

# How to Setup Vsync Masternode:

By: CallMeBaiter#9625

## Requirements:

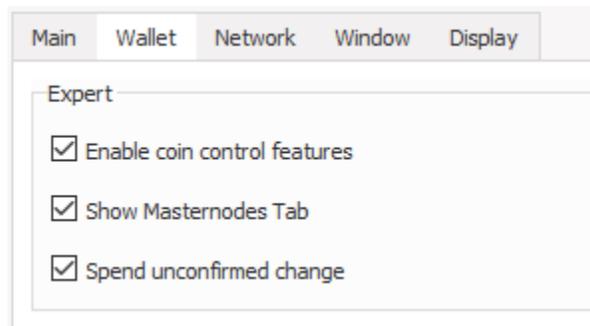
1. Local computer windows 7 through 10
2. Putty (<https://putty.org/>)
3. Linux VPS server
4. 250,000 VSX
5. Complete the following masternode form:

MN Alias (Alias)=  
MN Address =  
#IPAddress:Port (Address)=  
#Masternode Privkey (PrivKey)=  
Output (TXHash)=  
OutputIndex (Output Index)=

---Server---  
Ip:  
Password:

## Setting up Windows Wallet (local wallet) PART 1

1. **Download VSX wallet from** (<https://bitcointalk.org/index.php?topic=2133048.0>)
2. **Setting up coins control and masternode tab**
  - a. Open Wallet
  - b. Settings >> Options >> Wallet tab
  - c. Check "Enable coin control features" and "Show Masternodes Tab"
  - d. Click ok



3. **Syncing Vsync Wallet:**
  - a. Go to Tools >> "Open Wallet Configuration File"
  - b. Add all the nodes from <https://bitcointalk.org/index.php?topic=2133048.0> to that file:



# NODES

```
Codes
addnode=130.211.160.219:65010
addnode=104.156.254.82:65010
addnode=150.165.205.156:65010
addnode=172.104.166.24:65010
addnode=193.124.57.23:65010
addnode=195.238.108.110:65010
addnode=222.5.183.201:65010
addnode=23.94.93.112:65010
addnode=45.32.212.62:65010
addnode=45.76.10.8:65010
addnode=45.77.7.37:65010
addnode=46.30.42.200:65010
addnode=5.149.213.34:65010
addnode=50.72.125.166:65010
addnode=62.138.3.215:65010
addnode=65.226.198.198:65010
addnode=76.65.179.24:65010
addnode=85.23.37.86:65010
addnode=87.118.120.90:65010
addnode=88.238.183.65:65010
```

- c. Save and close out of the file as well as close your wallet.

```
vsync - Notepad
File Edit Format View Help
addnode=130.211.160.219:65010
addnode=104.156.254.82:65010
addnode=150.165.205.156:65010
addnode=172.104.166.24:65010
addnode=193.124.57.23:65010
addnode=195.238.108.110:65010
addnode=222.5.183.201:65010
addnode=23.94.93.112:65010
addnode=45.32.212.62:65010
addnode=45.76.10.8:65010
addnode=45.77.7.37:65010
addnode=46.30.42.200:65010
```

- d. Reopen your wallet and let it sync.

#### 4. Setting up Masternode:

- a. Go to tools >> debug console
- b. Type: getaccountaddress mn1
- c. Record the address given as well as “mn1” to the masternode form

```
Start-up - Notepad
File Edit Format View Help
MN Alias (Alias)= mn1
MN Address = VNG4gzsv43Nexthrx72DdiFoUMKiWXfi5|
#IPAddress:Port (Address)=
#Masternode Privkey (PrivKey)=
Output (TXHash)=
OutputIndex (Output Index)=
```

- d. Go to Send Tab and click inputs
  - i. Click “(un)select all” (this should select all your coins) and then click ok at the bottom left.
- e. Copy the MN Address from the masternode form and paste it to the “Pay To:”

- f. On the line "Label:" mn1 should automatically come up
- g. Then for "Amount:" type 250000 (no more and no less!)

Pay To:	VNG4gzsv43Nexthrx72DdifoUMKiWXfi5	
Label:	mn1	
Amount:	<input style="width: 100px;" type="text" value="250 000.00000000"/>	<input style="width: 50px;" type="text" value="VSX"/>

- h. Click send at the bottom left
- i. Wait 1 minute
- j. Now go to Tools >> debug console, type: masternode outputs
  - i. You should see this:

```
17:27:09 ← masternode outputs
17:27:09 → {
  "01d0b2c6222b59fc5438b93f34d02772ab34a6772c50fd476c43240bdbb24c6e" : "1",
  "..." : "..."
}
```

- ii. If you should see this wait a bit longer until you get the above image.

```
16:28:38 ← masternode outputs
16:28:38 → {
}
```

- k. Now copy and paste the long numbers and letters to your masternode form for "Output (TXHash)"
- l. Copy the single digit (usually a 1 or 0) to "OutputIndex (Output Index)"

```
Start-up - Notepad
File Edit Format View Help
MN Alias (Alias)= mn1
MN Address = VNG4gzsv43Nexthrx72DdifoUMKiWXfi5
#IPAddress:Port (Address)=
#Masternode Privkey (PrivKey)=
Output (TXHash)= 01d0b2c6222b59fc5438b93f34d02772ab34a6772c50fd476c43240bdbb24c6e
OutputIndex (Output Index)= 1
```

- m. Go to Tools >> debug console >> type: masternode genkey
- n. Save this to your masternode form.

```
Start-up - Notepad
File Edit Format View Help
MN Alias (Alias)= mn1
MN Address = VNG4gzsv43Nexthrx72DdifoUMKiWXfi5
#IPAddress:Port (Address)=
#Masternode Privkey (PrivKey)= 87KwV6c*****PyjbMrMw8n*****6EugsN****96iNvaz
Output (TXHash)= 01d0b2c6222b59fc5438b93f34d02772ab34a6772c50fd476c43240bdbb24c6e
OutputIndex (Output Index)= 1
```

## Buying a VPS

### 1. Here are two services that I use (If anyone has a better VPS please let me know!):

- a. Virmach:
  - i. I like them, but recently their servers have been going down for me. They were good before the intel upgrade. I just got word that they shouldn't be experiencing anymore problems.
  - ii. Cheap and the support is ok. (\$7)
  - iii. Link: <https://billing.virmach.com/aff.php?aff=2542> (this is my referral link, help a brother out 😊) If you don't want to just google virmach.
  - iv. Will be using this in the guide as they are the best and cheapest I can find.
- b. Vultr:
  - i. Faster support than virmach, but I tried to switch my service over to them and they suspended my account because the outbound traffic for masternode wallets seem to raise flags. They thought I was DDOSing and it was just a real headache to go through. Now some people use vultr and they don't have an issue, but I had a huge issue.
  - ii. A little bit more than virmach, but faster support. (\$10)
  - iii. Link: <https://www.vultr.com/?ref=7215968> (this is my referral link, help a brother out 😊) If you don't want to just google vultr.

### 2. Setting up Virmach:

- a. Make an account and log in.
- b. Click services >> deploy service
- c. Click "OpenVZ Linux VPS" to the left and then select Pro+

The screenshot displays the Vultr website interface. On the left, a 'Product List' sidebar contains several options, with 'OpenVZ Linux VPS' highlighted in a blue box and circled in red. The main content area, titled 'Browse Products & Services', shows three VPS plans: 'Micro+', 'Value+', and 'Elite+'. Below these, a 'Pro+' plan is also visible, with its name circled in red. Each plan includes specifications such as RAM, disk space, bandwidth, and CPU, along with a 'Starting from' price and an 'Order Now' button. The 'Pro+' plan's 'Order Now' button is also circled in red.

Product	Starting from
Micro+	\$1.00 USD Monthly
Value+	\$2.25 USD Monthly
Elite+	\$4.00 USD Monthly
Pro+	\$7.00 USD Monthly

- d. You can pick Monthly, Quarterly, or Annually. (Annually will get you the best deal)
- e. Click for the following:
  - i. **Network Speed:** 1Gbps
  - ii. **Selection Location:** Closest to you
  - iii. **Operating System:** Ubuntu 16.04 x64
  - iv. **Premium Options:** Ignore it.

The screenshot shows a VPS configuration interface with the following sections:

- Network Speed:** Two options: 1Gbps (Shared Port) and 10Gbps (Shared Port \$1.00 USD).
- Select Location:** A grid of location options:
  - Buffalo, NY (Our Main Location, Limited Stock)
  - Frankfurt, DE (Europe Location, Low Stock)
  - Atlanta, GA (Southwest US)
  - Seattle, WA (Multiple Datacenters, Limited + \$1.00 USD Setup Fee)
  - Los Angeles, CA (Optional Protection)
  - Chicago, IL (Multiple Datacenters)
  - Phoenix, AZ (Southwest US)
  - Dallas, TX (Multiple Datacenters)
  - Piscataway, NJ (New York City)
  - San Jose, CA (Central West US, Limited + \$1.00 USD Setup Fee)
  - Amsterdam, NL (Europe Location, New!)
- Operating System:** A grid of OS options:
  - Ubuntu 16.04 x64
  - CentOS 6 [x86] (Minimal)
  - Debian 7 x64 (Minimal)
  - Fedora 20 [x86] (Minimal)
  - Suse 12.1 [x86] (Minimal)
  - Scientific Linux [x86] (Minimal)
  - Custom (Contact Support) + \$20
- Premium Options:** Two options:
  - Premium Support & Management (\$25.00 USD Monthly)
  - DDoS-Filtered IP (Los Angeles) (\$2.00 USD Monthly)

At the bottom, there are two buttons: "View Cart" and "Add to Cart".

- f. Add to cart and checkout.
  - i. They have promo codes out there on the web. Look some up.
  - ii. Some of the codes only apply to monthly payments FYI
- g. Now pick your payment method
- h. After you have successfully ordered your VPS. Go to Services >> My Service
- i. Click on the first one you see (if you have never purchased from Virmach before). And you should see something like this:
- j. Copy the IP address and password and paste it into the Masternode form.
- k. Also, the port# is going to be 65010. So now your Masternode form should look complete

```

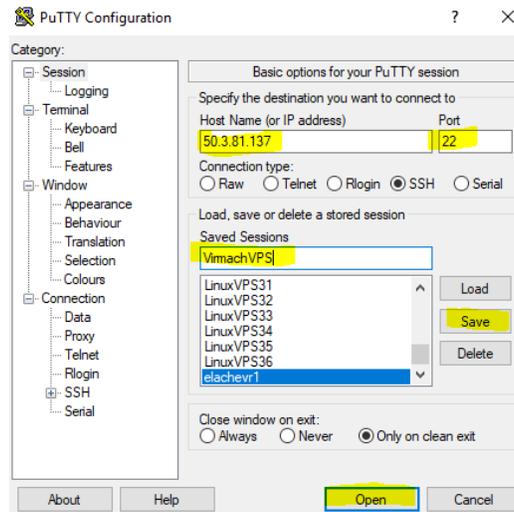
Start-up - Notepad
File Edit Format View Help
MN Alias (Alias)= mn1
MN Address = VNG4gzsv43Nexthrx72Dd1foUMKiWXf15
#IPaddress:Port (Address)= 50.3.81.137:65010
#Masternode Privkey (PrivKey)= 87KwV6c*****PyjbMrMw8n*****6EugsN****96iNvaz
Output (TXHash)= 01d0b2c622b59fc5438b93f34d02772ab34a6772c50fd476c43240bdbb24c6e
OutputIndex (Output Index)= 1

ip:50.3.81.137|
password: *****

```

## Using Putty & Setting up Server Wallet

1. Open Putty
2. Put the Ip address into “Host Name (or IP address)” and Port should be “22”
3. Under Saved Sessions name it Virmach VPS or whatever you want to name it. Click Save and then click open



4. “Login as:” type root
5. root@ipaddress: Type your password. (note: you won’t see what you paste, to paste right click what you copied and then press enter)

```
root@PutridCumbersome-VM: ~  
login as: root  
root@50.3.81.137's password:  
Welcome to Ubuntu 16.04 LTS (GNU/Linux 2.6.32-042stab113.21 x86_64)  
  
 * Documentation:  https://help.ubuntu.com/  
  
The programs included with the Ubuntu system are free software;  
the exact distribution terms for each program are described in the  
individual files in /usr/share/doc/*/copyright.  
  
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by  
applicable law.  
  
root@PutridCumbersome-VM:~#
```

6. Change your password
  - a. passwd
  - b. Type the password you wish (this way the server provider don’t have access to your server)

7. Update the server and install the required dependencies for the wallet to run

```
sudo apt-get update
sudo apt-get upgrade
sudo apt-get dist-upgrade
sudo apt-get install nano htop git
sudo apt-get install software-properties-common
sudo apt-get install build-essential libtool autotools-dev pkg-config libssl-dev
sudo apt-get install libboost-all-dev
sudo apt-get install libevent-dev
sudo apt-get install libminiupnpc-dev
sudo apt-get install autoconf
sudo apt-get install automake
sudo add-apt-repository ppa:bitcoin/bitcoin #it will ask you to click enter to confirm
sudo apt-get update
sudo apt-get install libdb4.8-dev libdb4.8++-dev
```

8. Installing Firewall

```
apt-get install ufw
ufw allow ssh/tcp
ufw limit ssh/tcp
ufw allow 65010/tcp
ufw logging on
ufw enable
```

9. Make sure Firewall is running

```
ufw status
reboot
```

10. Compiling Vsync Wallet

a. Log back into your vps

```
sudo git clone https://github.com/VsyncCrypto/VSX
cd VSX
./autogen.sh
./configure
make #will take about 30~45mins. Go do something or you can just stare at it.
cd src
mv vsyncd vsync-cli ~/
cd
mkdir ~/.vsync/
touch ~/.vsync/vsync.conf
nano ~/.vsync/vsync.conf
```



- b. Copy this into it:
- ```
rpcuser= long random username
rpcpassword= long random password
rpcallowip=127.0.0.1
rpcport=9634
listen=1
server=1
daemon=1
logtimestamps=1
maxconnections=256
externalip= 50.3.81.137:65010
bind= 50.3.81.137:65010
masternodeaddr= 50.3.81.137:65010
masternode=1
masternodeprivkey= (your privkey from masternode form)
```

add all the nodes from <https://bitcointalk.org/index.php?topic=2133048.0>:

```
GNU nano 2.5.3 File: /root/.vsync/vsync.conf Modified
rpcuser= long random username
rpcpassword= long random password
rpcallowip=127.0.0.1
rpcport=9634
listen=1
server=1
daemon=1
logtimestamps=1
maxconnections=256
externalip= 50.3.81.137:65010
bind= 50.3.81.137:65010
masternodeaddr= 50.3.81.137:65010
masternode=1
masternodeprivkey=87KwV6c*****PyjbMrMW8n*****6EugsN*****96iNvaz
addnode=130.211.160.219:65010
addnode=104.156.254.82:65010
addnode=150.165.205.156:65010
addnode=172.104.166.24:65010
```

- c. To exit and save  
ctrl+x >> y >> press enter
- d. Start your server wallet  
./vsyncd -daemon

## Setting up Windows Wallet (local wallet) PART 2

1. You should still have your wallet open, if not just open that bad boy up.
2. Setting up Masternode
  - a. Go to tools >> Open Masternode Configuration File
  - b. Type the following:
    - i. (Alias) (Address) (PrivKey) (TXHash) (Output Index)

```
masternode - Notepad
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:65010 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d
mn1 50.3.81.137:65010 87KwV6c*****PyjbMrMW8n*****6EugsN*****96iNvaz 01d0b2c6222b59fc5438b93f34d02772ab34a6772c50fd476c43240bdbb24c6e 1
```

- c. Save the file and close out of it.
- d. Close the wallet and reopen it.
- e. Wait for it to sync
3. Starting the masternode
  - a. Make sure your reward that you sent has at least 15 confirmations, otherwise it won't work.
    - i. Go to transactions tab.
    - ii. Click on the transaction where you sent the 250k VSX and hover over it (it should be the one marked red with -.001XXXXXX)
    - iii. If it doesn't have 15 confirmations yet, wait until it does. (but you should have 15confirmations)
  - b. Go to tools >> debug console
  - c. Type: masternode start-alias mn1 (mn1 is the name of your masternode)
  - d. You should see:

```
{
  "alias" : "mnl",
  "result" : "successful",
  "error" : ""
}
```

- e. Congratz on making a VSX masternode! (first reward takes about 24~48hours, if you don't get reward after 48hours, please contact us to see if we can help you with anything!)

### Multiple Masternodes:

1. **LET X represent the # of masternodes you are creating.**
  - a. Example: I am creating my 3<sup>rd</sup> masternode so X =3. So anything below my X should be 3.
2. Create a new text file called masternode form X (or whatever number)
3. On the local wallet get an account address by:
  - a. Go to tools >> debug console
  - b. Type: getaccountaddress mnX (or whatever # you are on)
  - c. Record data to the masternode form
  - d. Give it 20secs
  - e. Type: masternode outputs (make sure you don't use the same output as any of the ones you used before)
  - f. Record data into masternode form.
4. REPEAT **Using Putty & Setting up Server Wallet**
5. REPEAT **Setting up Windows Wallet (local wallet) PART 2**
  - a. The only thing that will be different is that you will need to add a line below the line you made in the masternode configuration file.

```
File Edit Format View Help
# Masternode config file
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index
# Example: mn1 127.0.0.2:65010 93HaYBVUCYjEMeeH1Y4s8GLALQZE1Yc1K64xiqgX37tGBDQL8Xg_2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d
mn1 50.3.81.137:65010 87KwV6c****PyjbMrMw8n****6EugsN****96iNvaz_01d0b2c6222b59fc5438b93f34d02772ab34a6772c50fd476c43240bdbb24c6e_1
mnX 107.456.124.41:65010 88Kdfdg****PyjbMrvcxvxn****6E90N****96iNvbs_c1b0b2c6222b47d8b93f34d02772ab34a6772c50fd476c43240bdbb24983_0
```

- b. Then close and reopen wallet after saving the masternode configuration file.
- c. Go to tools >> debug console >> type: masternode start-alias mnX

### QUESTIONS, CONCERNS, ISSUES!!!!!!!!!!!!

If you have questions please visit our discord at: <https://discord.gg/spSakR9> or visit: <https://bitcointalk.org/index.php?topic=2133048.0>

PS: If you message me, please type the following:

**vsx masternode guide help.** (this is all I need, so I know what you need help with).

If I don't respond type the issue you are having. If I don't respond after 30mins please message one of the other team members.

If your issue is solved, please let me know so I don't chase you down trying to help you solve the issue 😊. Thank you for your time :D.

Happy Masternoding!!!!!!!!!!!!!! 😊