

# Matrix Synapse Miscellaneous

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

## SRV Record

Use the domain `matrix.example.com`, create a SRV Record like

```
_matrix._tcp.example.com. 3600 IN SRV 10 0 8448 matrix.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 it's 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 an 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>

## Change listener port

Now check if the HTTP and HTTPS listener port '8008' and '8448' are bound to the local IP address 0.0.0.0 (and not to 127.0.0.1).

```
sudo nano /etc/matrix-synapse/homeserver.yaml
```

```
port: 8448
bind_addresses:
  - '0.0.0.0'

- port: 8008
  bind_addresses: ['127.0.0.1']
```

## Installing Bots

Matrix Synapse currently does not have a concept of bots, a bot is just a normal user. Usually 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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