Signal Bridge

This guide explains how to use the Signal bridge from the EMS Integration Manager to integrate your Signal chats with your EMS server.

It requires your EMS server to have federation on.

The following instructions are done with the Element Desktop on the Element side and on Element iOS for the Signal side. Element Android should be almost identical to Element Web.

Purchase the Signal integration

1. Open the EMS control panel at: https://ems.element.io/user/hosting
   Click the Integrations tab and if you have more than one server, select the server you wish to add the Signal integration to.

2. Click on `Signal Bridge` in the list of available Bridges.

Bridges

IRC Bridge	Telegram Bridge	WhatsApp Bridge	Signal Bridge
#			
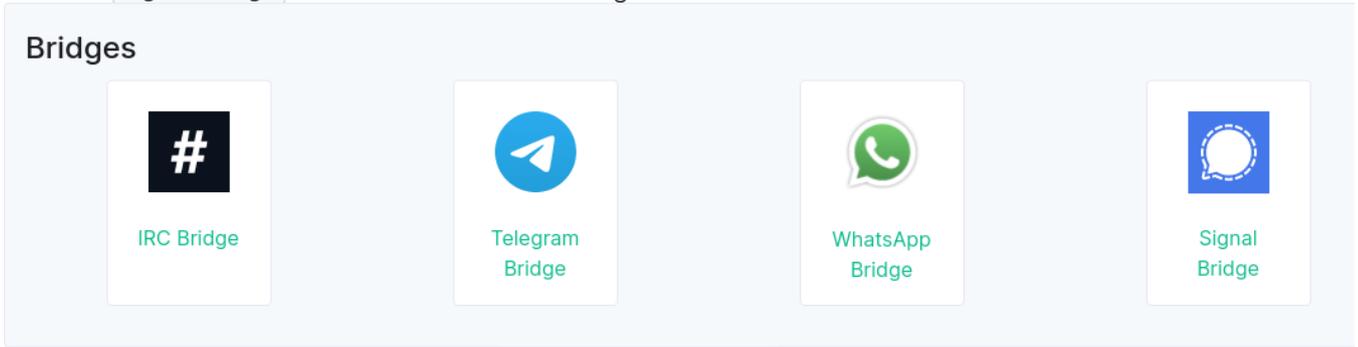
3. Enter the maximum number of users in `Maximum Signal users`.

   Please note: **this is the maximum number of Signal users who actually send messages over the bridge each month. You are only billed for the number of Signal users who are active. Once you exceed the maximum, then the bridge will be disabled until you increase the maximum.**

   If you enter less than `5`, you will get a warning.

   Signal Bridge

   Access Signal groups and DMs from Matrix.

   Click here to read the help guide.

   ⊕ Show pricing and limits

   > **Watch out:** You have chosen a low, **maximum** number of Signal users. Your bridge will be disabled once this limit has been reached. Remember, you are only charged for the number of **active** bridged users (this is the number of Signal users who actually send messages over the bridge each month),up to your specified limit.

   Maximum Signal users   4

   Purchase

   If you enter `5` or greater in `Maximum Signal users`, you will not see a warning.

   # Signal Bridge

   Access Signal groups and DMs from Matrix.

   Click here to read the help guide.

   ⊕ Show pricing and limits

   Maximum Signal users   20

   Purchase

   Once you have entered `Maximum Signal users`, click `Purchase` (remember you can always go back to

this step and increase the maximum number of Signal users if you need more in the future).

4. A dialogue will remind you of the price per user and ask if you wish to proceed. Click `Purchase` if you wish to proceed with the Signal Integration.

Confirm subscription

Signal Bridge

You will be charged **$0.50** for each active remote user.

Do you wish to proceed?

Purchase   **No**
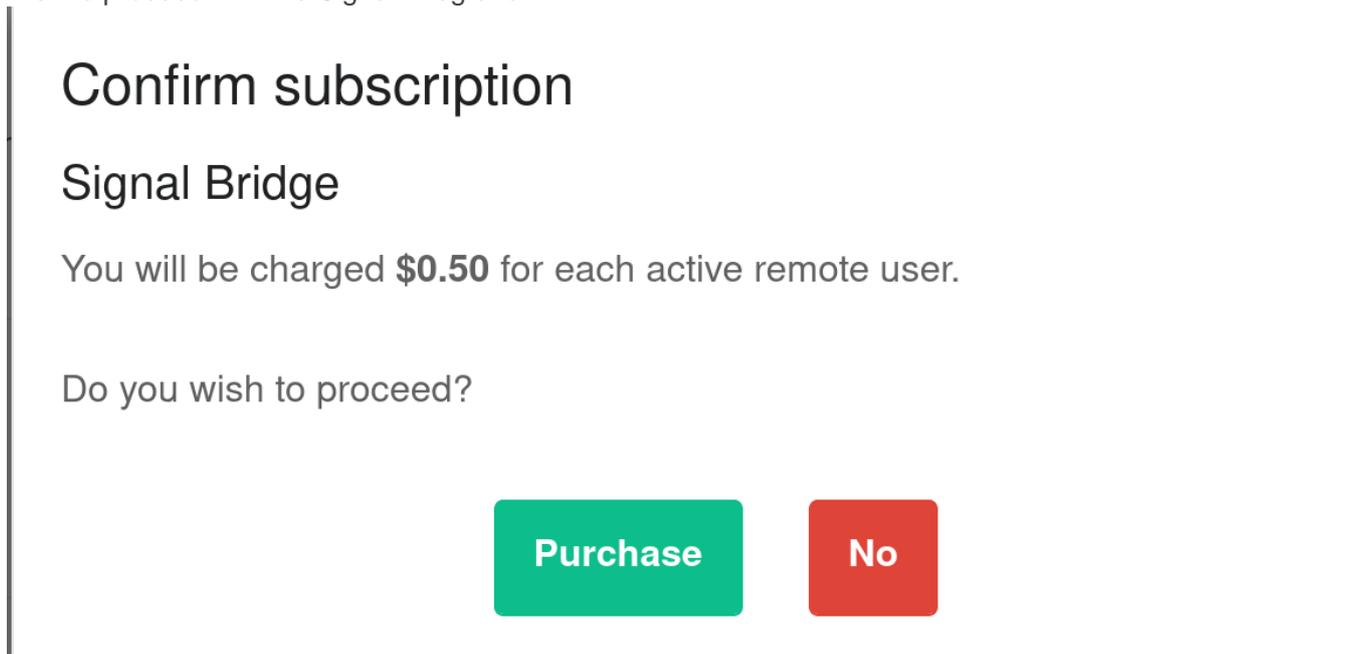
5. You will have to wait a few minutes while your host is reprovisioned with the Signal bridge. Once reprovisioning is finished, you are able to bridge Signal to your EMS server using your Element client.

Bridge Signal to your Element account

1. Once the bridge is running, open your Element app. Click on the `+` next to `People`.

∨ People   ⋯   ＋   Start cha
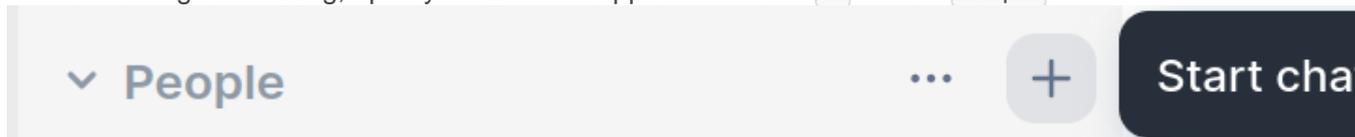
2. Create a Direct Message conversation by typing `@signalbot:example.ems.host` (replace the domain with the one of your homeserver). Then click `Go`.

Direct Messages

Start a conversation with someone using their name, email address or username (like @exampleuser1:example.ems.host).

@signalbot | **Go**

RECENT CONVERSATIONS

Signal Bridge (example.ems.host)
@**signalbot**:example.ems.host   5 minutes ago

3. The bridge account will join your room and tell you how to use it.

Signal Bridge (example.ems.host)

Hello, I'm a Signal bridge bot.

This room has been registered as your bridge management/status room.

Use `help` for help or `login` to log in.

4. Open Signal on your mobile device (iOS or Android) and tap on your avatar to go to `Settings` and then `Linked Devices` and then `+` to start the Signal QR code scanner. You will use this QR code scanner to scan a QR code displayed by your Element client in the next step.
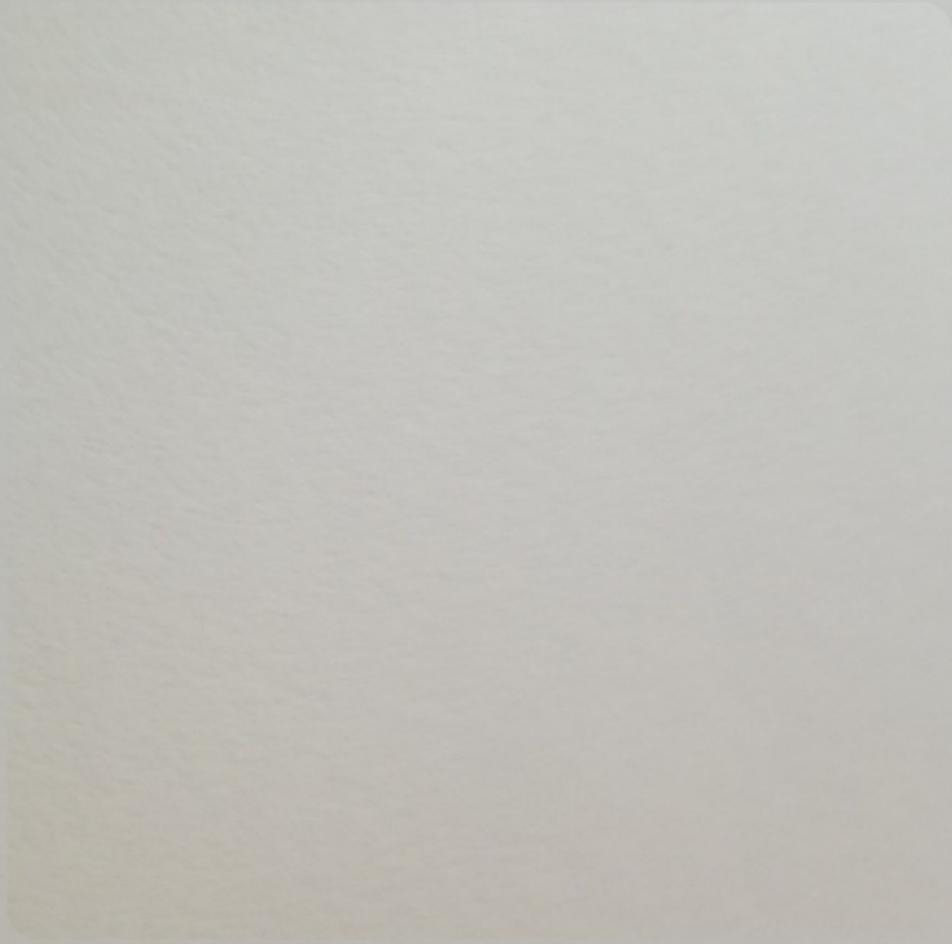
5. From your Element client, send a `login` message to the bot to connect to your Signal account.

6. A QR code will be displayed. Quickly scan the QR code with Signal on your mobile device. You have about a minute before it times out. If it times out, just send the `login` message again to generate another QR code.
7. On your Element client, you will see `Successfully logged in as <your_phone_number> (UUID: <your_signal_id>)`. Once a new message arrives in one of your Signal chats, you will see an invitation for it in your Element client. Each Signal chat is a separate Matrix room. Join one or more chats and start chatting from either your Element app on desktop, iOS or Android or your Signal on mobile.

Sending a message to a Signal User

To send a message to a Signal user, you must first be connected to the bridge (see above). **This currently works only for Signal users that the bridge has seen activity from.**

1. On your Element client, open your DM with the Signal bridge bot.
2. Say `pm` followed by the phone number for your contact.
3. You will be invited to a DM with that user, and can send messages to them.

Why do Signal user names show up as phone numbers?

Some signal users may appear as a phone number rather than their real name. This can because of one of the following reasons:

1. The user has not spoken to you on Signal yet, and so has not sent their profile information.
2. The user has not added you as a contact on their phone.
3. The Signal bridge has not yet synchronized the profile information of the user from Signal (this should happen fairly soon after your first interaction).

EMS does not support the bridge as a primary device

The EMS Signal Bridge is implemented as a secondary device bridge in order to prevent Signal from ratelimiting the bridge. This means that you still need Signal installed on your iOS or Android device in order to use the bridge.