

# Systemadministrati on

## Installieren und Konfigurieren von MongoDB

### Befehlszeile für Debian:

```
apt update

apt-get install curl gnupg2 wget -y

curl -fsSL https://pgp.mongodb.com/server-7.0.asc | gpg -o /usr/share/keyrings/mongodb-server-7.0.gpg --dearmor

echo "deb [ signed-by=/usr/share/keyrings/mongodb-server-7.0.gpg ] http://repo.mongodb.org/apt/debian bullseye/mongodb-org/7.0
main" | tee /etc/apt/sources.list.d/mongodb-org-7.0.list

apt update

apt install mongodb-org -y

mongod --Version

systemctl start mongod

systemctl enable mongod

# create admin user
mongosh
  use admin
  db.createUser( {user: "admin", pwd: "xxxxxxx", roles: [ { role: "userAdminAnyDatabase", db: "admin" } ] });
  exit;

# switch on authentication
vi /etc/mongod.conf

  security:
  authorization: "enabled"

  net:
  bindIp:192.168.101.120 (or leave as 127.0.0.1 or hostname as required)

systemctl restart mongod
systemctl status mongod

# Optional: if Status is not running (error 14) it may be that you need to remove socket lock (permissions are now incorrect)
cd /tmp
rm -rf mongodb*.sock

# log in and create database user
mongosh "mongodb://admin:xxxxxxx@192.168.101.120:27017/ddok" --authenticationDatabase admin
  db.createUser( {user: "ddok", pwd: "xxxxxxx", roles: [ { role: "readWrite", db: "ddok" } ] })
```

# node server config.js:

```
module.exports =
{
  //////////////////////////////////////////////////
  // Configuration for D-DOK server
  // All of these values may be overridden by setting environment variables
  //////////////////////////////////////////////////

  // NODE_ENV: 'development' | 'production' (default)
  NODE_ENV: 'production',

  // PORT: web server port (default 80)
  PORT: 3000,

  // PROXY: trust reverse proxy when setting secure cookies (via the "X-Forwarded-Proto" header) (
  default false)
  PROXY: false,

  //////////////////////////////////////////////////
  // Logging
  //////////////////////////////////////////////////

  // LOG_ENABLED: true (default) | false
  LOG_ENABLED: true,

  // LOG_LEVEL: 'error' | 'warn' | 'info' (default) | 'verbose' | 'debug' | 'silly'
  LOG_LEVEL: 'verbose',

  //////////////////////////////////////////////////
  // D-DOK Database
  //////////////////////////////////////////////////

  // DESS_LINK_ENABLED: flag if D-DOK uses D-ESS database
  DESS_LINK_ENABLED: true,

  // DATABASE_TYPE: 'mysql' (required)
  DATABASE_TYPE: 'mysql',

  // DATABASE_USERNAME: (required)
  DATABASE_USERNAME: 'root',
```

```
// DATABASE_PASSWORD: (required)

DATABASE_PASSWORD: 'xxxxxxxx',

// DATABASE_HOST: hostname or IP address of the database server (required)

DATABASE_HOST: 'localhost',

// DATABASE_PORT: port to which the database server is bound (required)

DATABASE_PORT: 3306,

// DATABASE_NAME: name of the database (required)

DATABASE_NAME: 'xxxxxxxx',

////////////////////////////////////

// Mongo Database

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// MONGO_DATABASE_USERNAME: (required)

MONGO_DATABASE_USERNAME: 'ddok',

// MONGO_DATABASE_PASSWORD: (required)

MONGO_DATABASE_PASSWORD: 'xxxxxxxx',

// MONGO_DATABASE_HOST hostname or IP address of the database server (required)

MONGO_DATABASE_HOST: '127.0.0.1',

// MONGO_DATABASE_PORT: port to which the database server is bound (required)

MONGO_DATABASE_PORT: 27017,

// MONGO_DATABASE_NAME: name of the database (required)

MONGO_DATABASE_NAME: 'ddok',

////////////////////////////////////

// Active Directory (LDAP) Authentication

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// AD_ENABLED: Active Directory auth enabled

AD_ENABLED: true,

// AD_URL: URL of the ldap server (required)

AD_URL: 'ldaps://DC1.bab.network',

// AD_BIND_DN: username that will be used to do the searching and request (required)

AD_BIND_DN: 'DC=bab,DC=network',

// AD_BIND_USER: username for LDAP bind (required)

AD_BIND_USER: 'noreply@bab.network',

// AD_BIND_PASSWORD: password for LDAP bind (required)

AD_BIND_PASSWORD: 'xxxxxxxx',
```

```

// AD_USERNAME_ATTRIBUTE: Username attribute
AD_USERNAME_ATTRIBUTE: 'sAMAccountName',

// AD_SEARCH_FILTER: search filter for user nodes. {{username}} is posted to LDAP (required)
AD_SEARCH_FILTER: '(sAMAccountName={{username}})',

// AD_GROUP_FILTER: search filter for group nodes.
AD_GROUP_FILTER: 'OU=Guest,DC=bab,DC=network',

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// OpenID Connect (OIDC) Authentication
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// OIDC_ENABLED: OIDC auth enabled
OIDC_ENABLED: true,

// OIDC_BUTTON_SHOW: Show button on login page
OIDC_BUTTON_SHOW: true,

// OIDC_BUTTON_TEXT: Text to show on login page button
OIDC_BUTTON_TEXT: 'Mit Keycloak Anmelden',

// OIDC_CLIENT_SECRET: secret application password in OIDC server
OIDC_CLIENT_SECRET: 'xxxxxxx',

// OIDC_CLIENT_ID: public client id in OIDC server
OIDC_CLIENT_ID: 'dess',

// OIDC_ISSUER: OIDC Issuer URL
OIDC_ISSUER: 'https://sso.agrarforschung.at/realms/BAB',

////////////////////////////////////

// System settings
////////////////////////////////////

// SYSTEM_WIJMO_LICENSE_KEY: wijmo license
SYSTEM_WIJMO_LICENSE_KEY: 'xxxxxxx'
};

```