Overleaf

- Overleaf mit Docker-Compose
- Biblatex_Paket für Zitieren

Overleaf mit Docker-Compose

Methode 1: Overleaf-Toolkit-Skripte

Link: https://github.com/overleaf/toolkit

Methode 2: Docker-Compose

Änderungen zum offiziellen docker-compose:

- Redis-Version 6.2
- Mongo-Version 4.4
  - bei mongo den command: "--replSet overleaf" unbedingt setzen, wenn MongoDB-Version > 4.0
  - ebenfalls healthcheck angepasst, sonst error im overleaf container
  - reverse-proxy settings

```
---
version: '2.2'
services:
  sharelatex:
    restart: always
    image: sharelatex/sharelatex:with-texlive-full
    container_name: sharelatex
    depends_on:
      mongo:
        condition: service_healthy
      redis:
        condition: service_started
    links:
      - mongo
      - redis
    volumes:
      - /var/lib/docker/volumes/sharelatex:/var/lib/sharelatex
```

```
    ports:
      - XXX.XXX.XXX.XXX:8280:80 #IP:Port nach außen angeben
    environment:
      EXTERNAL_AUTH: none
      GIT_BRIDGE_ENABLED: false
      GIT_BRIDGE_HOST: "git-bridge"
      GIT_BRIDGE_PORT: "8000"
      REDIS_HOST: redis
      REDIS_PORT: 6379
      SHARELATEX_MONGO_URL: mongodb://mongo/sharelatex
      SHARELATEX_REDIS_HOST: redis
      V1_HISTORY_URL: "http://sharelatex:3100/api"

      # content of variables.env file
      SHARELATEX_APP_NAME: "Strootnfruity Overleaf Instance"
      ENABLED_LINKED_FILE_TYPES: 'project_file,project_output_file'
      ## Enables Thumbnail generation using ImageMagick
      ENABLE_CONVERSIONS: true
      # Disables email confirmation requirement
      EMAIL_CONFIRMATION_DISABLED: true
      # temporary fix for LuaLaTex compiles
      # see https://github.com/overleaf/overleaf/issues/695
      TEXMFVAR: /var/lib/sharelatex/tmp/texmf-var

      #Host Settings
      VIRTUAL_HOST: overleaf.strootnfruity.de
      #SHARELATEX_SITE_URL: overleaf.strootnfruity.de
      SHARELATEX_NAV_TITLE: My Sharelatex Instance
      #SHARELATEX_HEADER_IMAGE_URL: http://somewhere.com/mylogo.png
      #SHARELATEX_ADMIN_EMAIL: NAME@gmail.com
      SHARELATEX_LEFT_FOOTER: '[{"text": "Powered by <a
href=\"https://github.com/sharelatex/sharelatex\">ShareLaTeX</a>"}]'
      #SHARELATEX_RIGHT_FOOTER: '[{"text": "rechter Footer Text"} ]'
      SHARELATEX_EMAIL_FROM_ADDRESS: "hdung.nguyen@outlook.de"
      #SHARELATEX_EMAIL_REPLY_TO: "hdung.nguyen@outlook.de"

      # Nur setzten wenn ein HTTPS Reverse Proxy eingerichtet ist
      SHARELATEX_BEHIND_PROXY: 'true'
      SHARELATEX_SECURE_COOKIE: 'true'
```

```
      #SMTP Settings
      SHARELATEX_EMAIL_SMTP_HOST: smtp-mail.outlook.com
      SHARELATEX_EMAIL_SMTP_PORT: 587
      SHARELATEX_EMAIL_SMTP_SECURE: false
      SHARELATEX_EMAIL_SMTP_USER: ...@outlook.de
      SHARELATEX_EMAIL_SMTP_PASS: MYPW
      SHARELATEX_EMAIL_SMTP_TLS_REJECT_UNAUTH: true
      SHARELATEX_EMAIL_SMTP_IGNORE_TLS: false
      # SHARELATEX_EMAIL_SMTP_NAME: '127.0.0.1'
      # SHARELATEX_EMAIL_SMTP_LOGGER: true
      # SHARELATEX_CUSTOM_EMAIL_FOOTER: "This system is run by department x"

      # Setzt die Sprache der Seite auf Deutsch
      SHARELATEX_SITE_LANGUAGE: 'de'

    stop_grace_period: 60s

  redis:
    restart: always
    image: redis:6.2
    volumes:
      - /var/lib/docker/volumes/redis:/data
    container_name: redis
    expose:
      - 6379

  mongo:
    restart: always
    image: mongo:4.4
    container_name: mongo
    command: "--replSet overleaf"
    volumes:
      - /var/lib/docker/volumes/mongo:/data/db
    expose:
      - 27017
    healthcheck:
      test: "mongo --quiet --eval 'rs.hello().setName ? rs.hello().setName : rs.initiate({_id:
\"overleaf\",members:[{_id: 0, host:\"mongo:27017\"}]})'"
    #healthcheck:
    #  test: echo 'db.stats().ok' | mongo localhost:27017/test --quiet
```

```
      interval: 10s
      timeout: 10s
      retries: 5
```

Biblatex_Paket für Zitieren

Overleaf CE Probleme mit biblatex Paket: https://github.com/overleaf/overleaf/issues/1030

Folgende Befehle im Container ausführen:

```
tlmgr update --self

tlmgr install revtex amsmath textcase listings fncychap biblatex cancel pdfpages setspace
footmisc bigfoot multirow lettrine minifp textpos subfig caption placeins epigraph pdflscape
ec cm-super biber biblatex times bibtex collection-latexrecommended collection-latexextra
collection-bibtexextra collection-fontsrecommended

tlmgr install collection-mathscience collection-pstricks collection-fontutils collection-
fontsextra collection-binextra

tlmgr install xetex

apt-get update && apt install -y context libxml-libxslt-perl cpanminus && rm -rf
/var/lib/apt/lists/*

mtxrun --generate && mktexlsr && updmap-sys && fmtutil-sys --all

cpanm install Module::Build && cpanm install PAR::Packer; rm -fr root/.cpanm; exit 0

tlmgr path add

% Nicht nötig
RUN cd /home && wget https://github.com/plk/biber/archive/refs/tags/v2.18.zip && unzip
v2.18.zip && cd biber-2.18/ && perl ./Build.PL && ./Build installdeps && ldconfig && ./Build
test && ./Build install
```