



# AEGEUS

PRIVATE, SECURE  
BLOCKCHAIN DATA MANAGEMENT

**MASTERNODE GUIDE (MNG)**

LINUX/UBUNTU

CREATED BY AN AEGEUS  
COMMUNITY MEMBER

[WWW.AEGEUS.IO](http://WWW.AEGEUS.IO)

## WHAT YOU WILL NEED FOR THIS GUIDE:

1. Local computer with Windows or Linux.
2. Remote server – VPS [This guide uses digitaloceans.com but any provider will work]
3. PuTTY to configure and setup the VPS
4. 5001 AEG

This is hot/cold wallet combo where your funds stay in your local windows wallet and masternode is run on remote Linux VPS.

## CONNECTING TO YOUR VPS:

Start Putty and You will need two parameters, the server IP address and the server Password.

Put in the IP and password Click the open button and the console will open.

### UPDATING YOUR VPS:

Run these commands in order, one at a time:

```
sudo apt-get update
```

```
sudo apt-get upgrade
```

```
sudo apt-get -y install git pkg-config build-essential automake g++ libssl-dev  
libminiupnpc-dev libboost-all-dev libgmp-dev
```

```
sudo apt-get install libboost-all-dev
```

```
sudo add-apt-repository ppa:bitcoin/bitcoin
```

```
sudo apt-get update
```

```
sudo apt-get install libdb4.8-dev libdb4.8+-dev
```

(if you have a low end VPS below 2GB RAM, you will need to setup a swap file. You can skip this step if you have enough RAM in the VPS)

```
cd /var
```

```
sudo touch swap.img
```

```
sudo chmod 600 swap.img
```

```
sudo dd if=/dev/zero of=/var/swap.img bs=1024k count=2000
```

```
mkswap /var/swap.img
```

```
sudo swapon /var/swap.img
```

```
sudo free
```

```
sudo echo "/var/swap.img none swap sw 0 0" >> /etc/fstab
```

```
cd
```

```
reboot
```

## COMPILING AND INSTALLING THE AEG

### WALLET:

Connect to the VPS after the reboot

## COMPILING AND INSTALLING THE AEG

### WALLET:

Connect to the VPS after the reboot

```
sudo git clone https://github.com/AegeusCoin/aegeus
```

```
cd aegeus
```

```
./autogen.sh
```

```
./configure --with-incompatible-bdb --with-gui=no
```

```
Make
```

(the process will take some time to complete)

```
cd src  
strip aegeusd  
./aegeusd
```

The first time you run the wallet, you will be given an error that rpcuser needs to be created and the aegeusd config directory will be created.

Go to the Local wallet where you keep the coins

Click on Tools then Debug Console

Typy: **masternode genkey**

Make a note of the output key you will need it in the next step

## Back on the VPS

```
cd ~/.aegeus  
nano aegeus.conf  
(add the following to the cong file)  
rpcuser=long random username  
rpcpassword=longer random password  
rpcallowip=127.0.0.1  
listen=0  
server=1  
daemon=1  
logtimestamps=1
```

```
maxconnections=256
```

```
masternode=1
```

```
externalip=your unique public ip address (VPS IP)
```

```
bind=your unique public ip address (VPS IP)
```

```
masternodeaddr=your unique public ip address:51472 (VPS IP)
```

```
masternodeprivkey=The key from the step above that was generated from  
Local wallet
```

**Press: cntrl-x** then **Y** then **Enter** to save

```
cd src
```

```
./aegeusd
```

(this will start the aegeusd server)

## CONFIGURING LOCAL WALLET:

Start the AEG wallet , and let's create an address that will hold the Master-node collateral. Go to File, Receiving Addresses, click on **New**, Give the address a Label like MN01, click ok. Right click on the new address you created and click **Copy**. Got to the Send tab, paste the address in the **Pay to** space send exactly 5000 AEG to this address. Now wait for at least 15 confirmations for the next step.

Click on tools and Debug Console. Type in **masternode outputs** note down the output

In the local wallet click on **tools** and **open masternode configuration file**

In the config file that opens add the following

**Example:** mn1 127.0.0.2:51474 93HaYBVUCYjEMee-  
H1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg 2bcd3c84c84f87e-  
aa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0

**Alias:** Any name(Ex: MN01) **Address:** IP address and port (Ex:  
xx.xx.xx.xx:29238) **PrivKey:** Key saved from earlier output of 'masternode  
genkey' **TxHash:** First part of transaction hash from earlier output of  
'masternod outputs'

**Output Index:** Second part of transaction hash from earlier output of  
'masternod outputs'

Save the config file and restart the local wallet

Click on the masternode tab (if you do not see a masternode tab, then click  
on settings, options, wallet, and Check Enable coin control features and  
Show Masternode Tab)

In the masternode tab you will see the masternode you added with the sta-  
tus as "Missing" Click on **Start Missing** then Yes. You should get a pop up  
that says Successfully Started. The status will change to Enabled.

Back on the VPS type

```
./aegeus-cli startmasternode local false
```

You should get a message that masternode successfully started

Use the following command to check status:

```
./aegeus-cli masternode status
```

You should see something like:

```
{ "txhash" : "334545645643534534324238908f36ff4456454dffff51311",  
  "outputidx" : 0, "netaddr" : "45.11.111.111:51472", "addr" :  
  "D6fujc45645645445645R7TiCwexx1LA1",  
  "status" : 4, "message" : "Masternode successfully started" }
```

**Congratulations! You have successfully created your masternode!**