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## **Aegeus Masternode VPS Setup Guide (Ubuntu 16.04 64 bit OS)**

This guide will assist you in setting up an Aegeus Masternode on a Linux Server running Ubuntu 16.04 (use at your own risk). If you require further assistance contact the support team @Discord

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## Requirements

- 1.5,000 Aegeus coins.
- 2.A Vultr VPS running Linux Ubuntu 16.04.
- 3.A Windows local wallet.
- 4.An SSH client such as Bitvise.

# 01. Section A: Creating the VPS within Vultr

**Step 1:** Register at [Vultr](#).

**Step 2:** After completing the formalities online, one can deploy the server. Click [here](#) to create your Server.

**Step 3:** Choose a Server location (preferably close to the user).

**Step 4:** Choose a Server type: Ubuntu 16.04.

## Deploy New Instance

Vultr Cloud Compute (VC2) 60% OFF PROMO Bare Metal Instance Storage Instance Dedicated Instance









### 1 Server Location

All Locations America Europe Australia Asia

 <b>Amsterdam</b> Netherlands	 <b>Paris</b> France	 <b>Frankfurt</b> Germany	 <b>London</b> United Kingdom
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### 2 Server Type

64 bit OS 32 bit OS Application Upload ISO ISO Library Backup Snapshot

 <b>CentOS</b> Select Version	 <b>CoreOS</b> Stable x64	 <b>Debian</b> Select Version	 <b>Fedora</b> Select Version
 <b>FreeBSD</b> Select Version	 <b>OpenBSD</b> 6 x64	 <b>Ubuntu</b> 16.04 x64	 <b>Windows</b> Select Version

3 Server Size

<p>Temporarily Sold Out</p> <p>20 GB SSD</p> <p><b>\$2.50</b>/mo</p> <p>\$0.004/h</p> <p>1 CPU</p> <p>512MB Memory</p> <p>500GB Bandwidth</p>	<p>25 GB SSD</p> <p><b>\$5</b>/mo</p> <p>\$0.007/h</p> <p>1 CPU</p> <p>1024MB Memory</p> <p>1000GB Bandwidth</p>	<p>40 GB SSD</p> <p><b>\$10</b>/mo</p> <p>\$0.015/h</p> <p>1 CPU</p> <p>2048MB Memory</p> <p>2000GB Bandwidth</p>	<p>60 GB SSD</p> <p><b>\$20</b>/mo</p> <p>\$0.03/h</p> <p>2 CPU</p> <p>4096MB Memory</p> <p>3000GB Bandwidth</p>
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**Step 6:** Set a Server Hostname & Label.

Server Hostname & Label

Enter server hostname  
Masternode

Enter server label  
Masternode

**Step 7:** Click 'Deploy now'.

**Deploy Now**

## 02. Section B: Downloading and Installing Bitvise

**Step 1:** Download Bitvise here.

**Step 2:** Select the correct installer depending upon the user's operating system. Then follow the install instructions to install Bitvise.

### Download Bitvise SSH Client (Tunnelier)

**Bitvise SSH Client installer** - version 7.39, size 21.8 MB.

If the link doesn't work, try again - it is Amazon CloudFront and should be very reliable.

Our installers are **cryptographically signed**. Our most recent installers use an Extended Validation digital certificate from DigiCert. Do not run any installers for our software that do not carry a valid digital signature by Bitvise Limited.

Bitvise SSH Client is **easy to uninstall**.

Using Bitvise SSH Client requires you to read and agree with its **License Terms**.

### Upgrading from a previous version

To upgrade from a previous version, download the new installer, execute it, and follow the process. The installer will detect an existing installation and will automatically remove it before installing the new one. During this process, your settings will be preserved.

## 03. Installation Steps

**Step 1:** Download and install the Aegeus wallet [here](#).

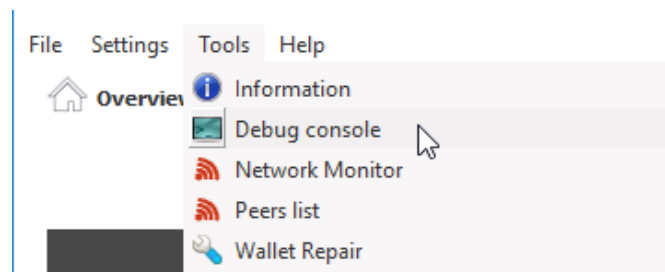
**Step 2:** Send EXACTLY 5,000 Aegeus to a receive address within the wallet.

**Step 3:** Do not proceed until this transaction has at least 15 confirmations. Click on the Transactions tab, hover over it with the mouse, and the number of confirmations will appear..


✓	5/29/2018 14:39	Payment to yourself	↔ (n/a)
✓	5/28/2018 16:28	Confirmed (89381 confirmations) Payment to yourself	↔ mn

**Step 4:** Create a text document to temporarily store the required information.

**Step 5:** Go to the debug console within the wallet.



**Step 6:** Type the command below and press enter. masternode



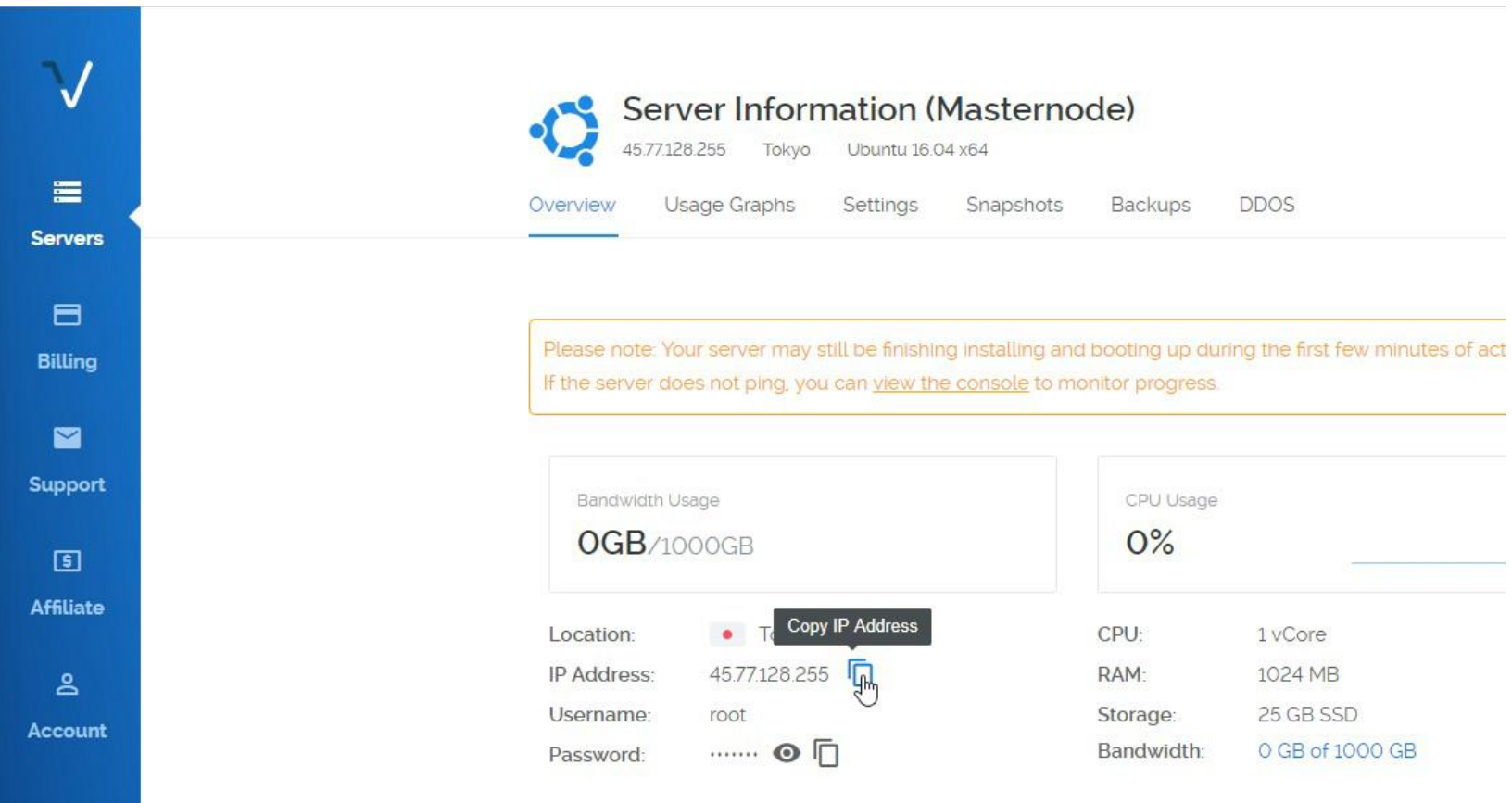
```
> masternode outputs
```

**Step 7:** Copy the long key (this is the transaction ID) and the 0 or 1 at the end (this is the transaction output index).

Paste these into the text document created earlier for the next step.

## 04. Section D: Connecting to the VPS & Installing the Masternode Script via Bitwise

**Step 1:** Copy the VPS IP (this is found by clicking on the Server tab within Vultr and clicking on the deployed Server).



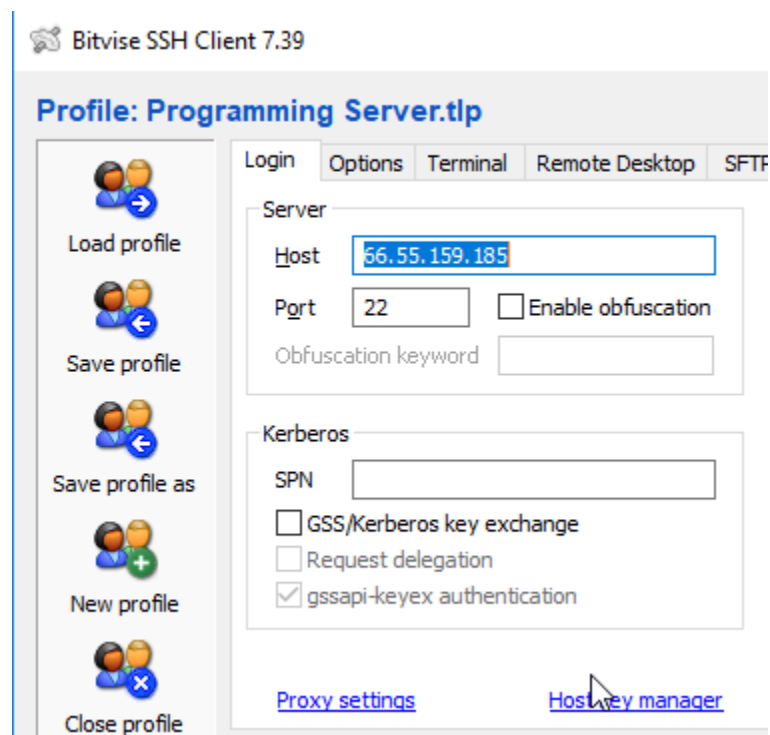
The screenshot shows the Vultr dashboard interface. On the left is a blue sidebar with navigation options: Servers, Billing, Support, Affiliate, and Account. The main content area is titled "Server Information (Masternode)" and displays the following details:

- IP Address: 45.77.128.255
- Location: Tokyo
- OS: Ubuntu 16.04 x64
- Bandwidth Usage: 0GB / 1000GB
- CPU Usage: 0%
- Location: Tokyo (with a "Copy IP Address" tooltip over the location icon)
- IP Address: 45.77.128.255 (with a copy icon)
- Username: root
- Password: [masked]
- CPU: 1 vCore
- RAM: 1024 MB
- Storage: 25 GB SSD
- Bandwidth: 0 GB of 1000 GB

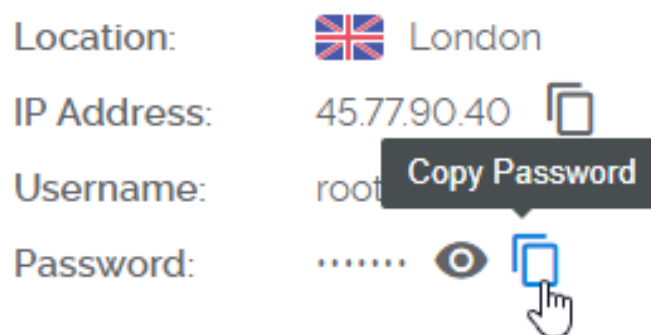
A yellow warning box at the top of the server information section reads: "Please note: Your server may still be finishing installing and booting up during the first few minutes of activation. If the server does not ping, you can [view the console](#) to monitor progress."



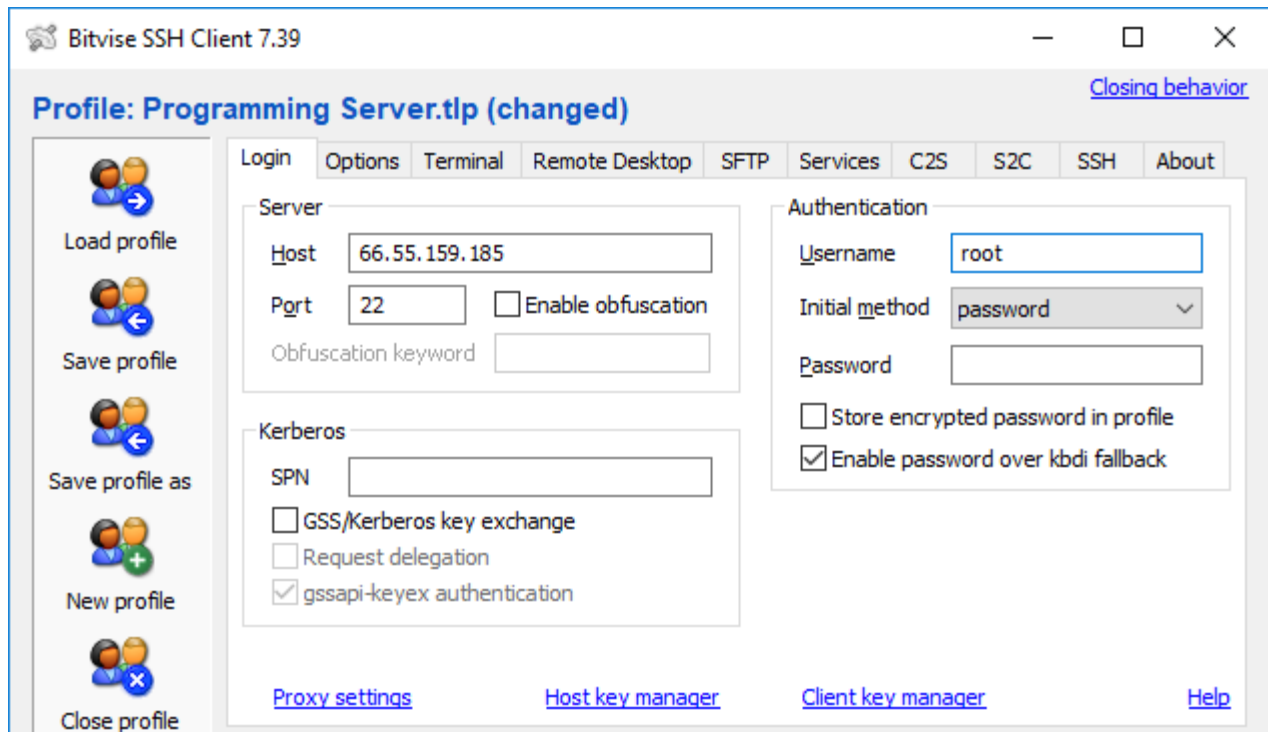
**Step 2:** Open the Bitvise application and fill in the "Hostname" box with the IP of the VPS.



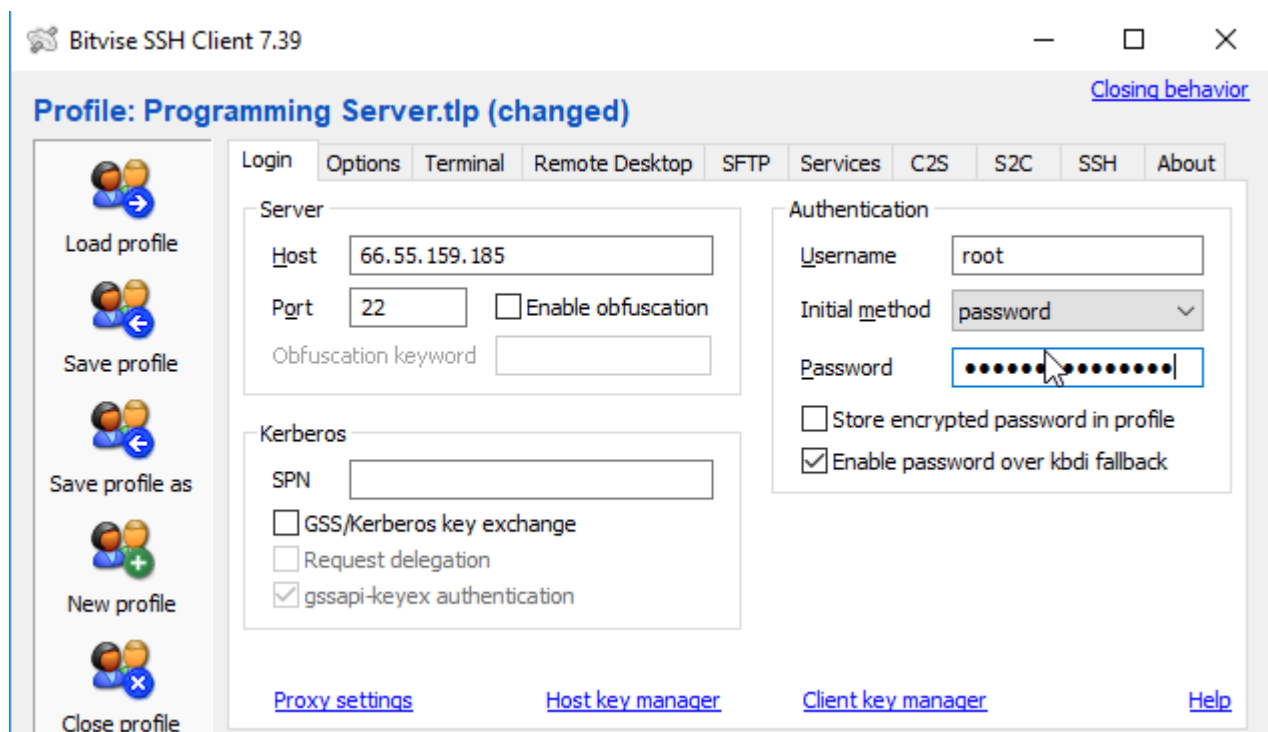
**Step 3:** Copy the root password from the Vultr Server page.



**Step 4:** Type "root" as the login/username.



**Step 5:** Paste the password into the Bitvise terminal, then click "Login".



**Step 6:** Once “Login” is clicked, a security alert will appear. Click ‘yes’. Please make sure login is root user as shown below.

```
root@BiZ-AEG-53:~#
```

**Step 7:** Paste the bash script into the Bitwise terminal.

```
bash <(curl
https://raw.githubusercontent.com/AegeusCoin/AegeusInstaller/master/aegeus_installer)
```

```
root@BiZ-AEG-53:~# bash <(curl https://raw.githubusercontent.com/AegeusCoin/AegeusInstaller/master/aegeus_installer)
```

**Step 8:** Press “Enter” and your screen will look like the image below.

```
Welcome to the linux installer for ...
Aegeus
DragonLady Flexi-compile edit 2.0.0
=====
Main Menu
=====Here are your options=====
1: Install full Masternode
2: Install CLI Staking Wallet Only
3: Quit and get me out of here
=====
Please select your choice: █
```

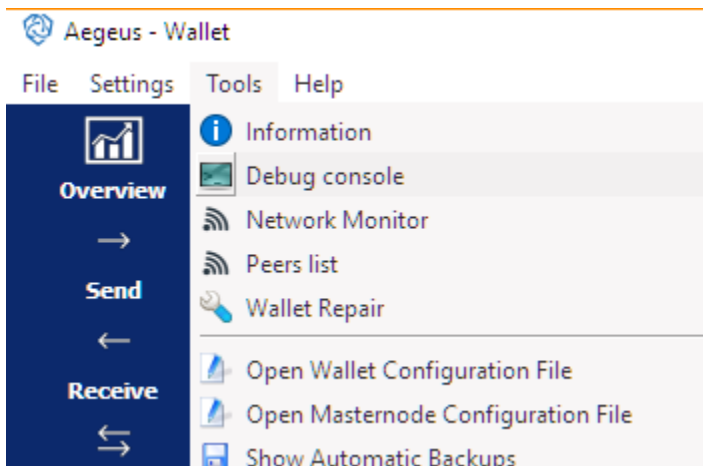
**Step 9:** Press 1 and enter. Wait while it compiles and follow all prompts.

**Step 10:** While it is compiling return to the windows (cold) wallet and go to the debug console. Type 'masternode genkey'

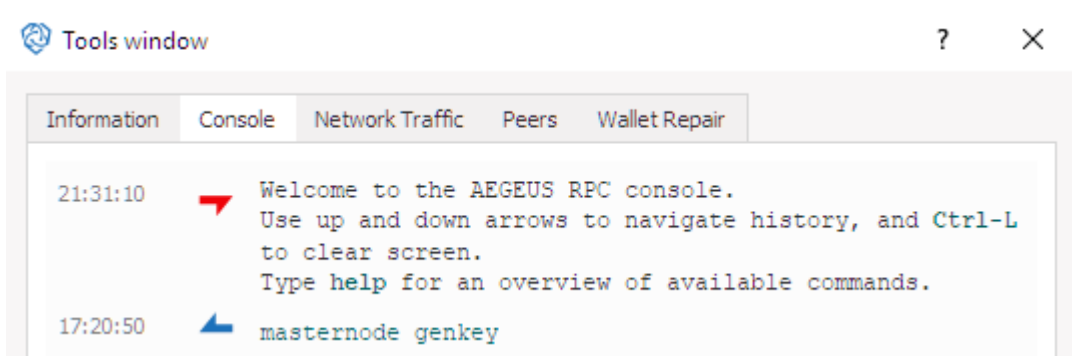
--DO NOT EVER SHARE THIS WITH ANYONE--

Leave the window open until the script running on the vps asks for the masternode genkey.

**Example 1:**



**Example 2:**



### Example 3:

```
=====
Enter your Aegeus Masternode GEN Key.
Please start your local wallet and go to
Tools -> Debug Console and type masternode genkey
And please copy the string of letters and numberers
and enter it here: █
```

**Step 11:** All relevant information for server will be shown. Keep this terminal open to obtain info for the wallet setup. It may also be a good idea to make sure the Masternode genkey in the text file open on the desktop.

```
DragonLady Flexi-compile edit 1.2.0
Windows Wallet Guide. https://github.com/Aegeus/master/README.md
Aegeus Masternode is up and running listening on port29328.
Configuration file is:/root/.aegeus/aegeus.conf
Start:systemctl start Aegeus.service
Stop:systemctl stop Aegeus.service
VPS_IP:PORT2:
***NEW*** MASTERNODE GENKEY is:
Missed 1st by
DRAGONLADY
for Aegeus (with some stuff borrowed from BitYoda.)
Ensure Node is fully SYNCED with BLOCKCHAIN.
Usage Commands.
aegeus-cli masternode status
aegeus-cli getinfo.
Donations always accepted gratefully.
DragonLady Aegeus: AJAenVJFDMAwX3Wpt83GjjZmE4H9rpKsaY
Setting Up Services
```

## 05. Section E: Ensuring VPS Blocks Have Synced

**Step 1:** In your VPS type “aegeus-cli getinfo” and press enter to see what block the VPS is on.

```

"version" : 2000400,
"protocolversion" : 70817,
"walletversion" : 61000,
"balance" : 0.00000000,
"obfuscation_balance" : 0.00000000,
"blocks" : 306360,
"timeoffset" : 0,
"connections" : 16,
"proxy" : "",
"difficulty" : 9784507.12870758,
"testnet" : false,
"keypoololdest" : 1537039822,
"keypoolsize" : 1001,
"paytxfee" : 0.00000000,
"relayfee" : 0.00010000,
"staking status" : "Staking Not Active",
"errors" : ""

```

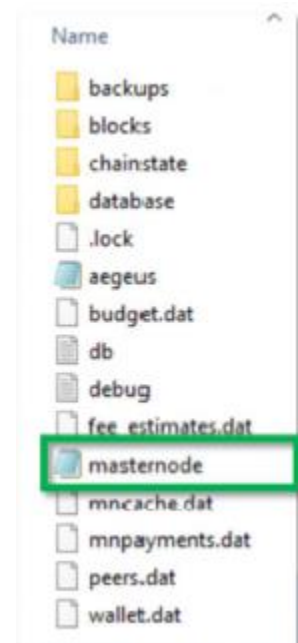
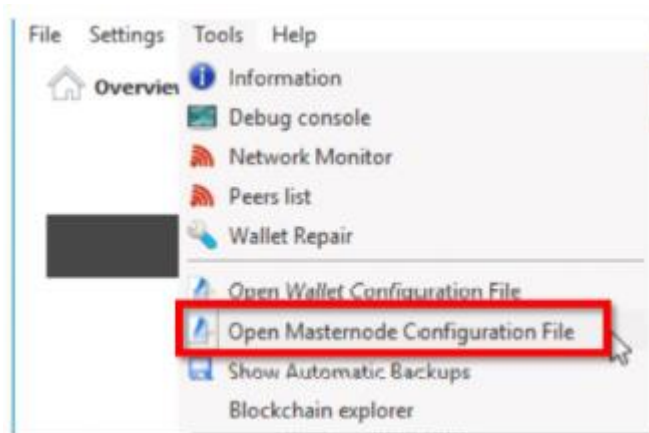
**Step 2:** Wait for your VPS blocks to sync up to the correct block (compare to the block count in your wallet).

**Step 3:** Once your VPS is on the same block as your wallet you can proceed to section F.

**Note:** If the output shows 'Loading block Index' then the wallet is still loading. Try again in a few minutes

## 06. Section F: Connecting & Starting the Masternode

**Step 1:** Go to the tools tab within the wallet and click “**Open Masternode Configuration File**”. OR, this file can also be found in the Aegeus wallet folder as “**masternode.config**”. Open this file in notepad.



### Step 2:

- Enter your information in this format

```
[alias] [IP:port] [masternodeprivkey] [collateral_output_txid]
[collateral_output_index]
```

- For alias, type something like "MN01" (don't use spaces).



- The IP:port is the IP address which can be found in the Bitwise terminal or Vultr server. The port will be :29328.
- The masternodeprivkey is the Masternode Genkey (this is also in the text file of important info to save ).
- The collateral\_output\_txid is the transaction ID (the long key copied to the text file in section D).
- The collateral\_output\_index is the 0 or 1 copied to the text file.

Example -

```
alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
MN01 8.8.8.8:29328 93HaYBVUCYjEMeeH1lK64xiqgX37tGBDQL8Xg 2bcd3c84c84f87eaa86e4e55416834c9292810b92e0d0324456a67c 0
```

Click “File Save”.

### **Step 3:**

- Close the wallet and reopen it again.
- Click on the Masternodes Tab.
- Click “Start MISSING” in the Masternodes Tab.

**Step 4:** Check the status of your Masternode within the VPS by using this command: **aegeus-cli masternode status**

A successful masternode status will be a “Status 4” or “Status 9”.

CONGRATULATIONS! The masternode setup is complete. If a “Status 4” or “Status 9” did not appear, please contact support in [Discord](#).

