## **Sudo Installation of LAMP(Apache) stack and Magento2.4.2**

### **Run Update & Upgrade Command**

**sudo apt update -y**

### **Install Apache2**

**sudo apt install apache2 -y**

### **Start apache2 and check status**

**sudo systemctl start apache2**

**sudo systemctl status apache2**

### **Open Browser and Type**

**http://server\_name**

**OR**

**http://your-domain.com**

### **Add php Repository**

**sudo apt-get install software-properties-common**

**sudo add-apt-repository ppa:ondrej/php**

**sudo apt-get update**

### **Install php7.4**

**sudo apt install php7.4 php7.4-{bcmath,curl,dom,gd,intl,simplexml,soap,xsl,mbstring,bcmath,mysql,common,cli,zip} -y**

### **Check php**

**sudo nano /var/www/html/info.php**

**<?php**

**phpinfo();**

**?>**

**#open Browser :- http://localhost/info.php**

### **Install mysql-server**

**sudo apt install mysql-server**

### **Install phpmyadmin**

**wget** [**https://files.phpmyadmin.net/phpMyAdmin/5.2.0/phpMyAdmin-5.2.0-all-languages.tar.gz**](https://files.phpmyadmin.net/phpMyAdmin/5.2.0/phpMyAdmin-5.2.0-all-languages.tar.gz)

**tar -xf phpMyAdmin-5.2.0-all-languages.tar.gz**

**sudo mv phpMyAdmin-5.2.0-all-languages phpmyadmin**

**sudo mv phpmyadmin /var/www/html/**

**cd /var/www/html/phpmyadmin**

**sudo mkdir tmp**

**sudo cp /var/www/html/phpmyadmin/config.sample.inc.php /var/www/html/phpmyadmin/config.inc.php**

**sudo nano /var/www/html/phpmyadmin/config.inc.php**

**Open this link**

[**https://phpsolved.com/phpmyadmin-blowfish-secret-generator/?g=5cecac771c51c**](https://phpsolved.com/phpmyadmin-blowfish-secret-generator/?g=5cecac771c51c)

**$cfg['blowfish\_secret'] = 'b1]zG8FG.CThVEZG3MBZ03MSmgX9QU7M';**

**Add at the end of page**

**$cfg['TempDir'] = '/var/www/html/phpmyadmin/tmp';**

**sudo chown -R www-data:www-data /var/www/html/phpmyadmin**

**sudo find /var/www/html/phpmyadmin/ -type d -exec chmod 755 {} \;**

**sudo find /var/www/html/phpmyadmin/ -type f -exec chmod 644 {} \;**

**sudo nano /etc/apache2/conf-available/phpmyadmin.conf**

**Alias /phpmyadmin /var/www/html/phpmyadmin**

**<Directory /var/www/html/phpmyadmin>**

**Options Indexes FollowSymLinks**

**DirectoryIndex index.php**

**<IfModule mod\_php8.c>**

**AddType application/x-httpd-php .php**

**php\_flag magic\_quotes\_gpc Off**

**php\_flag track\_vars On**

**php\_flag register\_globals Off**

**php\_value include\_path .**

**</IfModule>**

**</Directory>**

**# Authorize for setup**

**<Directory /var/www/html/phpmyadmin/setup>**

**<IfModule mod\_authn\_file.c>**

**AuthType Basic**

**AuthName "phpMyAdmin Setup"**

**AuthUserFile /etc/phpmyadmin/htpasswd.setup**

**</IfModule>**

**Require valid-user**

**</Directory>**

**# Disallow web access to directories that don't need it**

**<Directory /var/www/html/phpmyadmin/libraries>**

**Order Deny,Allow**

**Deny from All**

**</Directory>**

**<Directory /var/www/html/phpmyadmin/setup/lib>**

**Order Deny,Allow**

**Deny from All**

**</Directory>**

**sudo a2enconf phpmyadmin.conf**

**sudo systemctl restart apache2**

[**https://localhost/phpmyadmin**](https://localhost/phpmyadmin)

### **Make changes same as below in**

**<Directory /var/www/>**

**Options Indexes FollowSymLinks**

**AllowOverride all**

**Require all granted**

**</Directory>**

### **Apache Mod Enable**

**sudo apt install libapache2-mod-security2 -y**

**sudo a2enmod deflate**

**sudo a2enmod security2**

**sudo a2enmod rewrite**

**sudo a2enmod headers**

**sudo a2enmod expires**

**sudo a2enmod ssl**

**sudo systemctl restart apache2**

### **Download elastic Search**

**wget https://artifacts.elastic.co/downloads/elasticsearch/elasticsearch-7.9.0-amd64.deb**

**chmod +x elasticsearch-7.9.0-amd64.deb**

**sudo dpkg -i elasticsearch-7.9.0-amd64.deb**

### **Download Composer**

**wget https://getcomposer.org/download/1.10.26/composer.phar**

**mv composer.phar composer**

**mv composer /usr/local/bin**

**cd /usr/local/bin**

**sudo chmod -R 777 composer**

**composer**

### **Download magento2.4.**2

**wget https://github.com/magento/magento2/archive/refs/tags/2.4.2.tar.gz**

**tar -xvf 2.4.2.tar.gz**

**mv magento2-2.4.2 magento2**

**sudo mv magento2 /var/www/html/**

**cd /var/www/html/magento2**

**Composer install**

### Set Permissions

**find var generated vendor pub/static pub/media app/etc -type f -exec chmod g+w {} +**

**find var generated vendor pub/static pub/media app/etc -type d -exec chmod g+ws {} +**

**sudo chown -R :www-data .**

**chmod u+x bin/magento**

### Create Magento password user and database

**mysql -u root -p**

**Password: enter your root password**

**create user ‘magento’@’localhost’ identified with mysql\_native\_password by ‘password’;**

**create database magento;**

**Grant all privileges on magento.\* to ‘magento’@’localhost’ with grant option;**

**Flush privileges;**

### Install Magento2

**bin/magento setup:install --base-url=http://192.168.2.182/magento2/pub --db-host=localhost --db-name=magento --db-user=magento --db-password=password --admin-firstname=shubham --admin-lastname=bauddh --admin-email=shubham@cedcommerce.com --admin-user=admin --admin-password=admin@123 --language=en\_US --currency=USD --timezone=America/Chicago --use-rewrites=1**

### Basic Commands

**bin/magento indexer:reindex**

**bin/magento setup:upgrade**

**bin/magento setup:static-content:deploy -f**

**bin/magento cache:flush**

### Get Admin URL

**bin/magento info:adminuri**

[**http://ip\_or\_domain/admin\_url**](http://ip_or_domain/admin_url)

### Change Admin URL

**sudo nano /var/www/html/magento2/app/etc/env.php**

**#Find Below line and make changes**

**'frontName' => 'your\_admin\_url'**