LAB 3 *

LAB 3 *

```
willec@test1:~/docker$ cat Dockerfile
FROM ubuntu:22.10
RUN apt-get update
RUN apt-get install -y wget
RUN apt-get install -y git
RUN adduser \
 --system \
 --shell /bin/bash \
 --gecos 'Git Version Control' \
 --group \
 --disabled-password \
 --home /home/git \
 git
RUN wget -O /home/git/gitea https://github.com/go-gitea/gitea/releases/download/v1.18.0/gitea-1.18.0-linux-amd64
RUN apt-get update
RUN chmod +x /home/git/gitea
RUN mkdir /data
RUN chown -R git:git /data
RUN chmod -R 777 /data
RUN mkdir -p /var/lib/gitea/custom
RUN mkdir -p /var/lib/gitea/data
RUN mkdir -p /var/lib/gitea/log
RUN chown -R git:git /var/lib/gitea
RUN chmod -R 777 /var/lib/gitea
RUN mkdir /etc/gitea
RUN chown root:git /etc/gitea
RUN chmod 777 /etc/gitea
EXPOSE 3000
USER git
VOLUME ["/data"]
WORKDIR /home/git
CMD /home/git/gitea
willec@test1:~/docker$
```
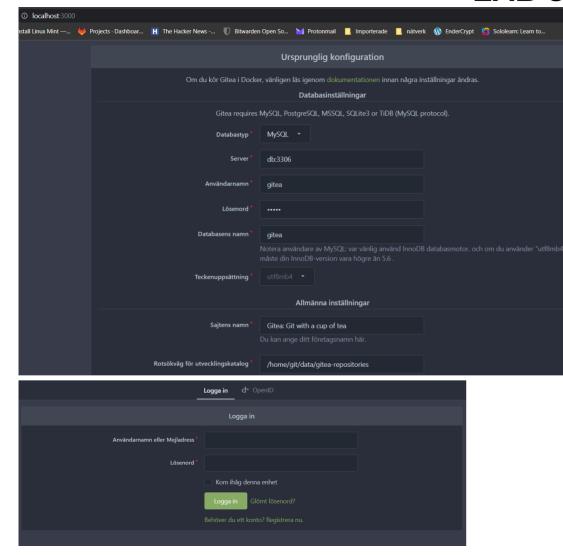
Visar hur
"Dockerfile"
är uppbyggd

LAB 3 *

```
willec@test1:~/docker$ cat docker-compose.yml
version: "3"

networks:
  gitea:
    external: false

services:
  server:
    image: hejhej:latest
    container_name: giteatest1
    environment:
      - USER_UID=1000
      - USER_GID=1000
      - GITEA__database__DB_TYPE=mysql
      - GITEA__database__HOST=db:3306
      - GITEA__database__NAME=gitea
      - GITEA__database__USER=gitea
      - GITEA__database__PASSWD=gitea
    restart: always
    networks:
      - gitea
    volumes:
      - ./gitea:/data
      - /etc/timezone:/etc/timezone:ro
      - /etc/localtime:/etc/localtime:ro
    ports:
      - "3000:3000"
      - "222:22"
    depends_on:
      - db

  db:
    image: mysql:8
    restart: always
    environment:
      - MYSQL_ROOT_PASSWORD=gitea
      - MYSQL_USER=gitea
      - MYSQL_PASSWORD=gitea
      - MYSQL_DATABASE=gitea
    networks:
      - gitea
    volumes:
      - ./mysql:/var/lib/mysql
```

Visar hur "docker-compose.yml" är uppbyggd

LAB 3 *

```
willec@test1:~/docker$ docker-compose up -d
Creating network "docker_gitea" with the default driver
Creating docker_db_1 ... done
Creating giteatest1  ... done
willec@test1:~/docker$ docker logs giteatest1
2023/01/19 12:16:10 cmd/web.go:106:runWeb() [I] Starting Gitea on PID: 6
2023/01/19 12:16:10 ...s/install/setting.go:21:PreloadSettings() [I] AppPath: /home/git/gitea
2023/01/19 12:16:10 ...s/install/setting.go:22:PreloadSettings() [I] AppWorkPath: /home/git
2023/01/19 12:16:10 ...s/install/setting.go:23:PreloadSettings() [I] Custom path: /home/git/custom
2023/01/19 12:16:10 ...s/install/setting.go:24:PreloadSettings() [I] Log path: /home/git/log
2023/01/19 12:16:10 ...s/install/setting.go:25:PreloadSettings() [I] Configuration file: /home/git/custom/conf/app.ini
2023/01/19 12:16:10 ...s/install/setting.go:26:PreloadSettings() [I] Prepare to run install page
2023/01/19 12:16:10 ...s/install/setting.go:29:PreloadSettings() [I] SQLite3 is supported
2023/01/19 12:16:11 cmd/web.go:220:listen() [I] [63c9348b] Listen: http://0.0.0.0:3000
2023/01/19 12:16:11 cmd/web.go:224:listen() [I] [63c9348b] AppURL(ROOT_URL): http://localhost:3000/
2023/01/19 12:16:11 ...s/graceful/server.go:62:NewServer() [I] [63c9348b] Starting new Web server: tcp:0.0.0.0:3000 on PID: 6
willec@test1:~/docker$ docker ps
CONTAINER ID   IMAGE           COMMAND                 CREATED          STATUS          PORTS                                                                                    NAMES
d5aa39b50c9b   hejhej:latest   "/bin/sh -c /home/gi…"  32 seconds ago   Up 31 seconds   0.0.0.0:3000->3000/tcp, :::3000->3000/tcp, 0.0.0.0:222->22/tcp, :::222->22/tcp   giteatest1
b5c0fc79494f   mysql:8         "docker-entrypoint.s…"  33 seconds ago   Up 32 seconds   3306/tcp, 33060/tcp                                                                      docker_db_1
willec@test1:~/docker$
```

Här ser man att gitea är paketerad och körs i en docker container

LAB 3 *

Visar att sidan fungerar när containern är igång

LAB 3 **

LAB 3 **

```
willec@test1:~/docker$ cat docker-compose.yml
version: "3"

networks:
  gitea:
    external: false

services:
  server:
    image: gitea/gitea:1
    container_name: giteatest1
    environment:
      - USER_UID=1000
      - USER_GID=1000
      - GITEA__database__DB_TYPE=mysql
      - GITEA__database__HOST=db:3306
      - GITEA__database__NAME=gitea
      - GITEA__database__USER=gitea
      - GITEA__database__PASSWD=gitea
    restart: always
    networks:
      - gitea
    volumes:
      - ./gitea:/data
      - /etc/timezone:/etc/timezone:ro
      - /etc/localtime:/etc/localtime:ro
    ports:
      - "3000:3000"
      - "222:22"
    depends_on:
      - db

  db:
    image: mysql:8
    restart: always
    environment:
      - MYSQL_ROOT_PASSWORD=gitea
      - MYSQL_USER=gitea
      - MYSQL_PASSWORD=gitea
      - MYSQL_DATABASE=gitea
    networks:
      - gitea
    volumes:
      - ./mysql:/var/lib/mysql
```

"Dockerfile" är uppbyggd och fungerar som syns på "**LAB 3 ***", detta
är docker-compose.yml för **LAB 3 ****

LAB 3 **

```
willec@test1:~/docker$ docker logs giteatest1
Generating /data/ssh/ssh_host_ed25519_key...
Generating /data/ssh/ssh_host_rsa_key...
Generating /data/ssh/ssh_host_dsa_key...
Generating /data/ssh/ssh_host_ecdsa_key...
Server listening on :: port 22.
Server listening on 0.0.0.0 port 22.
2023/01/19 12:40:33 cmd/web.go:106:runWeb() [I] Starting Gitea on PID: 15
2023/01/19 12:40:33 ...s/install/setting.go:21:PreloadSettings() [I] AppPath: /usr/local/bin/gitea
2023/01/19 12:40:33 ...s/install/setting.go:22:PreloadSettings() [I] AppWorkPath: /app/gitea
2023/01/19 12:40:33 ...s/install/setting.go:23:PreloadSettings() [I] Custom path: /data/gitea
2023/01/19 12:40:33 ...s/install/setting.go:24:PreloadSettings() [I] Log path: /data/gitea/log
2023/01/19 12:40:33 ...s/install/setting.go:25:PreloadSettings() [I] Configuration file: /data/gitea/conf/app.ini
2023/01/19 12:40:33 ...s/install/setting.go:26:PreloadSettings() [I] Prepare to run install page
2023/01/19 12:40:33 ...s/install/setting.go:29:PreloadSettings() [I] SQLite3 is supported
2023/01/19 12:40:34 cmd/web.go:220:listen() [I] [63c93a42-2] Listen: http://0.0.0.0:3000
2023/01/19 12:40:34 cmd/web.go:224:listen() [I] [63c93a42-2] AppURL(ROOT_URL): http://localhost:3000/
2023/01/19 12:40:34 ...s/graceful/server.go:62:NewServer() [I] [63c93a42-2] Starting new Web server: tcp:0.0.0.0:3000 on PID: 15
willec@test1:~/docker$ docker ps
CONTAINER ID   IMAGE         COMMAND                  CREATED         STATUS         PORTS                                                                                    NAMES
e7a02faea736   gitea/gitea:1 "/usr/bin/entrypoint…"   2 minutes ago   Up 2 minutes   0.0.0.0:3000->3000/tcp, :::3000->3000/tcp, 0.0.0.0:222->22/tcp, :::222->22/tcp            giteatest1
a026b8957bc9   mysql:8       "docker-entrypoint.s…"   2 minutes ago   Up 2 minutes   3306/tcp, 33060/tcp                                                                      docker_db_1
```

Visar att den körs med en
mysql databas

LAB 3 **

```
willec@test1:~/docker$ docker logs docker_db_1
2023-01-19 12:40:30+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.32-1.el8 started.
2023-01-19 12:40:30+00:00 [Note] [Entrypoint]: Switching to dedicated user 'mysql'
2023-01-19 12:40:30+00:00 [Note] [Entrypoint]: Entrypoint script for MySQL Server 8.0.32-1.el8 started.
2023-01-19 12:40:30+00:00 [Note] [Entrypoint]: Initializing database files
2023-01-19T12:40:30.615353Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be removed in a future release. Please use SET GLOBAL host_cache_size=0 instead.
2023-01-19T12:40:30.615434Z 0 [System] [MY-013169] [Server] /usr/sbin/mysqld (mysqld 8.0.32) initializing of server in progress as process 82
2023-01-19T12:40:30.645123Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2023-01-19T12:40:34.572033Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2023-01-19T12:40:36.009553Z 6 [Warning] [MY-010453] [Server] root@localhost is created with an empty password ! Please consider switching off the --initialize-insecure option.
2023-01-19 12:40:39+00:00 [Note] [Entrypoint]: Database files initialized
2023-01-19 12:40:39+00:00 [Note] [Entrypoint]: Starting temporary server
2023-01-19T12:40:40.021930Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be removed in a future release. Please use SET GLOBAL host_cache_size=0 instead.
2023-01-19T12:40:40.023766Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.0.32) starting as process 125
2023-01-19T12:40:40.038182Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2023-01-19T12:40:40.235120Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2023-01-19T12:40:40.458335Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
2023-01-19T12:40:40.458597Z 0 [System] [MY-013602] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2023-01-19T12:40:40.461533Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different dire
ctory.
2023-01-19T12:40:40.476252Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Socket: /var/run/mysqld/mysqlx.sock
2023-01-19T12:40:40.476632Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '8.0.32'  socket: '/var/run/mysqld/mysqld.sock'  port: 0  MySQL Community Server - GPL.
2023-01-19 12:40:40+00:00 [Note] [Entrypoint]: Temporary server started.
'/var/lib/mysql/mysql.sock' -> '/var/run/mysqld/mysqld.sock'
Warning: Unable to load '/usr/share/zoneinfo/iso3166.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/leapseconds' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/tzdata.zi' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone.tab' as time zone. Skipping it.
Warning: Unable to load '/usr/share/zoneinfo/zone1970.tab' as time zone. Skipping it.
2023-01-19 12:40:42+00:00 [Note] [Entrypoint]: Creating database gitea
2023-01-19 12:40:42+00:00 [Note] [Entrypoint]: Creating user gitea
2023-01-19 12:40:42+00:00 [Note] [Entrypoint]: Giving user gitea access to schema gitea

2023-01-19 12:40:42+00:00 [Note] [Entrypoint]: Stopping temporary server
2023-01-19T12:40:42.288262Z 13 [System] [MY-013172] [Server] Received SHUTDOWN from user root. Shutting down mysqld (Version: 8.0.32).
2023-01-19T12:40:43.468574Z 0 [System] [MY-010910] [Server] /usr/sbin/mysqld: Shutdown complete (mysqld 8.0.32)  MySQL Community Server - GPL.
2023-01-19 12:40:44+00:00 [Note] [Entrypoint]: Temporary server stopped

2023-01-19 12:40:44+00:00 [Note] [Entrypoint]: MySQL init process done. Ready for start up.

2023-01-19T12:40:44.488475Z 0 [Warning] [MY-011068] [Server] The syntax '--skip-host-cache' is deprecated and will be removed in a future release. Please use SET GLOBAL host_cache_size=0 instead.
2023-01-19T12:40:44.489353Z 0 [System] [MY-010116] [Server] /usr/sbin/mysqld (mysqld 8.0.32) starting as process 1
2023-01-19T12:40:44.495238Z 1 [System] [MY-013576] [InnoDB] InnoDB initialization has started.
2023-01-19T12:40:47.004057Z 1 [System] [MY-013577] [InnoDB] InnoDB initialization has ended.
2023-01-19T12:40:50.476106Z 0 [Warning] [MY-010068] [Server] CA certificate ca.pem is self signed.
2023-01-19T12:40:50.476258Z 0 [System] [MY-013602] [Server] Channel mysql_main configured to support TLS. Encrypted connections are now supported for this channel.
2023-01-19T12:40:50.479064Z 0 [Warning] [MY-011810] [Server] Insecure configuration for --pid-file: Location '/var/run/mysqld' in the path is accessible to all OS users. Consider choosing a different dire
ctory.
2023-01-19T12:40:50.490703Z 0 [System] [MY-010931] [Server] /usr/sbin/mysqld: ready for connections. Version: '8.0.32'  socket: '/var/run/mysqld/mysqld.sock'  port: 3306  MySQL Community Server - GPL.
2023-01-19T12:40:50.490782Z 0 [System] [MY-011323] [Server] X Plugin ready for connections. Bind-address: '::' port: 33060, socket: /var/run/mysqld/mysqlx.sock
willec@test1:~/docker$ docker ps
CONTAINER ID   IMAGE           COMMAND                  CREATED         STATUS         PORTS                                                                                      NAMES
e7a02faea736   gitea/gitea:1   "/usr/bin/entrypoint…"   4 minutes ago   Up 4 minutes   0.0.0.0:3000->3000/tcp, :::3000->3000/tcp, 0.0.0.0:222->22/tcp, :::222->22/tcp   giteatest1
a026b8957bc9   mysql:8         "docker-entrypoint.s…"   4 minutes ago   Up 4 minutes   3306/tcp, 33060/tcp                                                                        docker_db_1
```
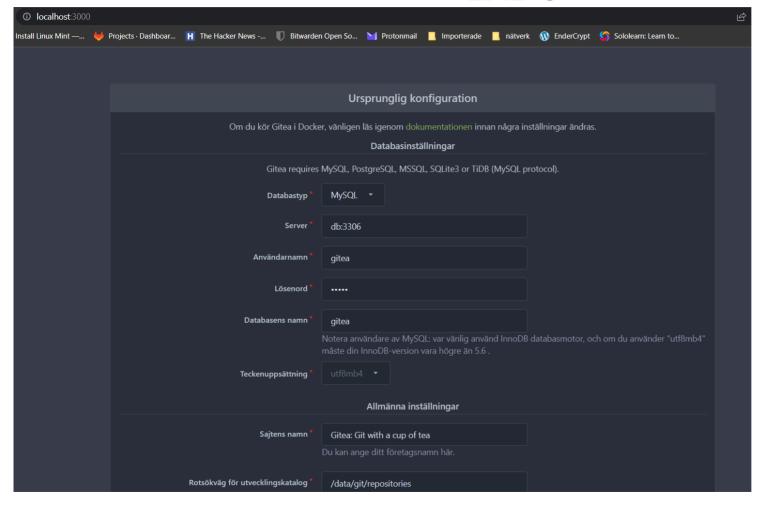
Visar att den körs med en mysql databas

LAB 3 **

Sidan fungerar

Ursprunglig konfiguration

Om du kör Gitea i Docker, vänligen läs igenom dokumentationen innan några inställningar ändras.

Databasinställningar

Gitea requires MySQL, PostgreSQL, MSSQL, SQLite3 or TiDB (MySQL protocol).

Databastyp *	MySQL ▾
Server *	db:3306
Användarnamn *	gitea
Lösenord *	•••••
Databasens namn *	gitea

Notera användare av MySQL: var vänlig använd InnoDB databasmotor, och om du använder "utf8mb4" måste din InnoDB-version vara högre än 5.6 .

Teckenuppsättning *	utf8mb4 ▾

Allmänna inställningar

Sajtens namn *	Gitea: Git with a cup of tea

Du kan ange ditt företagsnamn här.

Rotsökväg för utvecklingskatalog *	/data/git/repositories

localhost:3000

Install Linux Mint —...   Projects · Dashboar...   The Hacker News -...   Bitwarden Open So...   Protonmail   Importerade   nätverk   EnderCrypt   Sololearn: Learn to...

LAB 3 **

Repo gjort

Kontot skapades.

| Utvecklingskatalog | Organisation |

Utvecklingskataloger 0   +

🔍 Hitta en utvecklingskatalog...

Alla 0   Källor   Forks   Speglar   Kollaborativa

📕 **willec** / **test1** 🔊   👁 Avsluta bevakning 1   ☆ Stjärnmärk 0

`<> ` **Kod**   ⊙ Ärenden   📦 Packages   🖥 Projekt   📖 Wiki   ⑂ Inställningar

Snabbguide

Klona detta repo Hjälp med kloning? Se hjälp.

| **HTTP** | SSH | http://localhost:3000/willec/test1.git | ⧉ |

LAB 3 **

```
willec@test1:~/docker$ ls
docker-compose.yml  Dockerfile  gitea  mysql
willec@test1:~/docker$ cd gitea
willec@test1:~/docker/gitea$ ls
git  gitea  ssh
willec@test1:~/docker/gitea$ cd ..
willec@test1:~/docker$ cd mysql
willec@test1:~/docker/mysql$ ls
 auto.cnf          binlog.index    client-cert.pem  '#ib_16384_0.dblwr'   ibdata1      '#innodb_temp'   mysql.sock           public_key.pem      sys
 binlog.000001     ca-key.pem      client-key.pem   '#ib_16384_1.dblwr'   ibtmp1        mysql           performance_schema   server-cert.pem     undo_001
 binlog.000002     ca.pem          gitea             ib_buffer_pool      '#innodb_redo'  mysql.ibd      private_key.pem       server-key.pem      undo_002
willec@test1:~/docker/mysql$
```

Visar att den sparar gitea och mysql
configurationen på host maskinen