

Keycloak Basis Dokumentation

Keycloak 18 = Quarkus (aktuell)

Keycloak 16 Wildfly (deprecated). Migration: <https://www.keycloak.org/migration/migrating-to-quarkus>

Weitere Doku:

- https://www.altenburger.io/posts/install_keycloak *
- <https://www.keycloak.org/documentation>
- https://www.keycloak.org/docs/latest/server_installation/index.html

Initialer Setup mit Quarkus: Setzen des Admin/PW für den Master Realm über environment variablen vor dem ersten Start. Die Variable wird dann in die Postgres DB rein geschrieben. Weitere Administration danach über das Web UI oderper kcadm.sh

```
root@kc1:/opt/keycloak# export KEYCLOAK_ADMIN=admin
root@kc1:/opt/keycloak# echo $KEYCLOAK_ADMIN
admin
root@kc1:/opt/keycloak# export KEYCLOAK_ADMIN_PASSWORD=xxxx
root@kc1:/opt/keycloak# echo KEYCLOAK_ADMIN_PASSWORD
KEYCLOAK_ADMIN_PASSWORD
root@kc1:/opt/keycloak# ./bin/kc.sh start
```

<https://www.serverlab.ca/tutorials/linux/administration-linux/how-to-set-environment-variables-in-linux/>

Keycloak behind load balancer

https://www.keycloak.org/docs/latest/server_installation/#_setting-up-a-load-balancer-or-proxy

Mit Haproxy: Config proxy=edge. In Haproxy muss X-Forwarded-For gesetzt sein:

```
backend login-backend
    option forwardfor
    server login.netzwissen.de 10.10.10.20:8080 check verify none
    http-request set-header X-Forwarded-Port %[dst_port]
    http-request add-header X-Forwarded-Proto https if { ssl_fc }
    http-request add-header X-Forwarded-For %[src]
    ## HSTS header, 16000000 seconds: a bit more than 6 months
    http-response set-header Strict-Transport-Security "max-age=16000000;
includeSubDomains; preload;"
```

Keycloak connected to Postgresql

<https://www.tutorialsbuddy.com/keycloak-postgresql-setup>

Wichtig: Keycloak DB braucht UTF8 encoding, nicht den SQL_ASCII Standard.

Setup eines Realm

https://wjw465150.gitbooks.io/keycloak-documentation/content/server_admin/topics/realms/create.html

https://www.keycloak.org/docs/latest/server_admin/

User Self Registration

- <https://www.baeldung.com/keycloak-user-registration>
- https://wjw465150.gitbooks.io/keycloak-documentation/content/server_admin/topics/users/user-registration.html

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