Setup Guide

Officially supported OS: Debian 13 and Arch Linux.
At this documentation we will continue with Debian 13 OS.

There will be two stages:
1) PHP – MySQL – Composer – NPM Setup
2) Monero Daemon Setup
3) Waking up the system with PHP Artisan

Let's Start;

Update system repos and applications:

sudo apt update

sudo apt dist-upgrade

Install PHP 8.1 (lower PHP versions don't supported)

Nsudo apt install apt-transport-https lsb-release ca-certificates curl

sudo wget -O /etc/apt/trusted.gpg.d/php.gpg https://packages.sury.org/php/apt.gpg

sudo sh -c 'echo "deb https://packages.sury.org/php/ $(lsb_release -sc) main" > /etc/apt/

sources.list.d/php.list'

sudo apt update

sudo apt install php8.1 php8.1-fpm

>>> And now, check php8.1 installation:

php --version

>>> Lets continue with PHP dependencies:

sudo apt install php8.1-mbstring php8.1-xml php8.1-xmlrpc php8.1-gmp php8.1-curl php8.1-gd php-mysql php-redis composer unzip -y

Install MySQL (MariaDB) Server and Configure Database

sudo apt install mariadb-server

sudo sudo mysql_secure_installation

>>> This command will guide you trough securing your MySQL connection.

sudo mysql

>>> And time to create database, user and permissions. I will use '**emperor**' for all lines. You must change it and set up on your .env file. **So take note your database name, database username, database password. You'll use them.**

create database emperor;

create user 'emperor'@'localhost' identified by 'emperor';

grant all on emperor.* to 'emperor'@'localhost';

exit

Install Redis Cache Server

sudo apt install redis-server

sudo nano /etc/redis/redis.conf

>>> And find # requirepass foobar; uncomment it and change foobar to your password. **Take note of your redis password. You'll use it again.**

requirepass yourpassword

>>> Check your redis server.

sudo systemctl status redis

>>> You need to see: active (running) prompt.

Installing NPM

sudo apt install nodejs

sudo apt install npm

Stage 2: Installing Monero CLI

cd ~

wget https://downloads.getmonero.org/linux64

tar jxvf linux64

cd monero-x86_64-linux-gnu-v** (** enter current version or use TAB for autocomplete)

./monerod

>>> Now it starting the monero daemon. It may took 6hours-1week for sync blockchain transactions depends on your network and hardware.

>>> You need to see:
SYNCHRONIZED OK
You are now synchronized with the network. You may now start monero-wallet-cli.

Creating Monero Wallet

./monero-wallet-cli --generate-new-wallet walletName --create-address-file --password 'walletpassword'

>>> Take note walletName and walletpassword (You must change them for security)

Connecting Monero Wallet with the Daemon

./monero-wallet-rpc --rpc-bind-port 18083 --rpc-bind-ip 127.0.0.1 --disable-rpc-login --wallet-file walletName

>>> This command will ask walletpassword.

Time to wake up web system

>>> Enter marketplace directory with cd command

cd /path/marketplace

nano .env

>>> You need to edit these parts with your definations:

DB_DATABASE=

DB_USERNAME=

DB_PASSWORD=

REDIS_PASSWORD=

composer install

npm install

npm run prod

NOTE: If you got problems with npm / nodejs; set up versions to:
npm: v8.10.0
node: v18.3.0

php artisan key:generate

php artisan migrate:fresh –seed

php artisan storage:link

>>> We're done. Lets start it:

At the end you will have FOUR active terminal tabs.

At first (in marketplace directory):

php artisan serve

At second (in marketplace directory):

php artisan schedule:work

At third (in monero-x86_64-linux-gnu-v** directory):

./monerod

At fourth (in monero-x86_64-linux-gnu-v** directory):

./monero-wallet-rpc --rpc-bind-port 18083 --rpc-bind-ip 127.0.0.1 --disable-rpc-login --wallet-file walletName

Default admin/vendor account:

username: admin

password: admin123

Change credentials of admin/vendor account **OR**

Create a new user

enter mysql;
sudo mysql

GET ID of which user you want to make vendor

select id from databasename.users where username = 'writeusername';

You will get something like that, write it on user-id part:
aba111c2-91f0-4b8f-b923-25d3191c6107

INSERT INTO databasename.vendors
VALUES('user-id', 0, 0, '', NULL, NULL, 0, 0, now(), now());