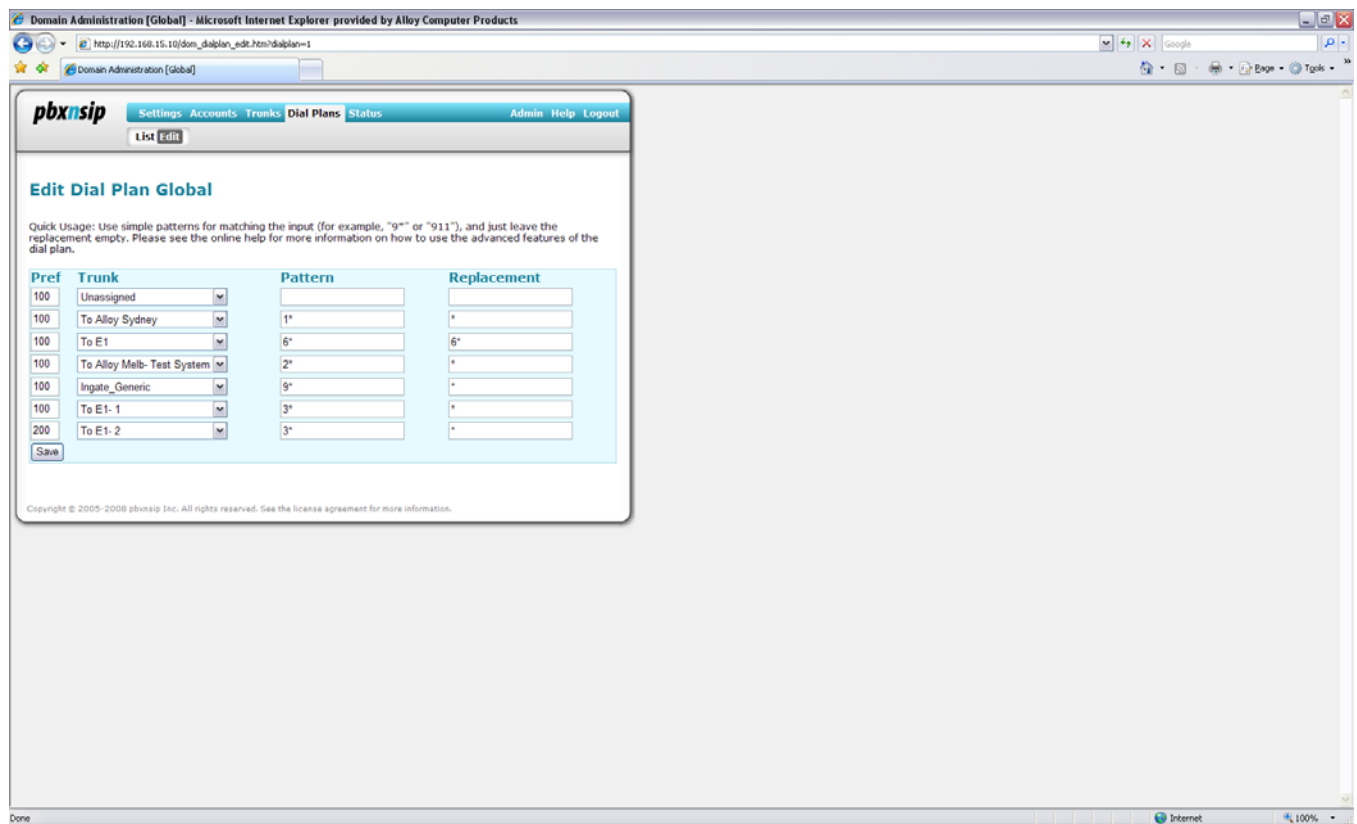
In trunk 1 you will need to set the Failover Behaviour to "On all error codes" and the Request Timeout to "0". This will ensure a seamless failover to the second gateway.



Once you have created the trunks go to the Dial Plans section, select the gateways in the trunks column and assign them an identical pattern and replacement.

Set the "Pref" columns differently so when the trunk receives an error code (when all channels are in use), it will send the call back to the dial plan and continue the next best match to the pattern dialled.

PBXnSIP will match the dial plan with the next highest priority, any entries with a lower or same priority are not used, therefore it is very important to set the Pref column as a higher value for the second trunk.



The screenshot shows the PBXnSIP web interface in Microsoft Internet Explorer. The page title is "Edit Dial Plan Global". Below the title is a "Quick Usage" note. The main content is a table with four columns: "Pref", "Trunk", "Pattern", and "Replacement". The table contains the following entries:

Pref	Trunk	Pattern	Replacement
100	Unassigned		
100	To Alloy Sydney	1*	*
100	To E1	6*	6*
100	To Alloy Melb- Test System	2*	*
100	Ingate_Generic	9*	*
100	To E1- 1	3*	*
200	To E1- 2	3*	*

At the bottom of the table is a "Save" button. The footer of the page reads "Copyright © 2005-2008 pbxnSIP Inc. All rights reserved. See the license agreement for more information."

This configuration will allow you to utilise multiple gateways from your PBXnSIP server whilst dialing the same prefix for ease of use, if the first trunk is in use it will automatically failover to the second trunk.

Note: Your Gateway will require its relevant configuration to be setup to accept and forward calls out via ISDN or FXO ports from PBXnSIP.