

Install MAGENTO 2.3.5 UBUNTU 20.04 Using lemp

Prerequisites

- An Ubuntu 20.04 VPS with root access enabled, or a user with or a user with Sudo privileges is also required
 - 2GB of RAM or higher
 - MySQL 5.6 or 5.7 version, (or MariaDB >= 10.0, or higher, Percona 5.7, or any other binary-compatible MySQL database server)
 - nginx, or Apache webserver with mod_rewrite module enabled
 - PHP 7.3 with bcmath, ctype, curl, dom, gd, hash, iconv, intl, libxml, mbstring, openssl, pdo_mysql, simplexml, soap, xsl and zip extensions enabled. Also, for performance reasons, it is a good idea to install and enable the opcache extension.
 - A valid domain name for accessing the Magento 2 website. Also, a valid SSL certificate is required for accessing the website using HTTPS.
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- LEMP is **an open-source web application stack used to develop web applications**. The term **LEMP** is an acronym that represents **L** for the **Linux Operating system**, **Nginx** (pronounced as engine-x, hence the **E** in the acronym) web server, **M** for **MySQL** database, and **P** for **PHP** scripting language.

nginx 1.8 install

```
sudo apt-get install nginx
```

```
check version= nginx -v
```

```
Check status nginx= sudo systemctl status nginx
```

If Nginx is not running, use the following command to launch the Nginx service:

```
sudo systemctl start nginx
```

****mysql****

Download version 5.6.46 from MySQL site

wget

```
https://dev.mysql.com/get/Downloads/MySQL-5.6/mysql-5.6.46-linux-glibc2.12-x86_64.tar.gz
```

Add mysql user group=sudo groupadd mysql

Add mysql (not the current user) to mysql user group=

```
sudo useradd -g mysql mysql
```

Extract it=

```
sudo tar -xvf mysql-5.6.46-linux-glibc2.12-x86_64.tar.gz
```

Move it to /usr/local=

```
sudo mv mysql-5.6.46-linux-glibc2.12-x86_64 /usr/local/
```

Create mysql folder in /usr/local by moving the untarred folder=

```
cd /usr/local
```

```
sudo mv mysql-5.6.46-linux-glibc2.12-x86_64 mysql
```

set MySql directory owner and user group=

```
cd mysql
```

```
sudo chown -R mysql:mysql *
```

Install the required lib package=

```
sudo apt-get install libaio1 libncurses5
```

Execute mysql installation script=

```
sudo scripts/mysql_install_db --user=mysql
```

Set mysql directory owner from outside the mysql directory=
sudo chown -R root .

Set data directory owner from inside mysql directory=
sudo chown -R mysql data

Copy the mysql configuration file=
sudo cp support-files/my-default.cnf /etc/my.cnf

Start mysql=
sudo bin/mysqld_safe --user=mysql &
sudo cp support-files/mysql.server /etc/init.d/mysql.server

Set root user password=
sudo bin/mysqladmin -u root password '[your new password]'

Add mysql path to the system=
sudo ln -s /usr/local/mysql/bin/mysql /usr/local/bin/mysql

create database magento;

create user 'magento user1'@'localhost' IDENTIFIED BY

{'magento12022';
Username
Host name
password}

GRANT ALL ON magento.* TO 'magento user1'@'localhost';

reloads the grant tables in the mysql database enabling the
changes to take effect without reloading or restarting mysql
service=
flush privileges;

****php****

Add repository=sudo add-apt-repository ppa:ondrej/php

Update the system=sudo apt-get update

Install php 7.3=sudo apt-get install -y php7.3

sudo apt-get install php7.3-bcmath php7.3-common php7.3-curl
php7.3-fpm php7.3-gd php7.3-intl php7.3-mbstring php7.3-mysql
php7.3-soap php7.3-xml php7.3-xsl php7.3-zip

****composer****

Install composer=sudo apt install composer

Testing composer=composer

Version check=composer -v

****magento2.3.5****

*create magento account (magento.com)

make directory= mkdir -p /var/www/magento2/

change directory=cd /var/www/magento2/

install= composer create-project

--repository-url=https://repo.magento.com/

magento/project-community-edition=2.3.5 magento2/

(authentication require)

public key as a user name

private key as a password

Setup magento with db

```
bin/magento setup:install --base-url=http://magento2.com/  
--db-host=127.0.0.1 --db-name=magentodb --db-user=root  
--db-password=test123 --admin-firstname=savad  
--admin-lastname=kt --admin-email=savadkt642@gmail.com  
--admin-user=`admin_85tnug` --admin-password=admin123  
--language=en_US --currency=USD --timezone=America/Chicago  
--use-rewrites=1
```

CHANGE THE OWNERSHIP MAGENTO DIRECTORY TO
WWW-DATA

```
chown -R www-data:www-data /home/cloudfz1/magento/
```

CREATE NGINX CONFIGURATION FILES

```
cd /etc/nginx/sites-enabled/
```

```
ls
```

```
sudo nano default
```

```
upstream fastcgi_backend {  
server unix:/run/php/php7.3-fpm.sock;  
}  
server {  
server_name *.magento2.com;  
listen 80;  
set $MAGE_ROOT /home/savad/magento2;  
set $MAGE_MODE developer; # or production  
access_log /var/log/nginx/magento2-access.log;
```

```
error_log /var/log/nginx/magento2-error.log;  
include /home/magento/nginx.conf.sample;  
}
```

magentoadmin user

user name:savadkt
pass:savadkt123