Setting Up the XMPP Bridge

Configuring the XMPP Bridge

The XMPP bridge relies on the xmpp "component" feature. It is an equivalent of matrix application services. You need to configure an XMPP Component on an XMPP Server that the bridge will use to bridge matrix and xmpp user.

On the hosting machine

From the Installer's Integrations page, click "Install" under "XMPP Bridge".

Examples

In all the examples below the following are set:

- The `domain_name` is your homeserver domain (the part after : in your MXID) : `example.com`
- XMPP Server FQDN: xmpp.example.com
- XMPP External Component/ `xmpp_domain` : `matrix.xmpp.example.com`

Prosody Example

If you are configuring prosody, you need the following component configuration (for the sample xmpp server, `matrix.xmpp.example.com`):

```
Component "matrix.xmpp.example.com"
  ssl = {
    certificate = "/etc/prosody/certs/tls.crt";
    key = "/etc/prosody/certs/tls.key";
  }
  component_secret = "eeb8choosaim3oothaeGh0aequiop4ji"
```

And then with that configured, you would pass the following into `xmpp.yml`:

```
xmpp_service: xmpp://xmpp.example.com:5347

xmpp_domain: "matrix.xmpp.example.com" # external component subdomain

xmpp_component_password: eeb8choosaim3oothaeGh0aequiop4ji # xmpp component password
```

Note: We've used `pwgen 32 1` to generate the `component_secret`.

Joining an XMPP Room

Once you have the XMPP bridge up, you need to map an XMPP room to a Matrix ID. For example, if the room on XMPP is named: `#welcome@conference.xmpp.example.com`, where `conference` is the FQDN of the component hosting rooms for your XMPP instance, then on Matrix, you would join:

```
#_xmpp_welcome_conference.xmpp.example.com:example.com
```

So you can simply send the following command in your Element client to jump into the XMPP room via Matrix

```
/join #_xmpp_welcome_conference.xmpp.example.com:example.com
```

Joining a Matrix room from XMPP

If the Element/Matrix room is public you should be able to query the room list at the external component server address (Ex: `matrix.xmpp.example.com`)

The Matrix room at alias `#roomname:example.com` maps to `#roomname#example.com@matrix.xmpp.example.com` on the XMPP server `xmpp.example.com` if your `xmpp_domain: matrix.xmpp.example.com`

Note: If the Matrix room has users with the same name as yor XMPP account, you will need to edit you XMPP nickname to be unique in the room

Element		XMPP
#**roomname**:element.local (native Matrix room)	?	#**roomname** #element.local@element.xmpp.example.com (bridged into XMPP)
#_xmpp_**roomname** _conference.xmpp.example.com:element.local (bridged into Matrix/Element)	?	#**roomname** @conference.xmpp.example.com (native XMPP room)

Using the bridge as an end user

For end user documentation you can visit the Using the Matrix XMPP Bridge as an End User documentation.