Matrix Synapse Miscellaneous

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

Matrix tips they don't tell you

https://wordsmith.social/cos/matrix-tips-they-dont-tell-you

Interesting projects

Moved to Matrix projects

Synpase maintenance tools

- https://matrix-org.github.io/synapse/latest/usage/administration/database_maintenance_tools.html

Show the public rooms on the server

- `https://example.com/_matrix/client/r0/publicRooms`

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

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
```

Exclude a server from a channel

Info von https://matrix.org/docs/guides/moderation#banning-servers-from-rooms-server-acls bzw. direkt https://spec.matrix.org/latest/client-server-api/#server-access-control-lists-acls-for-rooms

- Chat `/devtools`
- `Send Custom Event`
- Rechts unten roten Button `Event` drücken
- Event Type: `m.room.server_acl`
- State Key: leer lassen
- Event Content:

```
{
    "allow": [
        "*"
    ],
    "allow_ip_literals": false,
    "deny": [
        "kiwifarms.net",
        "*.kiwifarms.net",
        "zygoat.club",
        "*.zygoat.club"
    ]
}
```

- Send
- Bestätigung im Chat `[CURRENT USER] set the server ACLs for this room.`

Send custom reactions to messages (Powerlevel 1)

- Chat `/devtools`

- Send Custom Event
- Event Type: m.reaction
- Event Content:

```
{
    "m.relates_to": {
        "rel_type": "m.annotation",
        "event_id": "$164569109460761pvPSY:matrix.org",
        "key": "BOMP!"
    }
}
```

Send custom reactions to messages (Powerlevel >=50)

- Chat /devtools
- Send Custom Event
- Rechts unten roten Button Event drücken
- Event Type: m.reaction
- State Key: leer lassen
- Event Content:

```
{
    "m.relates_to": {
        "rel_type": "m.annotation",
        "event_id": "$164569109460761pvPSY:matrix.org",
        "key": "BOMP!"
    }
}
```

- Send

Tombstone Event

- Chat /devtools
- Send Custom Event
- Rechts unten roten Button Event drücken
- Event Type: m.room.tombstone
- State Key: leer lassen
- Event Content:

```
{
    "body": "This room has been replaced",
    "replacement_room": "!ERZvriGbDxJDxaCBxX:matrix.org"
  }
```

- Send

Inactive room blocking address

IIRC you can request release of alias at support@matrix.org

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