

# Build web application server from Source

This short tutorial shows how to build Teedy. Finally you will get a ready-to-deploy dms.war java archive file.

## Pre-Requisites

```
sudo add-apt-repository ppa:openjdk-r/ppa
sudo apt update
sudo apt install openjdk-11-jdk maven npm jetty11

sudo ln -s /usr/bin/nodejs /usr/bin/node
npm install -g grunt-cli
npm install -g npm@latest
```

## Building

Additional steps are included in the following bash script.

- Adjust code for GDPR (data privacy → add some custom URLs to satisfy german TMG)
- adjusting hibernate pool size to allow more connections
- some CSS fix for bigger preview images

```
#!/bin/bash
BASE="/opt/teedy"

#altes Repo löschen
#rm -rf /opt/teedy/

#clone
git clone https://github.com/sismics/docs.git ${BASE}
cd ${BASE}/

#to update existing repo:
git stash
git pull

#GDPR adjustments
sed -i 's/<li>v{{ app.current_version }}</li>/<li><a
```

```
href=\"https://stadtfabrikanten.org/impressum">Impressum</a></li><li><a
href=\"https://stadtfabrikanten.org/datenschutz">Datenschutz</a></li><li>v{{
app.current_version }}</li>/g' ${BASE}/docs-web/src/main/webapp/src/share.html
sed -i 's/<li>v{{ app.current_version }}</li>/<li><a
href=\"https://stadtfabrikanten.org/impressum">Impressum</a></li><li><a
href=\"https://stadtfabrikanten.org/datenschutz">Datenschutz</a></li><li>v{{
app.current_version }}</li>/g' ${BASE}/docs-web/src/main/webapp/src/index.html

#CSS fix
sed -i 's/42px/100px/g' ${BASE}/docs-web/src/main/webapp/src/style/main.less

#Adjust hibernate.pool_size from 10 to 50
sed -i 's/"hibernate.connection.pool_size", "10"/"hibernate.connection.pool_size",
"50"/g' ${BASE}/docs-core/src/main/java/com/sismics/util/jpa/EMF.java

#Building
cd ${BASE}/
mvn clean -DskipTests install

cd ${BASE}/docs-web
mvn -Pprod -DskipTests clean install

#Apply
JETTY_WEBAPPS_DIR="/opt/jetty-home-11.0.15/jetty-base/webapps"
service jetty11 stop
mv ${JETTY_WEBAPPS_DIR}/dms.war ${JETTY_WEBAPPS_DIR}/dms.war.bak
cp /opt/teedy/docs-web/target/docs-web-1.*-SNAPSHOT.war ${JETTY_WEBAPPS_DIR}/dms.war
chown jetty:adm ${JETTY_WEBAPPS_DIR}/dms.war

systemctl restart jetty11
journalctl -f -u jetty11.service
```

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Version #1

Erstellt: 15 Mai 2025 09:54:39 von Mario Voigt

Zuletzt aktualisiert: 15 Mai 2025 09:57:14 von Mario Voigt