

Moodle Installation on Ubuntu Linux

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Moodle Installation on Ubuntu Linux

Would you like to learn how to do a Moodle installation on Ubuntu Linux? In this tutorial, we are going to show you how to install, configure and access Moodle on a computer running Ubuntu Linux.

- Ubuntu 18.04
- Ubuntu 19.04
- Moodle 3.8.1

Moodle Related Tutorial:

On this page, we offer quick access to a list of tutorials related to Moodle.

 [List of Tutorials - Moodle](#)

Tutorial - Moodle Installation on Ubuntu Linux

Install a list of required applications.

```
1 apt-get update
2 apt-get install graphviz aspell ghostscript clamav gi
```

Install the MySQL database service.

```
1 apt-get update
2 apt-get install mysql-server mysql-client
```

Install the Apache webserver with PHP support.

```
1 apt-get update
2 apt-get install apache2 php libapache2-mod-php php-cl
3 apt-get install php-gd php-xml php-bcmath php-ldap ph
```

Restart the Apache service.

```
1 service apache2 restart
```

Download and install the Moodle application.

```
4 tar -zxvf moodle-latest-38.tgz
5 cp /downloads/moodle /var/www/html/ -R
6 chown www-data.www-data /var/www/html/moodle -R
7 chmod 0755 /var/www/html/moodle -R
```

Create a required directory named moodledata.

```
1 mkdir /var/www/moodledata
2 chown www-data /var/www/moodledata -R
3 chmod 0770 /var/www/moodledata -R
```

You have finished the moodle installation.

Tutorial Moodle - Database Configuration

Access the MySQL service command-line.

```
1 mysql -u root -p
```

Create a database named moodle.

```
1 CREATE DATABASE moodle DEFAULT CHARACTER SET utf8mb4
```

Create a MySQL user named moodle.

```
1 CREATE USER 'moodle'@'localhost' IDENTIFIED WITH mysql_native_password BY 'kamisma123';
```

In our example, the password kamisma123 was set to the MySQL user named moodle.

Give the MySQL user named moodle permission over the database named moodle.

```
1 GRANT SELECT,INSERT,UPDATE,DELETE,CREATE,CREATE TEMPORARY TABLES ON moodle.* TO 'moodle'@'localhost';
2 quit;
```

You have finished the moodle database installation.

Tutorial - Moodle Web Installer

Open your browser and enter the IP address of your web server plus /moodle.

In our example, the following URL was entered in the Browser:

• http://192.168.0.10/moodle

The Moodle web installation interface should be presented.

Select the desired language and click on the Next button.

Language

Check the moodle installation URL, directory, data directory and click on the Next button.

Web address	<input type="text" value="http://192.168.0.10/moodle"/>
Moodle directory	<input type="text" value="/var/www/html/moodle"/>
Data directory	<input type="text" value="/var/www/moodledata"/>

Select the Improved MySQL (native/mysqli) and click on the Next button,

Enter the Database information required to connect to the Moodle database.

- Database host: localhost
- Database name: moodle
- Database password: kamisama123
- Tables prefix: mdl_

Database host	<input type="text" value="localhost"/>
Database name	<input type="text" value="moodle"/>
Database user	<input type="text" value="moodle"/>
Database password	<input type="text" value="kamisama123"/>
Tables prefix	<input type="text" value="mdl_"/>
Database port	<input type="text"/>
Unix socket	<input type="text"/>

On the next screen, read the license agreement and click on the the Next button.

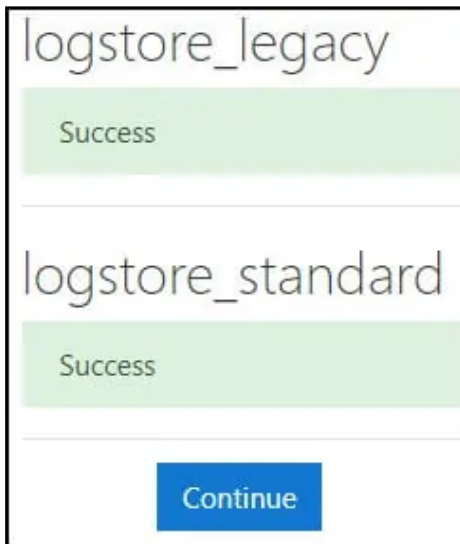
Confirm

Have you read these conditions and understood them?

Make sure all PHP requirements are met and click on the Continue button.

unicode		❗ must be installed and enabled	OK
database	mysql (8.0.19-0ubuntu0.19.10.3)	❗ version 5.6 is required and you are running 8.0.19.0.0.19.10.3	OK
php		❗ version 7.1.0 is required and you are running 7.3.11.0.0.19.10.2	OK
pcrcuicode		❗ should be installed and enabled for best results	OK
php_extension	iconv	❗ must be installed and enabled	OK
php_extension	mbstring	❗ should be installed and enabled for best results	OK
php_extension	curl	❗ must be installed and enabled	OK
php_extension	openssl	❗ must be installed and enabled	OK
php_extension	tokenizer	❗ should be installed and enabled for best results	OK
php_extension	xmlrpc	❗ should be installed and enabled for best results	OK
php_extension	soap	❗ should be installed and enabled for best results	OK
php_extension	ctype	❗ must be installed and enabled	OK
php_extension	zip	❗ must be installed and enabled	OK
php_extension	zlib	❗ must be installed and enabled	OK
php_extension	gd	❗ must be installed and enabled	OK
php_extension	simplexml	❗ must be installed and enabled	OK
php_extension	spl	❗ must be installed and enabled	OK
php_extension	pcre	❗ must be installed and enabled	OK
php_extension	dom	❗ must be installed and enabled	OK
php_extension	xml	❗ must be installed and enabled	OK
php_extension	xmlreader	❗ must be installed and enabled	OK
php_extension	intl	❗ must be installed and enabled	OK
php_extension	json	❗ must be installed and enabled	OK
php_extension	hash	❗ must be installed and enabled	OK
php_extension	fileinfo	❗ must be installed and enabled	OK
php_setting	memory_limit	❗ recommended setting detected	OK
php_setting	file_uploads	❗ recommended setting detected	OK
php_setting	opcache.enable	❗ recommended setting detected	OK

Wait the moodle installation to finish and click on the Continue button.



On the next screen, perform the following configuration:

- Username - Enter the administrative user account name desired
- Choose an authentication method - default
- New password - Enter the administrative user password
- First name - The administrator's Name
- Surname - The administrator's Surname
- email address - The administrator's email address
- Select a Country - The administrator's country
- Timezone - Select the desired timezone

Click on the Update Profile button.

Username

Choose an authentication method Manual accounts

New password Force password change

First name

Surname

Email address

Email display

City/town

Select a country

Timezone

Enter a name and a description to your Moodle website.

New settings - Front page settings

Full site name

Short name for site (eg single word)

Front page summary

Select the correct timezone, disable the self registration feature and set an outgoing email address.

New settings - Location settings

Default timezone

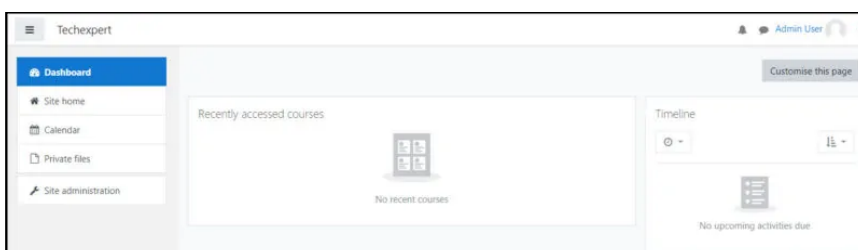
New settings - Manage authentication

Self registration

New settings - Outgoing mail configuration

No-reply address

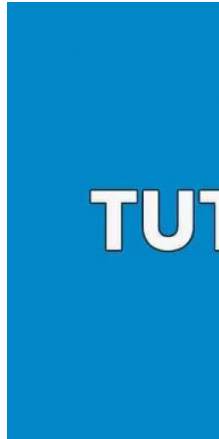
Click on the Save changes button to access the Moodle dashboard.





[Moodle - LDAP Authentication on the Active Directory](#)

April 10th, 2020



[Moodle - Pass](#)

February 4th, 2020

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