

Deployment Manual

Check-out:

git clone git@git.itm.uni-luebeck.de:juerges/latex-editor.git

CompiLaTeX

Requirements:

- Java 7
- Maven

Configure:

src/main/resources/META-INF/persistence.xml

```
<property name="eclipselink.target-database" value="MySQL"/>
<property name="javax.persistence.jdbc.driver"
value="com.mysql.jdbc.Driver"/>
<property name="javax.persistence.jdbc.url"
value="jdbc:mysql://localhost:3306/compilatex"/>
<property name="javax.persistence.jdbc.user" value="root"/>
<property name="javax.persistence.jdbc.password" value="123456"/>
```

change values for **URL**, **user** and **password** so they match the local MySQL database credentials

Build:

cd latex-editor/CompiLaTeX

mvn package

→ artifact can be found in **./target/CompiLaTeX-1.0-SNAPSHOT.war**

Requirements:

- a web server (e.g. Tomcat 7)
- a running MySQL database

Deployment:

- deploy **target/CompiLaTeX-1.0-SNAPSHOT.war** to Tomcat
- optional: create **alias** in Tomcat like **http://x.x.x.x:xxx/compilatex** otherwise the domain would be rather ugly, like e.g. **http://x.x.x.x:xxx/CompiLaTeX-1.0-SNAPSHOT/**

CollaboraTeX

Requirements:

- Java 7
- Maven

Configure:

src/main/webapp/WEB-INF/assets/js/rest-compilatex.js

```
/* base URI for the CompilLaTeX REST Services */  
var baseURI = 'http://host:port/compilatex/rest';
```

change **baseURI** to path that CompilLaTeX is deployed to
(and don't forget to append /rest !)

Build:

```
cd latex-editor/CollaboraTeX
```

```
mvn package
```

→ artifact can be found in **./target/CollaboraTeX-1.0-SNAPSHOT.war**

Requirements:

- an OpenStack IaaS
- a running or at least installed and configured AppScale instance on OpenStack

Deployment:

- login to OpenStack
- optional: if AppScale does not run yet, execute:

```
appscale up
```

- copy application to server or deploy remotely

```
appscale deploy ~/path-to/CollaboraTeX-1.0-SNAPSHOT.war
```

Output:

```
...
```

```
Done starting up AppScale, now in heartbeat mode
```

```
Uploading collaboratex...
```

```
We have reserved the name collaboratex for your application.
```

```
...
```

```
Please wait for your app to start up.
```

Your app can be reached at the following URL: <http://192.168.178.70:8080>

open URL in browser and see if the web application is reachable