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Installing Texvc

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Note: Texvc is a program that reads in mathematical expressions. It is needed for the correct operation of the MediaWiki extension "Math". These are functionalities of BlueSpice pro. For this purpose, the steps listed here are required for BlueSpice pro.

Prerequisite

A prerequisite for installing Texvc is the installation of some external packages in your Linux distribution with the following commands:

```
apt update; \  
apt install dvipng \  
g++ \  
gcc \  
make \  
ocaml-nox \  
texlive-latex-base \  
texlive-latex-extra; \  
apt clean
```

Installation

To install Texvc, go to the codebase of your BlueSpice sources in the folder `extensions/Math/math`. Here, execute the command `make`. Texvc will now be compiled.

After finishing the process, move the `texvc` file that was just created in the same folder to `/usr/local/bin` and make it executable by the following commands.

```
chown root:staff /usr/local/bin/math; \  
chmod +x /usr/local/bin/math
```

Next Step

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

Installing PhantomJS

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Note: PhantomJS is a so-called headless browser that can render screenshots of web pages. This is required for the web page preview in Advanced Search and the Recent Changes Overview in your BlueSpice installation. These are functionalities of BlueSpice pro. For this purpose, the steps listed here are required.

Important! In this documentation, we use PhantomJS version 2.1.1. This is just an example of the latest version that you can download at the time of installation.

Download

Go to the [download page of PhantomJS](#) and download the 64-bit version for Linux. Transfer the file to your server.

Installation

Unpack the downloaded bz2 archive on the server with the command `tar xjf phantomjs-2.1.1-linux-x86_64.tar.bz2`. In the unpacked folder `phantomjs-2.1.1-linux-x86_64`, you will find another folder with the name `bin`. Within this folder is the file `phantomjs`. Copy this file into the `/usr/local/bin` folder. Then adjust the rights of the file:

```
chown root:staff /usr/local/bin/phantomjs; \  
chmod +x /usr/local/bin/phantomjs
```

Completing the system preparation

If you have completed all steps successfully, you can now continue with [installing BlueSpice](#).