

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 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> <ttl> 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
```

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