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## Setup:Installation Guide/System Preparation/Linux /Memcached

A [quality version](#) of this page, [approved](#) on *28 September 2021*, was based off this revision.

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**Memcached is a cache server to improve the performance of your BlueSpice installation. It is not required for the actual operation of BlueSpice. The steps listed here are therefore optional.**

## Installation

---

Install Memcached with Aptitude:

```
apt-get update; \  
apt-get -y install memcached; \  
apt-get clean
```

## Configuration

---

Open the file containing the memcached configuration (for example, /etc/memcached.conf on Debian / Ubuntu). Find the '-m' argument there and increase the available memory according to your server's capabilities:

```
-m 512
```

Save and close the file and restart memcached with `service memcached restart`.

## Next step

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If you have completed all steps successfully and want to install BlueSpice pro, proceed to the next step "[Texvc](#)". If you want to install BlueSpice free, you can now continue with [Installing BlueSpice](#).

## Setup:Installation Guide/BlueSpice Installation

A [quality version](#) of this page, [approved](#) on *17 September 2019*, was based off this revision.

Please select which installation type you need:

- [Full BlueSpice 3 installation with installer](#)
- [BlueSpice 3 WikiFarm installation](#)
- [BlueSpice 3 update form version 2.27.x to the current version of BlueSpice](#)

## Installing Texvc

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**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

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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

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