

# Matrix Synapse Miscellaneous

Different things, sometimes advanced and some things that just did not fit in the regular guide.

## .well-known section

Mathijs

it's a little early, but you could also add a section about .well-known which just means you have nginx serve a json file on `example.com/.well-known/matrix/client` I did it for apache, but it's probably fairly easy for nginx as well

Mathijs

[https://matrix.org/docs/spec/client\\_server/r0.4.0.html#server-discovery](https://matrix.org/docs/spec/client_server/r0.4.0.html#server-discovery) if you like reading spec :)

## Coturn

Coturn is a turn server and it is used for 1:1 voip calls through the client (example: riot).

```
apt install coturn
```

Edit Config files

opening ports

## Add an SRV Record

To use the domain `matrix.example.com` and still just use `@user:example.com` instead of `@user:matrix.example.com` we need to set up an SRV record. At first an A (possibly AAAA) record is needed for `matrix.example.com`.

After the A record is set up, create a SRV Record that looks like

```
_matrix._tcp.<yourdomain.com> <ttd> IN SRV 10 0 <port> <synapse.server.name>
```

So, for example use

```
_matrix._tcp.example.com. 3600 IN SRV 10 0 8448 synapse.example.com.
```

and when creating the Synapse server use `example.com` for the servername.

Stefan

So, when I'm using the domain `matrix.example.com` and want to use `example.com` for the registration and so on, I should use SRV. If I'm using `example.com` and making the redirect with nginx, there is no

need for a SRV record?

kythyria

The SRV record is how other servers find your server (and putting matrix federation behind a reverse proxy is a bit fragile)

Mathijs the relevant url is where the federated servers can connect to you

kythyria

It's so your server\_name (what's in MXIDs) doesn't have to be the hostname of the machine synapse is running on.

## Optional Adminshell

If you forgot to write sudo and don't want to rewrite the whole command, just type `sudo !!` to execute the last command with sudo rights.

There is another way but you should **not** work like that all the time because its not secure. There is a reason you have to write sudo for a lot of commands. For an initial server setup you may have to type a lot of commands, to avoid typing `sudo *` all the time, it is possible to type in `sudo su`. This opens a admin-shell and you should be able to work without typing sudo in. Keep in mind, `exit` after step 8 and don't use `sudo su` when you just have to type in some commands.

## Synapse maintenance tools

<https://github.com/matrix-org/synapse/wiki/Synapse-database-maintenance-tools>

## Installing Bots

Matrix Synapse currently does not have a concept of bots, a bot is just a normal user. Usally there is a config and a `.py` file, download the files, unpack them and run the `.py` file. Running and downloading things via pip is not recommended.

Install python3

```
sudo apt install python3
```

then install pip

```
sudo apt install python3-pip
```

then matrix-bot-api from pyp

```
pip3 install matrix-bot-api
```

and finally fill out the config and start it

```
python3 pollbot.py
```

From:

<https://www.natrius.eu/dokuwiki/> - **Natrius**

Permanent link:

<https://www.natrius.eu/dokuwiki/doku.php?id=digital:server:matrixsynapsemisc&rev=1541866310>

Last update: **2018/11/10 17:11**

