

# Installation

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## Nginx

```
// log into the server
ssh root@your_server_ip

// perform update
apt-get update

// install nginx
apt-get install nginx
```

### Update firewall

```
ufw allow 'Nginx HTTP'
```

Visit server IP, you should see "Welcome to Nginx" page.

## PHP

```
apt-get install php curl unzip php-pear php-fpm php-dev php-zip php-curl php-
xmlrpc php-gd php-mysql php-mbstring php-xml
```

### check installation

```
php -v
```

Should see php 7.2.\*

```
systemctl restart nginx
```

## Mysql

```
apt-get install mysql-server

mysql_secure_installation
```

```
mysql -u username -p
create database YOUR_DATABASE_NAME
GRANT ALL ON YOUR_DATABASE_NAME.* to 'YOUR_DATABASE_USERNAME'@'localhost'
IDENTIFIED BY 'YOUR_DATABASE_PASSWORD';
FLUSH PRIVILEGES;
quit
```

## App

### Install composer

```
// download the installer
sudo curl -s https://getcomposer.org/installer | php

// move the composer.phar
sudo mv composer.phar /usr/local/bin/composer
```

### Move files to `var/www/APP_NAME` path

### Permissions

```
sudo chown -R www-data:www-data /var/www/APP_NAME/
sudo chmod -R 755 /var/www/APP_NAME
sudo chmod -R 755 /var/www/APP_NAME/bootstrap/cache
sudo chmod -R 755 /var/www/APP_NAME/storage
```

### cd to app (example: `/var/www/coinexhcange`)

```
composer install
```

### Check if `.env` file exists, if it doesn't exist create it from `.env.example` (cp `.env.example` `.env`)

```
php artisan key:generate
```

### Edit `.env`

```
DB_DATABASE=YOUR_DATABASE_NAME
DB_USERNAME=YOUR_DATABASE_USERNAME
DB_PASSWORD=YOUR_DATABASE_PASSWORD
```

### save changes to `.env`

```
php artisan migrate
```

Should migrate all tables to database

Edit `/etc/nginx/sites-available/default`

```
server {
    listen 80 default_server;
    listen [::]:80 default_server ipv6only=on;

    root /var/www/html/blog/public;
    index index.php index.html index.htm index.nginx-debian.html;

    server_name SERVER_IP_OR_DOMAIN;

    location / {
        try_files $uri $uri/ /index.php$is_args$args;
    }

    location ~ \.php$ {
        try_files $uri /index.php =404;
        fastcgi_pass unix:/var/run/php/php7.2-fpm.sock;
        fastcgi_index index.php;
        fastcgi_param SCRIPT_FILENAME $document_root$fastcgi_script_name;
        include fastcgi_params;
    }

    location ~ /\.ht {
        deny all;
    }
}
```

save changes

```
sudo nginx -t
```

should see:

```
nginx: the configuration file /etc/nginx/nginx.conf syntax is ok
nginx: configuration file /etc/nginx/nginx.conf test is successful
```

```
service nginx restart
```

Visit server IP, you should see app.

## Custom config

Add/change config parameters to .env file

- APP\_NAME - Application name (Displayed in navbar and title)
- FEE\_PERCENTAGE - Amount in percents that app takes for each trade (Example: 10)
- LIMIT\_MULTIPLIER\_BTCXMR - Minimum limit multiplier for BTC -> XMR Trade (if limit is 10\$ and multiplier set to 7, minimum will be 70\$)
- LIMIT\_MULTIPLIER\_XMRBTC - Minimum limit multiplier for XMR -> BTC Trade (if limit is 100\$ and multiplier set to 1.5, minimum will be 150\$)

### Bitcoin configuration

- BITCOIND\_HOST - Address of the bitcoin node (localhost)
- BITCOIND\_USERNAME - RPC User
- BITCOIND\_PASSWORD - RPC password
- BITCOIND\_PORT - RPC Port (Default port for bitcoin node is 8332)

### Monero configuration

- Monero\_HOST - Address of the Monero node (127.0.0.1)
- Monero\_USERNAME - RPC User
- Monero\_PASSWORD - RPC password
- Monero\_PORT - RPC Port