Docker installation

This docker compose file is inspired by the docker compose file created by Jims Garage at [Gitea Synapse Jims Garage]

Since, I use a centralised caddy reverse proxy plugin for OPNSense I commented out the Traefik labels and the proxy network.

```
services:
  synapse:
    container_name: synapse
    image: docker.io/matrixdotorg/synapse:latest
    # Since synapse does not retry to connect to the database, restart upon
    # failure
    restart: unless-stopped
    # See the readme for a full documentation of the environment settings
    environment:
    # config file location - be sure to create one first!
    # https://github.com/matrix-org/synapse/tree/develop/docker#generating-a-configuration-
file
      - SYNAPSE_CONFIG_PATH=/data/homeserver.yaml
      - UID=1000
      - GID=1000
    volumes:
      # You may either store all the files in a local folder
      - /home/dpasn/matrix/synapse/data:/data
      # .. or you may split this between different storage points
      # - ./files:/data
      # - /path/to/ssd:/data/uploads
      # - /path/to/large_hdd:/data/media
    depends_on:
    # We're going to use an external database as it's more performant for multiple
    # users
      - synapse-db
    networks:
        synapse:
#        proxy:
```

```
    # Uncomment if not using a proxy. In order to expose Synapse, remove one of the following,
    # you might for instance expose the TLS port directly:
    ports:
      - 8448:8448/tcp
      - 8008:8008/tcp

    # ... or use a reverse proxy, here is an example for traefik:
#    labels:
#      - "traefik.enable=true"
#      - "traefik.http.routers.synapse.entrypoints=http"
#      - "traefik.http.routers.synapse.rule=Host(`matrix.yourdomain.com`)"
#      - "traefik.http.middlewares.synapse-https-redirect.redirectscheme.scheme=https"
#      - "traefik.http.routers.synapse.middlewares=synapse-https-redirect"
#      - "traefik.http.routers.synapse-secure.entrypoints=https"
#      - "traefik.http.routers.synapse-secure.rule=Host(`matrix.yourdomain.com`)"
#      - "traefik.http.routers.synapse-secure.tls=true"
#      - "traefik.http.routers.synapse-secure.service=synapse"
#      - "traefik.http.services.synapse.loadbalancer.server.port=8008"
#      - "traefik.docker.network=proxy"

  synapse-db:
    image: docker.io/postgres:15-alpine
    container_name: synapse-db
    restart: unless-stopped
    # Change password below, of course!
    environment:
      - POSTGRES_USER=synapse_user
      - POSTGRES_PASSWORD=skjsdf9834jf3j9j4598t3498j3908fn983yv3 # CHANGE ME!
      - POSTGRES_DB=synapse
      # ensure the database gets created correctly
      # https://github.com/matrix-org/synapse/blob/master/docs/postgres.md#set-up-database
      - POSTGRES_INITDB_ARGS=--encoding=UTF-8 --lc-collate=C --lc-ctype=C
    volumes:
      # You may store the database tables in a local folder..
      - /home/dpasn/matrix/synapse/data_db:/var/lib/postgresql/data
      # .. or store them on some high performance storage for better results
      # - /path/to/ssd/storage:/var/lib/postgresql/data
    ports:
      - 5432:5432
    networks:
```

```
      synapse:

networks:
  synapse:
#  proxy:
#    external: true
```

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