

SIPTeleport with SIP Client

Quickstart

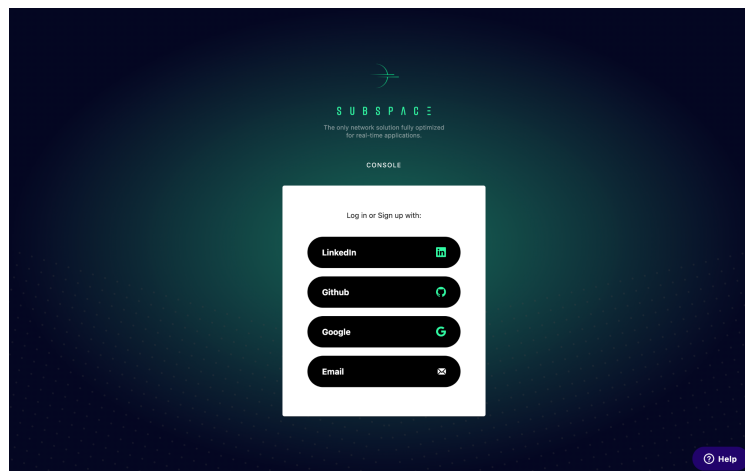
The [SIPTeleport](#) Quickstart is here to help you get started and create your first accelerator for your real-time application. This guide illustrates how to enable Subspace with your SIP client using the 'Telephone' SIP Client by *64 Characters* as an integration example.

SIPTeleport works both by acting as a SIP proxy between your SIP client and SIP server as well as accelerating the calls between your SIP clients by sending their traffic over the accelerated Subspace network.

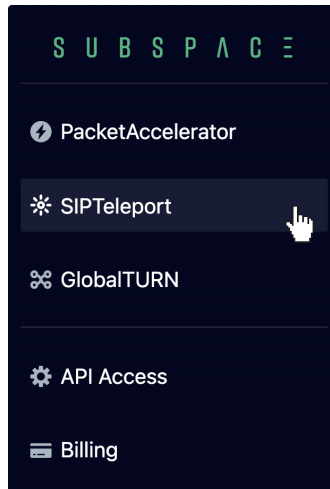
Learn more about SIPTeleport and Subspace by visiting: <https://www.subspace.com>.

Quickstart with SIP Client Setup

1. Gather the following information from your SIP provider:
 - a. Name
 - b. FQDN (this determines your destination SIP)
 - c. User Name
 - d. Password
 - e. SIP port, if known (if unknown, use default of '5060' for UDP or TCP connections and '5061' for TLS)
2. Log in or Sign up on the Subspace console at: <https://console.subspace.com>.



3. In the navigation menu on the left, click on the link for “SIPTeleport.”



4. In the “SIPTeleport” screen, click on the **+ ADD** button.
5. Fill in the needed details to create a new SIPTeleport. Give it a unique **name**, and the **destination SIP address** and **port** your sip provider gave you (if known).

The SIP address may be in the form of a domain name, such as “subspace.com”. If the port was not given (and you connect to your SIP provider via a UDP or TCP connection, use port ‘5060,’ otherwise leave the field blank. If your SIP provider uses TLS, use port ‘5061.’

Then click **CREATE** to create a new SIPTeleport.

A screenshot of the SUBSPACE web interface showing the 'Create SIPTeleport' form. The left sidebar contains a navigation menu with 'SIP Teleport' selected. The main content area has a title 'Create SIPTeleport' and two input fields: 'Name (required)' with the value 'Project' and 'Destination (required)' with the value 'sip:128.66.0.1:443'. Below the destination field is a small text note: 'The formatted destination for the SIP Teleport (example: sip:1.1.1.1:1111)'. At the bottom right of the form are three buttons: 'DELETE', 'CANCEL', and 'CREATE' (highlighted with a mouse cursor). The footer of the sidebar shows '©2021 SUBSPACE INC. ALL RIGHTS RESERVED.' and links for 'PRIVACY' and 'TERMS OF USE'.

6. On creation, Subspace will return all the details you need for your new SIPTeleport. SIPTeleport instantiation is immediate, it's set up and ready to use right away.

Be sure to note the Teleport Entry Points, you will need them to set up your SIP client.

Then, click **FINISH**.

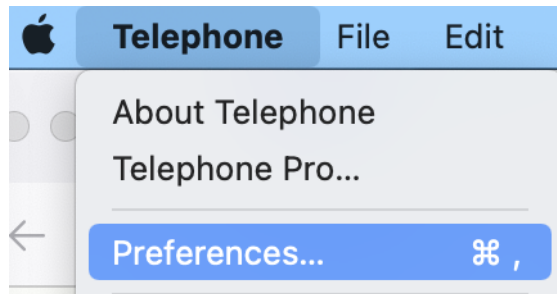
The screenshot shows the 'SIPTeleport Details' page in the Subspace dashboard. On the left is a dark sidebar with navigation links: Packet Accelerator, SIP Teleport (selected), Global TURN, RTP Speed, API Access, Billing, Payments, and Support. The main content area has a header 'SIPTeleport Details'. Below it is a table with two columns: 'Id' and 'Name'. The first row shows '0f45cba2-293c-4655-9315-d9ea78381693' and 'Project'. Below this is another table with two columns: 'Destination' and 'Status'. The first row shows 'sip:128.66.0.1:443' and 'ENABLED'. Further down is a section titled 'Teleport Entry Points' containing two rows. Each row has an 'Address' and a 'Transport Type'. The first row has '129.203.31.1:5094' and 'UDP_TCP'. The second row has '129.203.31.1:10094' and 'TLS'. At the bottom right of the main content area is a green 'FINISH' button with a mouse cursor pointing at it.

7. Next, open up your SIP client. For this quickstart, we'll be detailing an integration with the 'Telephone' SIP client by *64 Characters*.

Enter the account details obtained from your SIP provider. This includes a **user name**, a **domain name**, a **password**, and your own **name**.

The screenshot shows a 'SIP Account Setup' dialog box. The title bar says 'Account Setup'. Inside the dialog, there's a large circular icon of a telephone handset. To the right of the icon, the text reads 'SIP Account Setup' and 'Enter account details you received from the SIP provider.' Below this are four input fields: 'Full Name:' with the value 'Test User', 'Domain:' with the value 'subspace.com', 'User Name:' with the value 'Test', and 'Password:' with a masked password represented by seven dots. At the bottom right of the dialog are two buttons: 'Cancel' and 'Done'.

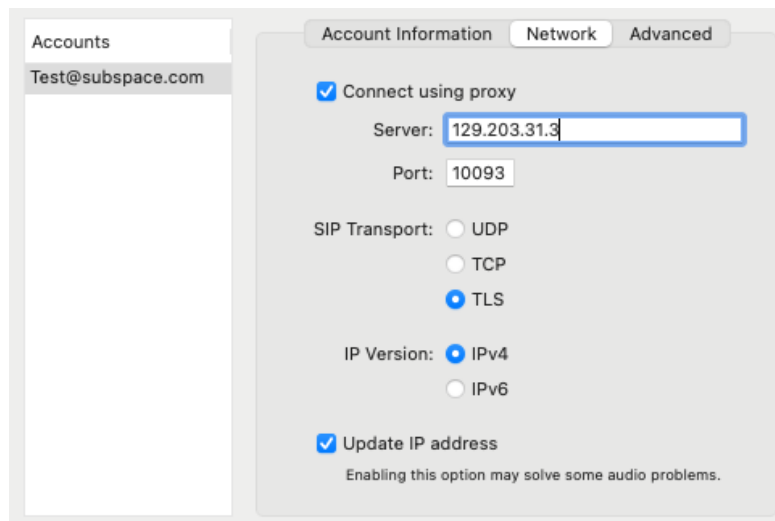
8. Select your client's "preferences" or "setting" options.



9. Using the Teleport Entry Points returned when the SIPTeleport was created, set your client to connect using a proxy.

Subspace recommends connecting using TLS. To do this, copy the IP address and port from the Teleport Entry Point whose Transport Type is "TLS" as the Server. Then select "TLS."

If your SIP provider only supports UDP or TCP, please select those instead, and use the Teleport Entry Point associated with that protocol.



10. Now, any call made via your SIP client will first contact Subspace SIPTeleport, and utilize it as an outbound proxy to talk with your SIP service's server, including sending RTP connections over Subspace's network for lower latency, lower jitter, and simply a better and more reliable call from anywhere in the world.

If you have additional questions, feel free to reach out via support@subspace.com.