

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
```



Revision #1

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