

TOWiOS

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JOOMLA (4) INSTALLATION - UBUNTU 23.04 LTS

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Note:

The following websites have been used for reference:

- <https://www.joomla.org/>
- <https://downloads.joomla.org/>
- <https://linuxhostsupport.com/blog/how-to-install-joomla-4-0-on-ubuntu-20-04/>
- <https://www.digitalocean.com/community/tutorials/how-to-install-joomla-on-a-virtual-server-running-ubuntu-12-04>
- <http://www.cyberciti.biz/faq/mysql-change-user-password/>

The following instructions are to install Joomla locally on Ubuntu.

If you use these instructions you do so at your own risk. They are not considered 'perfect', and are purely for testing purposes.

1> INSTALL SOFTWARE

Install packages for apache, mysql and php:

```
sudo apt install unzip php php-common libapache2-mod-php php-cli php-fpm php-mysql php-json  
php-opcache php-gmp php-curl php-intl php-mbstring php-xmlrpc php-gd php-xml php-zip mysql-client  
mysql-server
```

It will suggest additional packages and you will be asked to continue:

Do you want to continue? [Y/n] (Enter)

Note: At the time of writing, version 8.1 of php was installed. (Yours may be newer - make a note of the version.)

2> DOWNLOAD JOOMLA

Download the latest .zip Joomla file:

<https://downloads.joomla.org/>

Extract the downloaded directory:

```
sudo unzip /home/username/Downloads/Joomla_4.3.2-Stable-Full_Package.zip -d /var/www/html/joomla
```

Note: Enter the relevant username, and Joomla version (at the time of writing, it was 4.3.2).

3> WEB SERVER (APACHE2) & PHP SETUP

Amend the php.ini file:

```
sudo nano /etc/php/8.1/apache2/php.ini
```

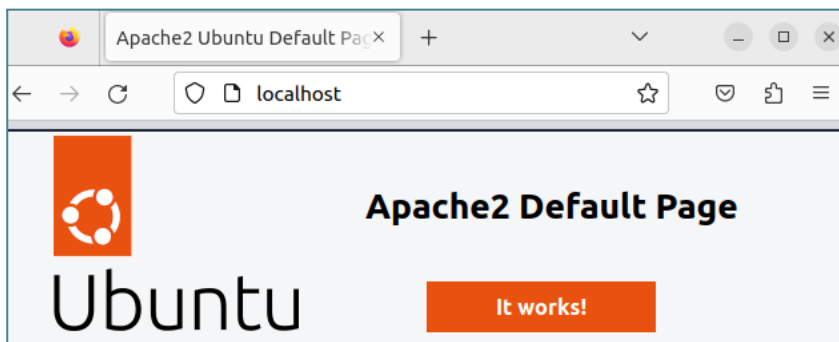
- Remove the comment (semi-colon ;) by line: **max_input_vars**
- Increase the size of **max_input_vars** to at least **5000**
- Increase **memory_limit = 512M**
- Change **upload_max_filesize = 256M**
- Change **post_max_size = 256M**
- Increase **max_execution_time = 300**
- Change **max_file_uploads = 40**
- Search for **output_buffering = 4096** and change this to **output_buffering = off**

Start the web server:

```
sudo service apache2 start
```

Check the webserver is running:

Load firefox and go to <http://localhost>



Note: Your php version may vary.

4> MYSQL SETUP

Start mysql:

```
sudo service mysql start
```

Log into mysql:

```
sudo mysql -u root -p
Enter password (enter)
```

Create database:

```
CREATE DATABASE joomla_db;
```

Check database was created:

```
show databases;
```

Create database user:

```
CREATE USER 'joomlauser'@'localhost' IDENTIFIED BY 'Password123!&';
```

Assign database permissions:

```
GRANT ALL PRIVILEGES ON joomla_db.* TO 'joomlauser'@'localhost';
```

Clear cache:

```
FLUSH PRIVILEGES;
```

Leave mysql:

```
quit;
```

Note: Anything underlined can be changed to suit your needs - but remember them for 'Step 6'. Highlighted details must match.

5> WEB SERVER PERMISSIONS

Set permissions for the web server:

```
sudo chown -R www-data: /var/www/html/joomla
```

Restart the web server:

```
sudo service apache2 restart
```

6> INSTALL JOOMLA

Firefox, go to: <http://localhost/joomla/>

1. Joomla Install:

- a. **Select Installation Language:** English (United Kingdom)
- b. **Setup Site Name:** website-1

(Setup Login Data >)

2. Login Data:

- a. **Enter the real name of your Super User.*:** Firstname Lastname
- b. **Set the username for your Super User account.*:** SuperUser
- c. **Set the password for your Super User account.*:** Complex123!&
- d. **Enter the email address of the website Super User.*:** Enter an email address

(Setup Database Connection >)

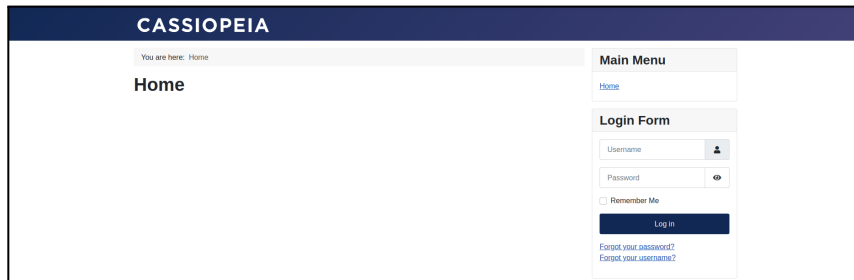
3. Database Configuration: (These will link back to step 4)

- Select the database type*: *MySQLi*
- Enter the host name, usually "localhost" or a name provided by your host*: *localhost*
- Either a username you created or a username provided by your host*: *joomlauser*
- Either a password you created or a password provided by your host*: *Password123!&*
- Enter the database name*: *joomla_db*
- Enter a table prefix or use the randomly generated one*: *Leave with what is auto generated*
- Connection Encryption*: *Default (server controlled)*

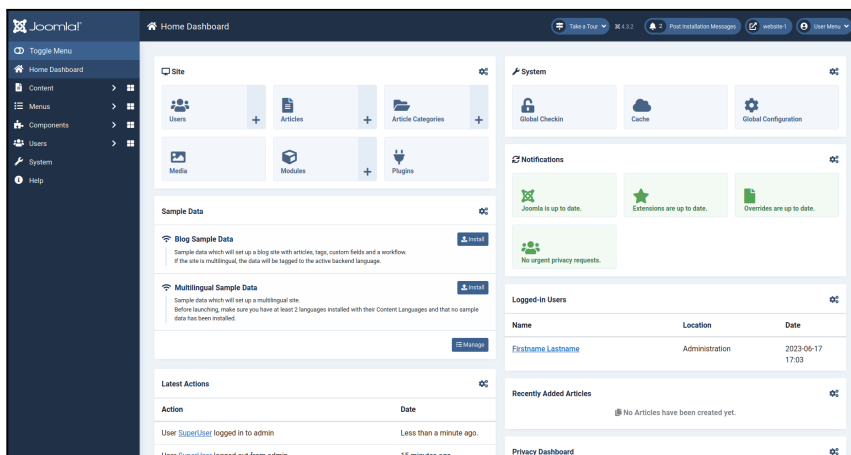
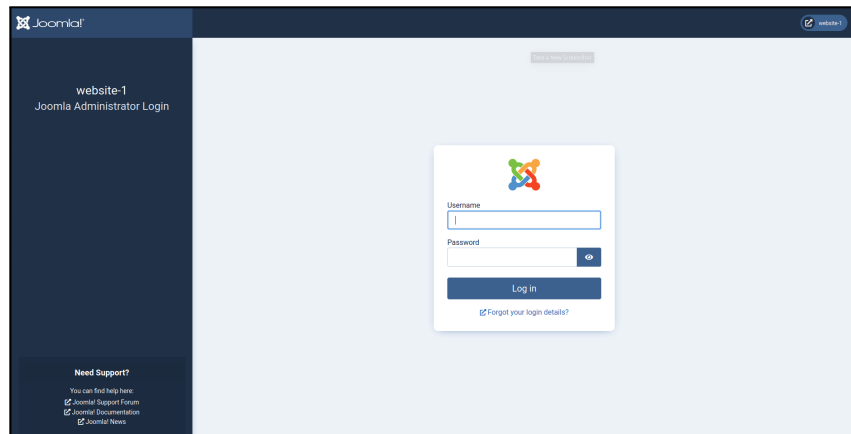
(Install Joomla >)

4. Installation complete. (A or B):

a. Open Site:



b. Open Administrator:



Note: To view the website: <http://localhost/joomla> . To administer: <http://localhost/joomla/administrator> .