

# Installation Keycloak mit Docker

## Aufbau Docker Container

```
version: "3.7"

services:
  sso:
    image: quay.io/keycloak/keycloak:22.0.1
    container_name: "keycloak"
    volumes:
      - /etc/localtime:/etc/localtime:ro
      - ./keycloak.conf:/opt/keycloak/conf/keycloak.conf
    command:
      - start-dev
    environment:
      - KEYCLOAK_ADMIN=admin
      - KEYCLOAK_ADMIN_PASSWORD=changeme
      - PROXY_ADDRESS_FORWARDING=true
      - VIRTUAL_HOST=dev-keycloak.mydomain.com
      - VIRTUAL_PORT=8080
      - LETSENCRYPT_HOST=dev-keycloak.mydomain.com
      - KC_DB_PASSWORD=changeme
    networks:
      - internal

  database:
    image: postgres:15
    container_name: "postgres"
    environment:
      - POSTGRES_USER=keycloak
      - POSTGRES_DATABASE=keycloak
```

- POSTGRES\_PASSWORD=changeme

volumes:

- postgres\_data:/var/lib/postgresql/data

networks:

- internal

proxy:

image: nginxproxy/nginx-proxy

container\_name: "nginx"

ports:

- "443:443"

- "80:80"

volumes:

- conf:/etc/nginx/conf.d

- vhost:/etc/nginx/vhost.d

- html:/usr/share/nginx/html

- certs:/etc/nginx/certs

- /var/run/docker.sock:/tmp/docker.sock:ro

networks:

- internal

acme-companion:

image: nginxproxy/acme-companion

container\_name: "acme-proxy"

environment:

- DEFAULT\_EMAIL=<YOUREMAIL@YOURDOMAIN.COM>

volumes\_from:

- proxy

volumes:

- certs:/etc/nginx/certs

- acme:/etc/acme.sh

- /var/run/docker.sock:/var/run/docker.sock:ro

networks:

- internal

networks:

internal:

driver: bridge

driver\_opts:

```
# Openstack spezifisch, kann auf 1500 gelassen werden wenn ihr auf
# Bare Metal lauft.
com.docker.network.driver.mtu: 1450
```

```
volumes:
  postgres_data:
  conf:
  vhost:
  html:
  certs:
  acme:
```

# Aufbau Konfigurationsfiles

docker-compose/keycloak.conf

```
proxy=edge
db=postgres
db-url-host=postgres
db-user=keycloak
db-password=changeme
db-database=keycloak
db-schema=public
hostname-strict=false
http-enabled=true
```

docker-compose/proxy.conf

```
# HTTP 1.1 support
proxy_http_version 1.1;
proxy_buffering off;
proxy_set_header Host $http_host;
proxy_set_header Upgrade $http_upgrade;
proxy_set_header Connection $proxy_connection;
proxy_set_header X-Real-IP $remote_addr;
proxy_set_header X-Forwarded-For $proxy_add_x_forwarded_for;
proxy_set_header X-Forwarded-Host $proxy_x_forwarded_host;
```

```
proxy_set_header X-Forwarded-Proto $proxy_x_forwarded_proto;  
proxy_set_header X-Forwarded-Ssl $proxy_x_forwarded_ssl;  
proxy_set_header X-Forwarded-Port $proxy_x_forwarded_port;  
proxy_set_header X-Original-URI $request_uri;
```

## Überprüfen der Konfiguration

```
docker exec -it keycloak /opt/keycloak/bin/kc.sh show-config
```



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Revision #1

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