

Callacloud SIP Trunk

Configuration with Yeastar S-Series

Configuring a VoIP Trunk

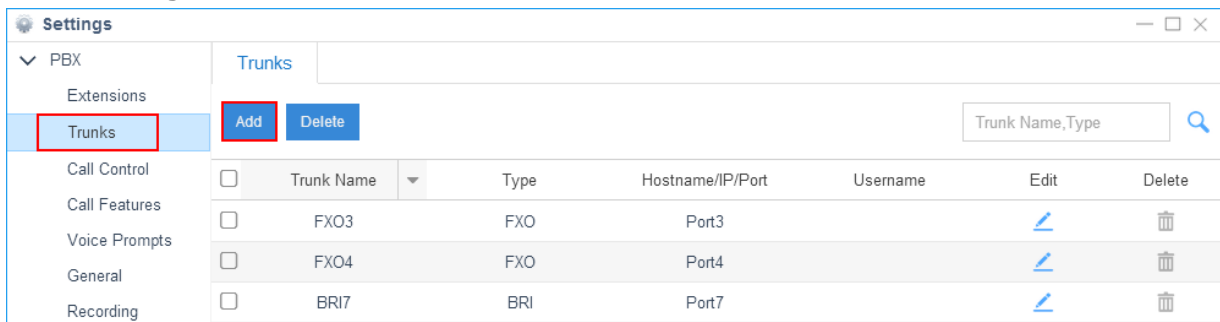
Step 1: Create an Account with the Callacloud VoIP Provider

To start with, you need to have an account from the Callacloud VoIP provider. Please visit the website to get a SIP account: <http://www.callacloud.com/>.

Step 2: Add the VoIP Provider Account in MyPBX

After you get the VoIP provider account, you need to configure the account in Yeastar S-Series.

1. Go to **Settings > PBX > Trunks**, click **Add**.



2. Enter the SIP account details into the pop-up window.

Add VoIP Trunk

Basic | Codec | Advanced | DOD

Protocol: SIP

Trunk Type: Register Trunk

Provider Name: Callacloud

Transport: UDP

Hostname/IP: siptrunk.callacloud.com : 5060

Domain: siptrunk.callacloud.com

Username: [Redacted]

Password: [Redacted]


Authentication Name: [Redacted]

From User: [Redacted]

Enable Outbound Proxy

- **Protocol:** SIP
- **Trunk Type:** Register Trunk
- **Provider Name:** give a name for the VoIP trunk.
- **Transport:** UDP
- **Hostname/IP:** siptrunk.callacloud.com
- **Domain:** siptrunk.callacloud.com
- **Username:** your Callacloud Account user name
- **Authorization Name:** the same as the user name
- **Password:** your Callacloud Account password

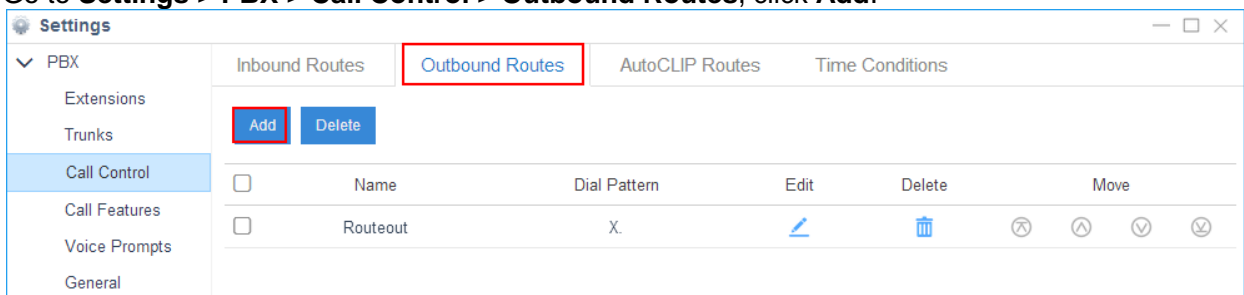
- Click **Save** button and **Apply**. Go to **PBX Monitor** App to check if the Service Provider trunk is connected successfully.

Trunks			
Status	Trunk Name	Type	Hostname/IP/Port
	Callacloud	SIP-Register	siptrunk.callacloud.com

Outbound Route with Callacloud SIP Trunk


To make outbound calls via the new created SIP trunk, you need configure an outbound route for the trunk.

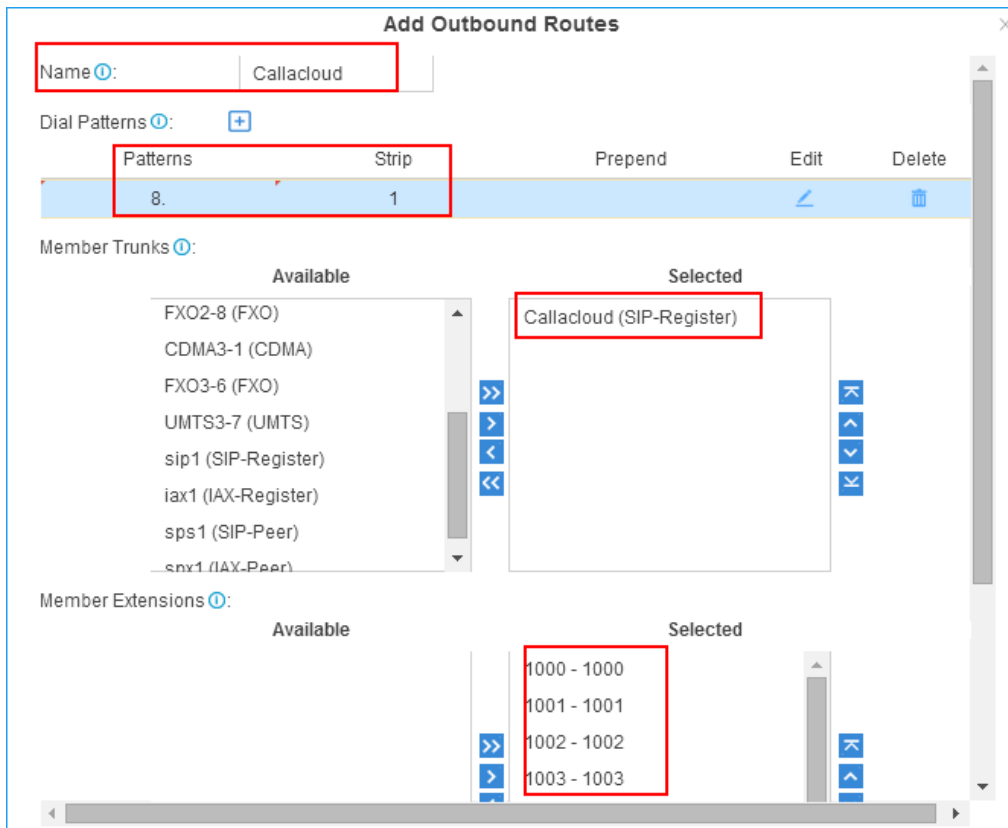
- Go to **Settings > PBX > Call Control > Outbound Routes**, click **Add**.



- Configure the outbound route.

Note:

- The system compares the number with the pattern that you have defined in your route 1. If matches, it will initiate the call using the selected trunks. If it does not, it will compare the number with the pattern you have defined in route 2 and so on. The outbound route which is in a higher position will be matched firstly.
- Adjust the outbound route sequence by clicking these buttons .

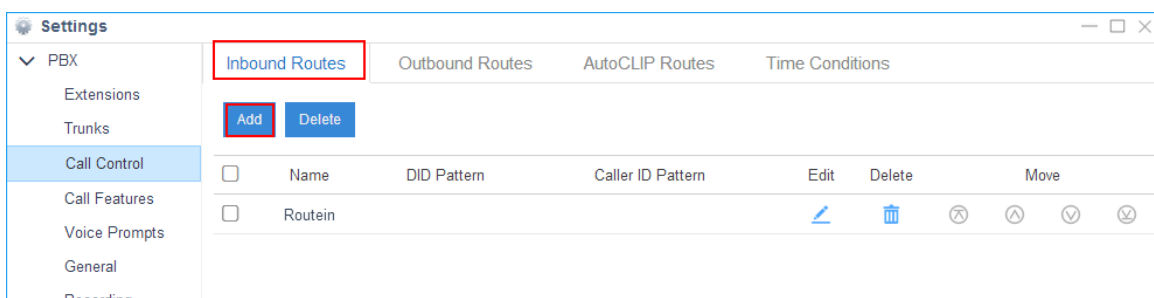


- **Route Name:** give a name for the outbound route.
 - **Dial Patterns:** set the dial patterns. As the settings below, to make calls via the Callcloud SIP trunk, you need precede the number to be dialed with the prefix 8.
 - Dial Pattern: **8.**
 - Strip: **1**
 - **Member Extensions:** select the extensions that are allowed to make calls through the outbound route.
 - **Member Trunks:** select the Callcloud SIP trunk.
3. Click **Save** and **Apply Changes**. Now you can make outbound calls through the Callcloud SIP trunk. As the dial patterns configured above, you need dial digit 8 before the destination number. For example, to call the number 17373621819, you need dial 817373621819 on your phone.

Inbound Route with Callcloud SIP Trunk

Specify how calls from the Callcloud SIP trunk should be routed. You need configure an inbound route for the SIP trunk.

1. Go to **Settings > PBX > Call Control > Inbound Routes**, click **Add**.



2. Configure the inbound route.

The screenshot shows the 'Add Inbound Route' configuration window. The 'Name' field is filled with 'Callcloud_IN'. The 'Member Trunks' section has two columns: 'Available' and 'Selected'. The 'Available' column lists various trunk types like DIGIT1 (E1), BRI2-1 (BRI), etc. The 'Selected' column contains 'Callcloud (SIP-Register)'. At the bottom, the 'Destination' is set to 'IVR' and the number '6500' is entered in the adjacent field.

- **Name:** specify the inbound route.
- **Member Trunks:** choose the Callcloud SIP trunk.
- **Destination:** select the destination where the incoming calls will be routed.

3. Click **Save** and **Apply**. When you call in the SIP trunk, the call will be routed to the destination configured on the inbound route.