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Setup:Installation Guide/System Preparation/Linux/MariaDB

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BlueSpice stores your content in a database for which you need to install a corresponding server. The steps listed here are required.

Installing MariaDB

Install MariaDB via Aptitude:

```
apt update; \  
apt install mariadb-server mariadb-client; \  
apt clean
```

Create database user for BlueSpice

After installation, immediately create a database user for MariaDB directly with the following command:

```
mysql -e "GRANT ALL ON bluespice.* TO 'bluespice'@'127.0.0.1' IDENTIFIED BY '<ein  
Passwort Ihrer Wahl>';"
```

Next Step

If you have completed all steps successfully, you can proceed to the next step "[Jetty](#)".

Jetty on Linux

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Jetty is a prerequisite for using PDF export and VisualDiff (BlueSpice pro only). The steps listed here are optional and only required if you plan to use one or more of these services in your BlueSpice installation.

Introduction

An alternative to Jetty is Apache Tomcat, which you can also find in the package manager of Debian. However, since Jetty works better, this is preferred in this documentation.

Installing Jetty

Install Jetty via Aptitude:

```
apt update; \  
apt install jetty9; \  
apt clean
```

Configuration

To configure, open the file `/etc/default/jetty9` in a text editor of your choice (vi, nano). Put the following line at the very end of the file:

```
JAVA_OPTIONS="-Xms512m -Xmx1024m -Djetty.host=127.0.0.1"
```

Restart Jetty with the command `service jetty9 restart`.

Installing the web apps

After successful installation of BlueSpice, follow the next steps to install the web services and activate the respective BlueSpice extension:

- [PDF Export](#)
- [VisualDiff](#) (BlueSpice pro only)

Next step

If you have successfully completed all steps, you can proceed to the next step" [Elasticsearch](#)".