



Hot / Cold Wallet Masternode Setup for Vultr VPS

*AKA - The way to setup a
masternode so you don't have to
have your Desktop Wallet
running 24/7.*

Create an Unbuntu 16.04 x64 VPS server with 25gb SSD 1024mb Ram <https://vultr.com>

Welcome back, Andrew Hopkins! ▾

Deploy New Instance

Vultr Cloud Compute (VC2)

80% OFF PROMO

Bare Metal Instance

Storage Instance

Dedicated Instance

1

Server Location

All Locations

America

Europe

Australia

Asia

Atlanta

United States

New York (NJ)

United States

Chicago

United States

Dallas

United States

Los Angeles

United States

Miami

United States

Seattle

United States

Silicon Valley

United States

Toronto

Canada

Amsterdam

Netherlands

Paris

France

Frankfurt

Germany

London

United Kingdom

Tokyo

Japan

Singapore

Singapore

Sydney

Australia

2

Server Type

64 bit OS

32 bit OS

Application

Upload ISO

ISO Library

Backup

Snapshot

CentOS

Select Version

CoreOS

Stable x64

Debian

Select Version

Fedora

Select Version

FreeBSD

Select Version

OpenBSD

Select Version

Ubuntu

16.04 x64

Windows

Select Version

3

Server Size

25 GB SSD

\$5/mo

\$0.007/h

1 CPU

1024MB Memory

1000GB Bandwidth

55 GB SSD

\$10/mo

\$0.015/h

1 CPU

2048MB Memory

2000GB Bandwidth

80 GB SSD

\$20/mo

\$0.03/h

2 CPU

4096MB Memory

3000GB Bandwidth

160 GB SSD

\$40/mo

\$0.06/h

4 CPU

8192MB Memory

4000GB Bandwidth

320 GB SSD

\$80/mo

\$0.119/h

6 CPU

16384MB Memory

5000GB Bandwidth

640 GB SSD

\$160/mo

\$0.238/h

8 CPU

32768MB Memory

6000GB Bandwidth

1280 GB SSD

\$320/mo

\$0.476/h

16 CPU

65536MB Memory

10000GB Bandwidth

4

Additional Features

☐ Enable IPv6

☐ Enable Auto Backups \$1.00/mo

☐ Enable DDOS Protection ⓘ \$10/mo

☐ Enable Private Networking ⓘ

5

Startup Script (Manage)

Add New

6

SSH Keys (Manage)

Add New

7

Firewall Group (Manage)

No Firewall

8

Server Hostname & Label

Enter server hostname

Enter server label

Servers Qty:

Summary:

Deploy Now

Additional 8.25% Sales Tax applicable to your account

Update Settings

Download and Install Putty

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

Download PuTTY: latest release (0.71)

[Home](#) | [FAQ](#) | [Feedback](#) | [Licence](#) | [Updates](#) | [Mirrors](#) | [Keys](#) | [Links](#) | [Team](#)
Download: [Stable](#) · [Snapshot](#) | [Docs](#) | [Changes](#) | [Wishlist](#)

This page contains download links for the latest released version of PuTTY. Currently this is 0.71, released on 2019-03-16.

When new releases come out, this page will update to contain the latest, so this is a good page to bookmark or link to. Alternatively, here is a [permanent link to the 0.71 release](#).

Release versions of PuTTY are versions we think are reasonably likely to work well. However, they are often not the most up-to-date version of the code available. If you have a problem with this release, then it might be worth trying out the [development snapshots](#), to see if the problem has already been fixed in those versions.

Package files

You probably want one of these. They include versions of all the PuTTY utilities.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

MSI ('Windows Installer')

32-bit:	putty-0.71-installer.msi	(or by FTP)	(signature)
64-bit:	putty-64bit-0.71-installer.msi	(or by FTP)	(signature)

Unix source archive

.tar.gz:	putty-0.71.tar.gz	(or by FTP)	(signature)
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Alternative binary files

The installer packages above will provide versions of all of these (except PuTTYtel), but you can download standalone binaries one by one if you prefer.

(Not sure whether you want the 32-bit or the 64-bit version? Read the [FAQ entry](#).)

putty.exe (the SSH and Telnet client itself)

32-bit:	putty.exe	(or by FTP)	(signature)
64-bit:	putty.exe	(or by FTP)	(signature)

Open Putty after download and Copy your IP address from your newly created Vultr Server and Paste it into Putty then click open

Servers

Billing

Support

Affiliate

Account

Server Information

149.28.241.66 Dallas Ubuntu 16.04 x64

Overview

Usage Graphs

Settings

Snapshots

Bandwidth Usage

1.2GB/1000GB

Location:

IP Address:

Username:

Password:

Dallas

149.28.241.66

root

.....

PuTTY Configuration

Category:

Session

Logging

Terminal

Keyboard

Bell

Features

Window

Appearance

Behaviour

Translation

Selection

Colours

Connection

Data

Proxy

Telnet

Rlogin

SSH

Serial

Basic options for your PuTTY session

Specify the destination you want to connect to

Host Name (or IP address)

149.28.241.66

Port

22

Connection type:

☐ Raw

☐ Telnet

☐ Rlogin

☒ SSH

☐ Serial

Load, save or delete a stored session

Saved Sessions

Default Settings

149.28.241.66

149.28.248.204

Load

Save

Delete

Close window on exit:

☐ Always

☐ Never

☒ Only on clean exit

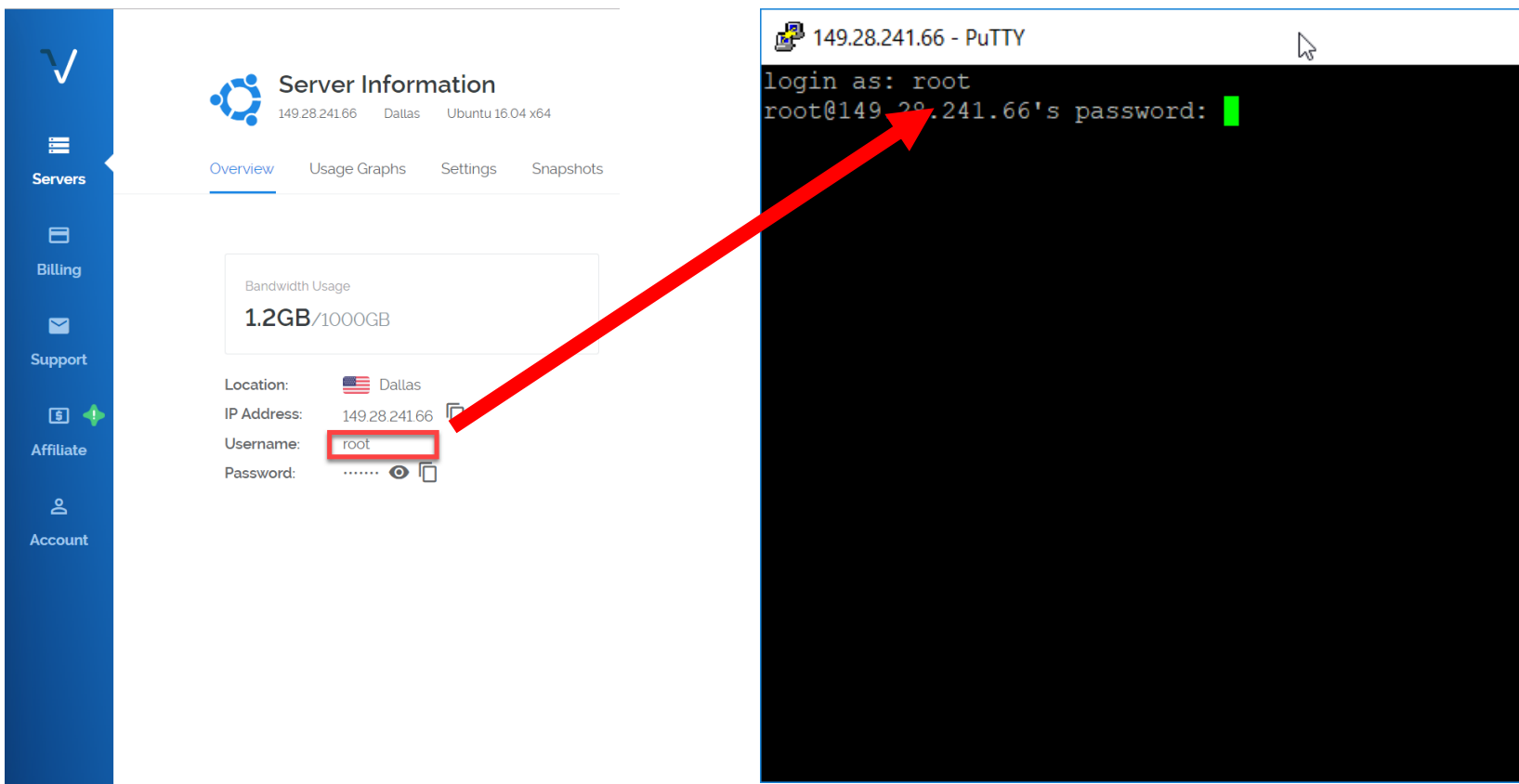
About

Help

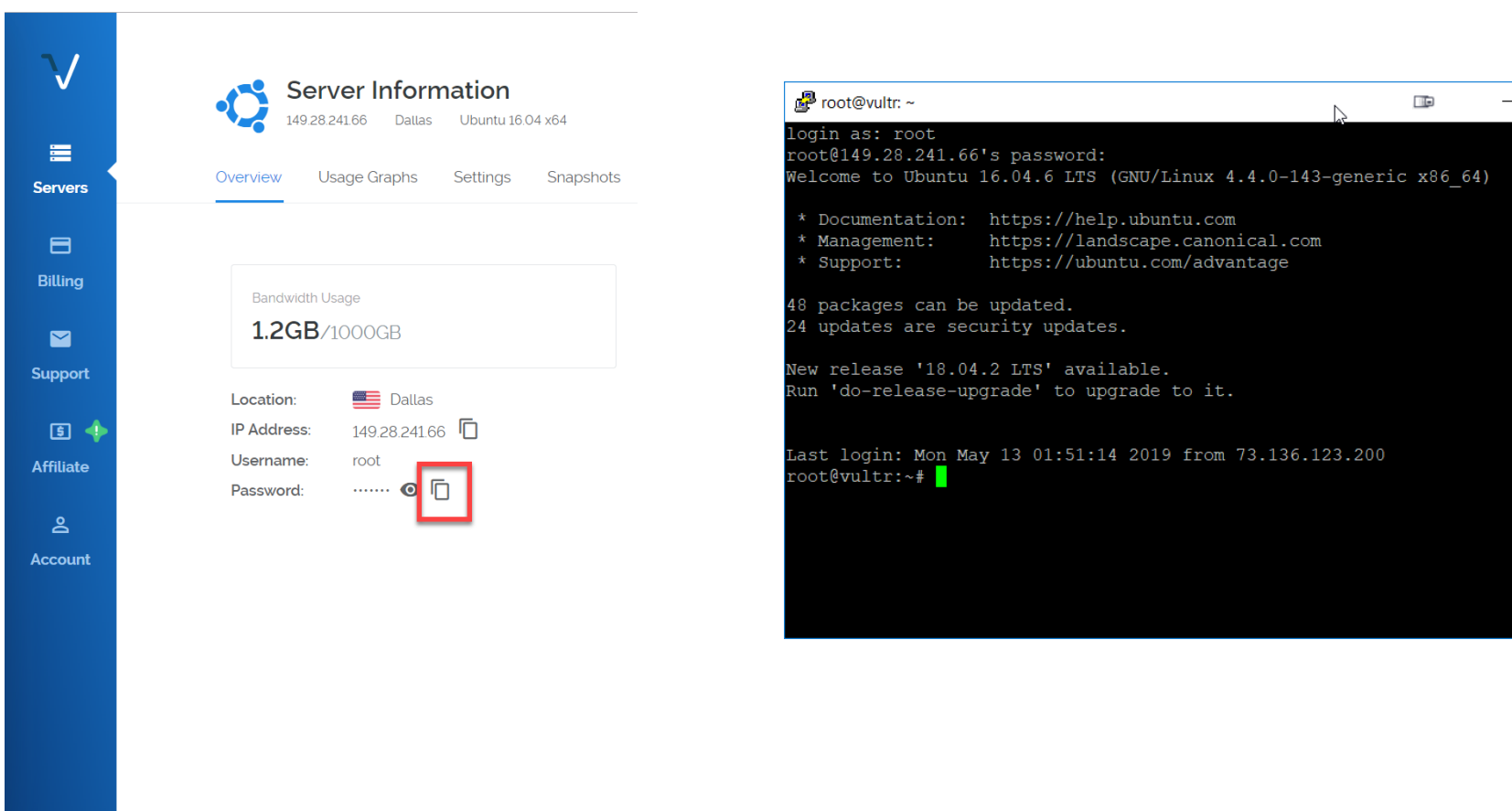
Open

Cancel

You will now login to Putty with your Username and Password which can be found on your Vultr Server Information Page



To paste your password in Putty, copy your password from the Vultr page then single right click on the Putty terminal and press enter. You won't see the password displayed, however it is pasted.



```
root@vultr: ~  
login as: root  
root@149.28.241.66's password:  
Welcome to Ubuntu 16.04.6 LTS (GNU/Linux 4.4.0-143-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/advantage  
  
48 packages can be updated.  
24 updates are security updates.  
  
New release '18.04.2 LTS' available.  
Run 'do-release-upgrade' to upgrade to it.  
  
Last login: Mon May 13 01:51:14 2019 from 73.136.123.200  
root@vultr:~# bash <(curl -s https://raw.githubusercontent.com/Euno/install-wallet/master/install-wallet.sh)
```

Paste the following (By right clicking) into the terminal and press Enter

```
bash <(curl -s https://raw.githubusercontent.com/Euno/install-wallet/master/install-wallet.sh)
```

You will now be prompted to select an installation.
Enter in the number 1 then press enter

```
root@vultr: ~  
  
** EUNO - A privacy based cryptocurrency | https://euno.co/ **  
  
*****  
** 1) Install EUNO CLI Wallet on Ubuntu LTS 16.04 **  
** 2) Install EUNO GUI Wallet on Ubuntu LTS 16.04 **  
** 3) Install EUNO CLI Wallet on Raspberry Pi **  
** 4) Install EUNO GUI Wallet on Raspberry Pi **  
*****  
Please enter a menu option and enter or enter to exit.  
█
```

It will now install the EUNO CLI Wallet onto your Vultr VPS
(This may take from several minutes to about 10 minutes)

```
root@vultr: ~
libtool: install: /usr/bin/install -c .libs/libsecp256k1.a /usr/lib/libsecp256k1.a
libtool: install: chmod 644 /usr/lib/libsecp256k1.a
libtool: install: /usr/bin/ranlib /usr/lib/libsecp256k1.a
libtool: finish: PATH="/usr/local/sbin:/usr/local/bin:/usr/sbin:/usr/bin:/sbin:/bin:/snap/bin:/sbin" ldconfig -n /usr/lib
-----
Libraries have been installed in:
  /usr/lib

If you ever happen to want to link against installed libraries
in a given directory, LIBDIR, you must either use libtool, and
specify the full pathname of the library, or use the '-LLIBDIR'
flag during linking and do at least one of the following:
- add LIBDIR to the 'LD_LIBRARY_PATH' environment variable
  during execution
- add LIBDIR to the 'LD_RUN_PATH' environment variable
  during linking
- use the '-Wl,-rpath -Wl,LIBDIR' linker flag
- have your system administrator add LIBDIR to '/etc/ld.so.conf'

See any operating system documentation about shared libraries for
more information, such as the ld(1) and ld.so(8) manual pages.
-----
/bin/mkdir -p '/usr/include'
/usr/bin/install -c -m 644 include/secp256k1.h '/usr/include'
/bin/mkdir -p '/usr/lib/pkgconfig'
/usr/bin/install -c -m 644 libsecp256k1.pc '/usr/lib/pkgconfig'
make[1]: Leaving directory '/root/eunowallet/src/secp256k1'

** Compiling EUNO Wallet (may take a while) **
/bin/sh ../share/genbuild.sh obj/build.h
g++ -c -O2 -pthread -Wall -Wextra -Wno-ignored-qualifiers -Wformat -Wformat-security -Wno-unused-parameter -g -DBOOST_SPIRIT_THREADSafe -I/root/eunowallet/src -I/root/eunowallet/src/obj -D
USE_UPNP=0 -DENABLE_WALLET -I/root/eunowallet/src/leveldb/include -I/root/eunowallet/src/leveldb/helpers -DHAVE_BUILD_INFO -fno-stack-protector -fstack-protector-all -Wstack-protector -D_FO
RTIFY_SOURCE=2 -MMD -MF obj/txdb-leveldb.d -o obj/txdb-leveldb.o txdb-leveldb.cpp
g++ -O2 -pthread -Wall -Wextra -Wno-ignored-qualifiers -Wformat -Wformat-security -Wno-unused-parameter -g -DBOOST_SPIRIT_THREADSafe -I/root/eunowallet/src -I/root/eunowallet/src/obj -DUSE
UPNP=0 -DENABLE_WALLET -I/root/eunowallet/src/leveldb/include -I/root/eunowallet/src/leveldb/helpers -DHAVE_BUILD_INFO -fno-stack-protector -fstack-protector-all -Wstack-protector -D_FORTI
FY_SOURCE=2 -o eunod obj/groestl.o obj/blake.o obj/bmw.o obj/skein.o obj/keccak.o obj/shavite.o obj/jh.o obj/luffa.o obj/cubehash.o obj/echo.o obj/simd.o obj/alert.o obj/version.o obj/chec
kpoints.o obj/netbase.o obj/addrman.o obj/crypter.o obj/key.o obj/eckey.o obj/init.o obj/bitcoind.o obj/keystore.o obj/core.o obj/main.o obj/net.o obj/protocol.o obj/rpcclient.o obj/rpcprot
ocol.o obj/rpcserver.o obj/rpcmisc.o obj/rpcnet.o obj/rpcblockchain.o obj/rpcrawtransaction.o obj/rpcsmmessage.o obj/timedata.o obj/script.o obj/scrypt.o obj/sync.o obj/txmempool.o obj/util.
o obj/hash.o obj/noui.o obj/kernel.o obj/pbkdf2.o obj/chainparams.o obj/stealth.o obj/activemasternode.o obj/darksend.o obj/eccryptoverify.o obj/instantx.o obj/masternodeconfig.o obj/master
node.o obj/rpcdarksend.o obj/spork.o obj/crypto/hmac_sha256.o obj/crypto/hmac_sha512.o obj/crypto/rfc6979_hmac_sha256.o obj/crypto/ripemd160.o obj/crypto/sha1.o obj/crypto/sha256.o obj/cryp
to/sha512.o obj/smessage.o obj/db.o obj/miner.o obj/rpcdump.o obj/rpcmining.o obj/rpcwallet.o obj/wallet.o obj/walletdb.o obj/txdb-leveldb.o -Wl,-z,relro -Wl,-z,now -Wl,-Bdynamic -l boost
_system -l boost_filesystem -l boost_program_options -l boost_thread -l db_cxx -l ssl -l crypto -l miniupnpc -Wl,-Bdynamic -l z -l dl -l pthread /root/eunowallet/src/leveldb/libleveldb.a /r
oot/eunowallet/src/leveldb/libmemenv.a
cp: cannot create regular file '/root/eunowallet/eunod': Text file busy
** euno.conf already exists! **

** Done! **
** Euno Wallet Daemon: ~/eunowallet/eunod **
** Euno Data Folder: cd ~/.euno/ **
** Euno Wallet Default Config File: cd ~/.euno/euno.conf **
** To Start: ~/eunowallet/eunod -daemon -start **
root@vultr:~#
```

After installation is complete copy and paste the following code into putty:

```
~/eunowallet/eunod -daemon -start
```

It will now notify you that the EUNO Server is starting, press enter once to get to the next line

```
root@vultr:~# ~/eunowallet/eunod -daemon -start
root@vultr:~# Euno server starting

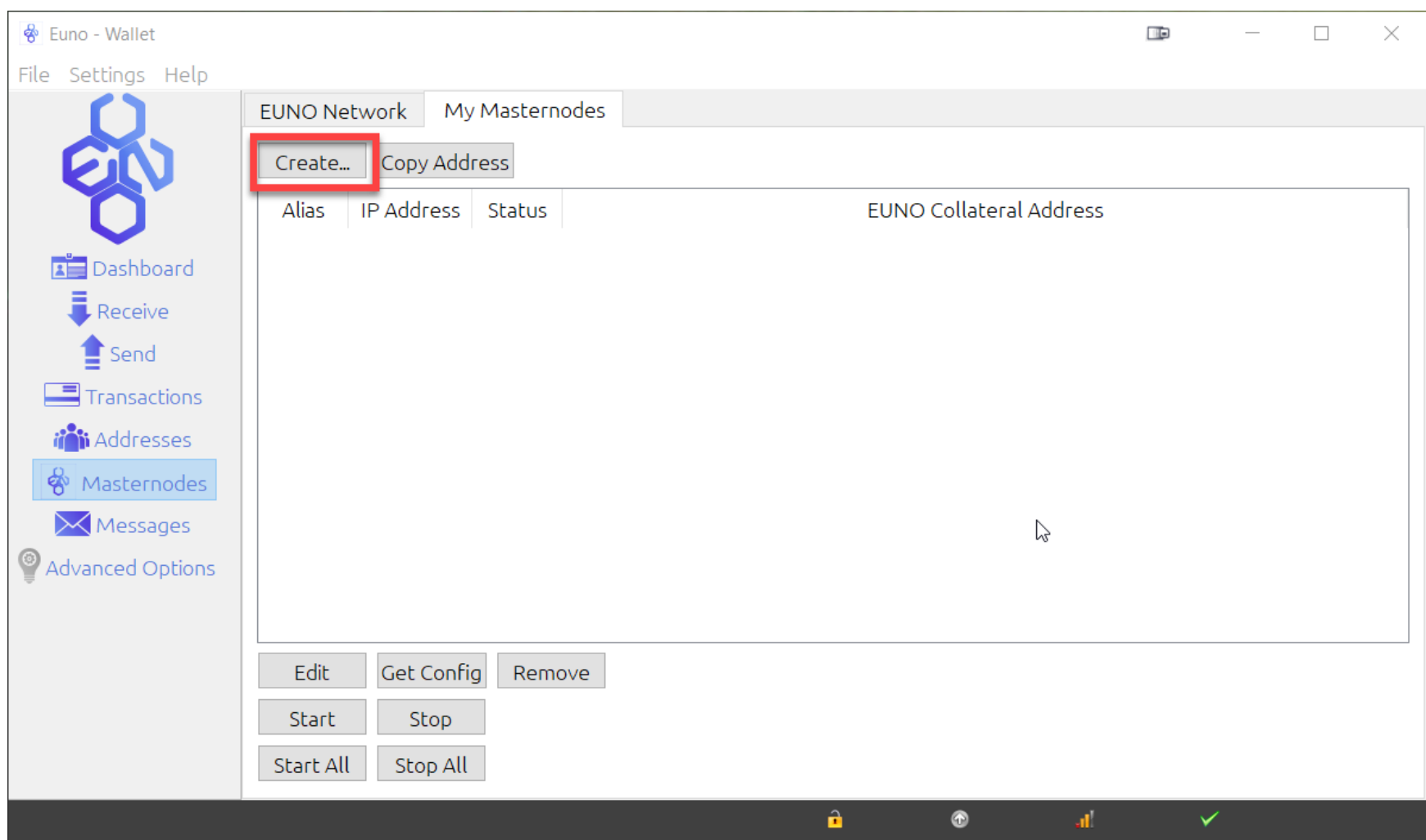
root@vultr:~#
```

Now open your Euno Desktop Wallet, if you don't already have one, download at

<https://euno.co>

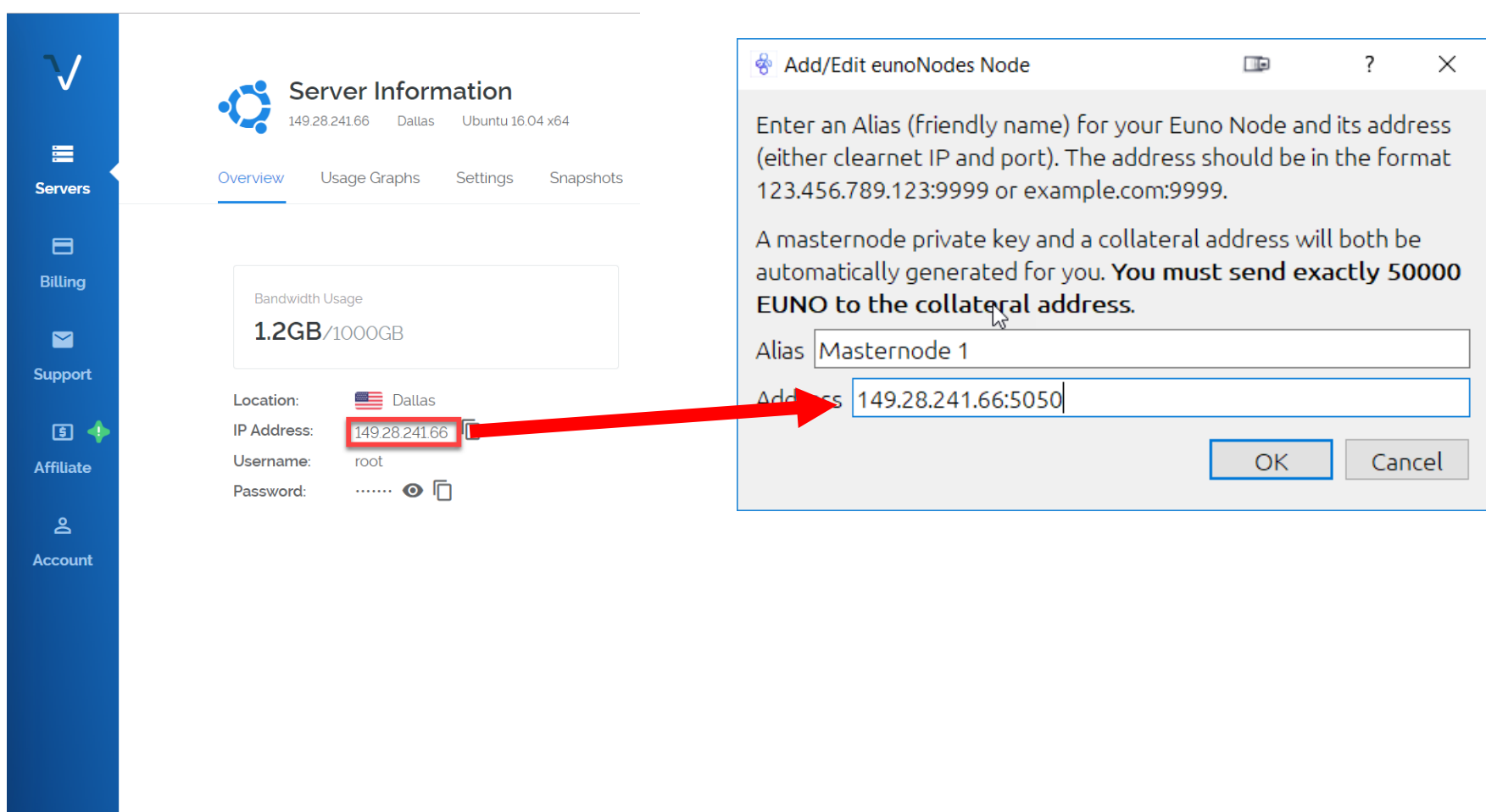
On the left menu of the Euno Desktop Wallet, select the Masternodes Tab, then the My Masternodes tab

Now click the Create button

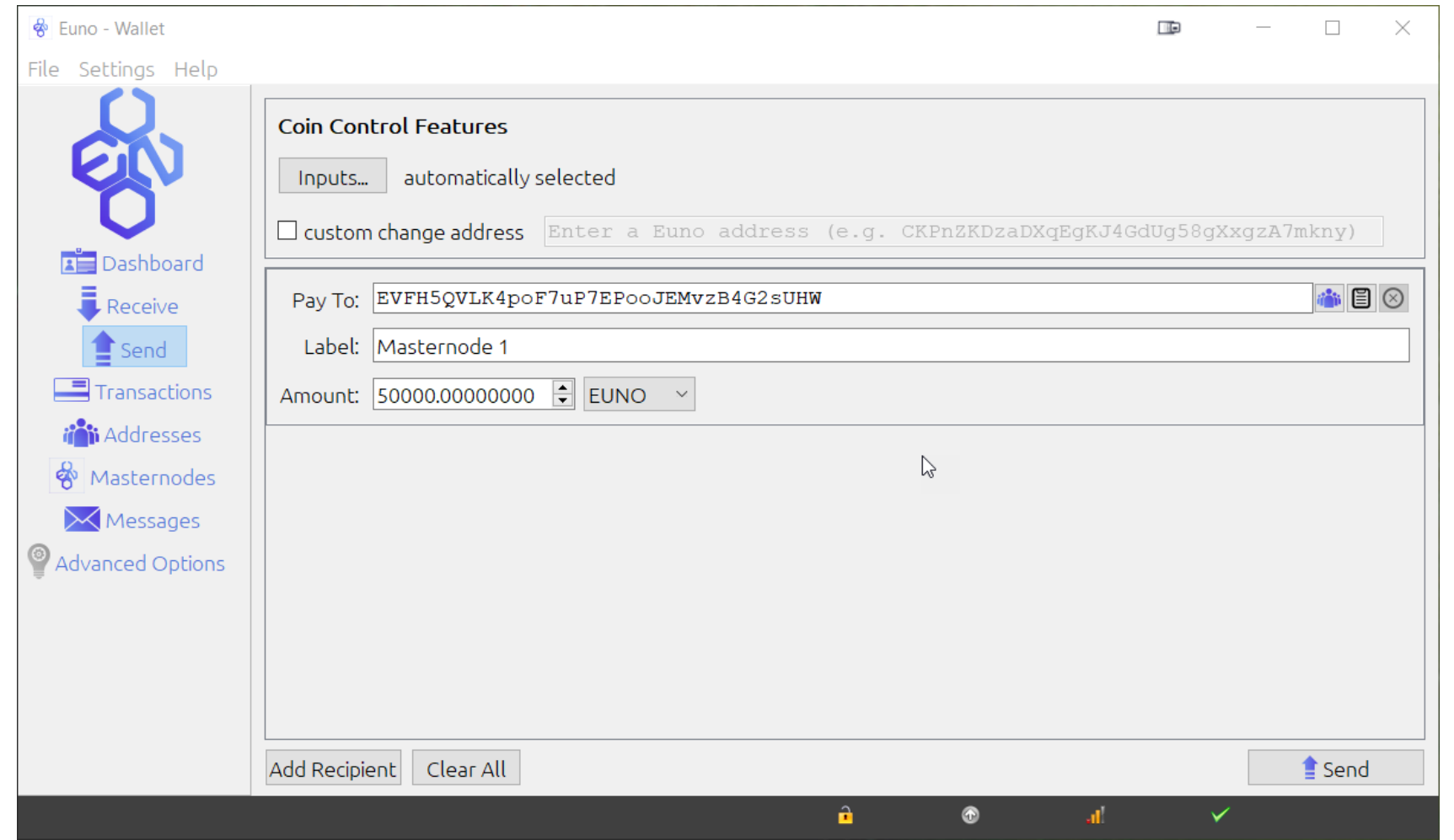
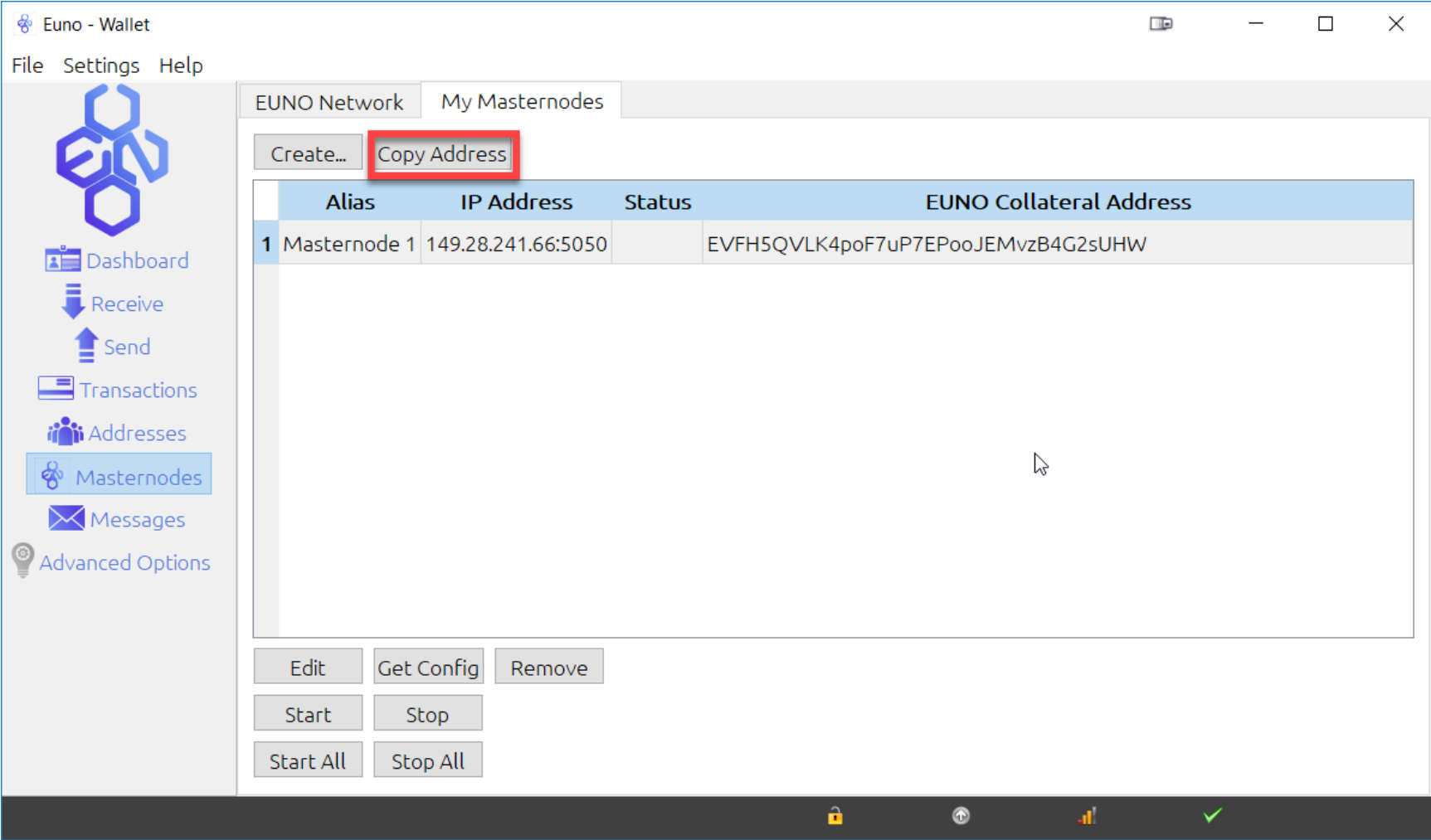


Enter in a name for your Masternode and the IP address and port # from Vultr then press OK

Vultr uses port 5050 so mine would be:
149.28.241.66:5050

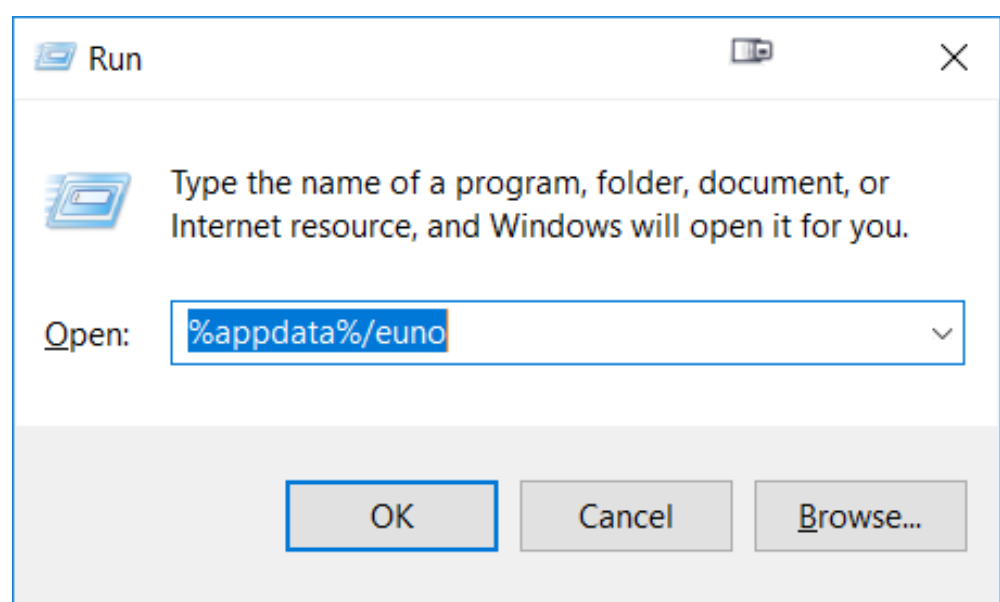


Now copy your newly created Collateral Address and send exactly 50,000 EUNO to this address



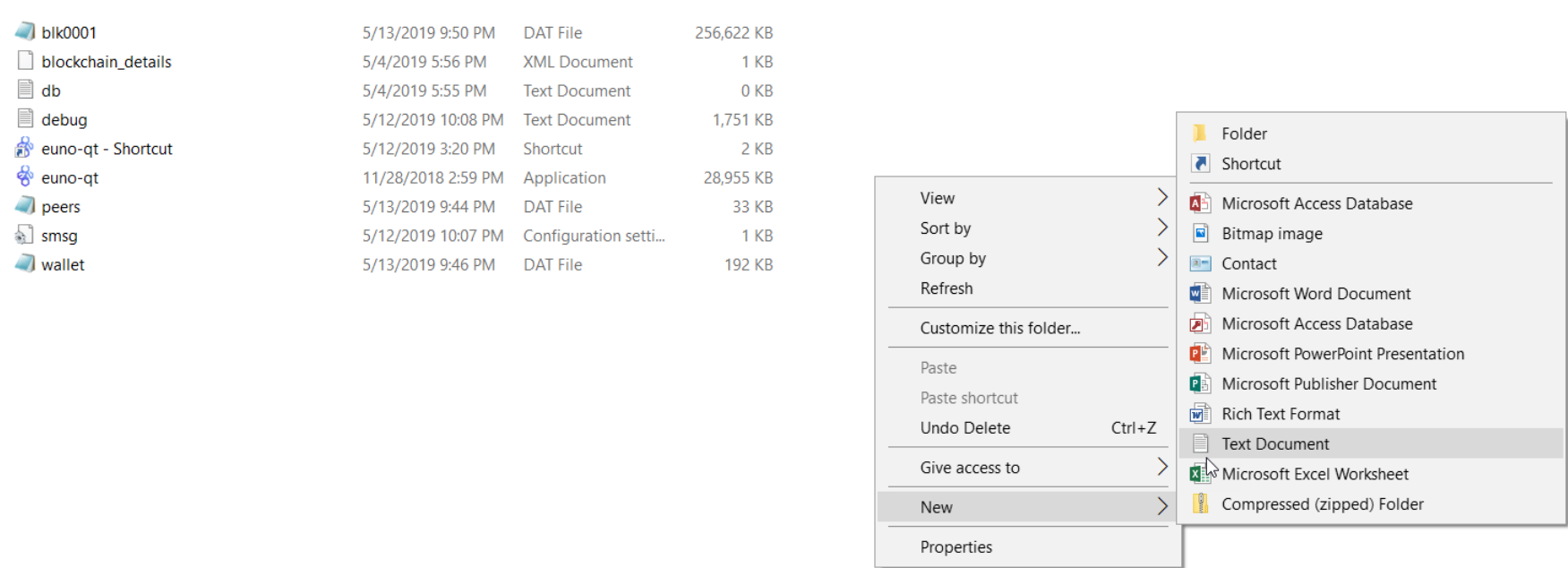
Press your Windows Key + R and then type the following into the Run box and press the OK button

%appdata%/euno

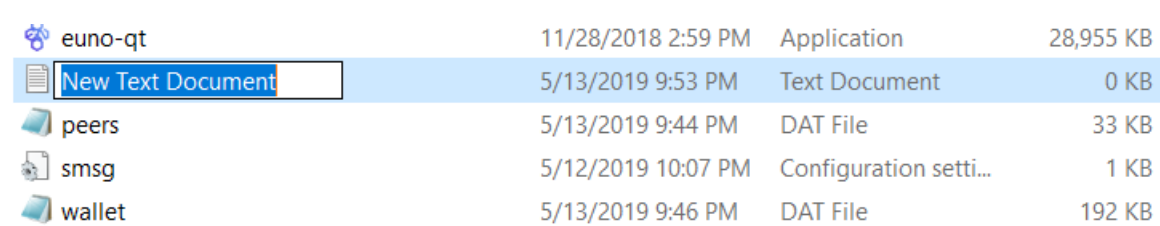


If you do not already have a euno.conf file, we will need to create one. If you do, skip to the next page.

Right click inside the folder and go to New > Text Document

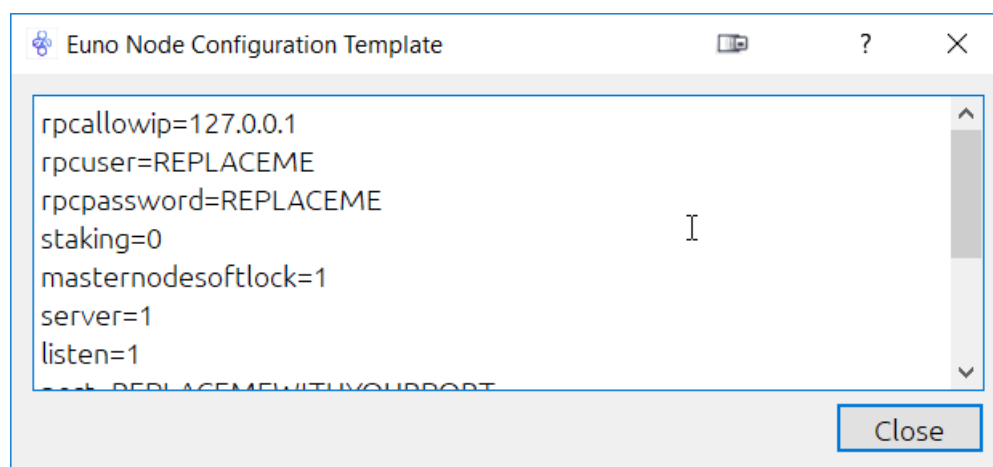


Just Press your enter key to create the new document, you do not need to name it yet

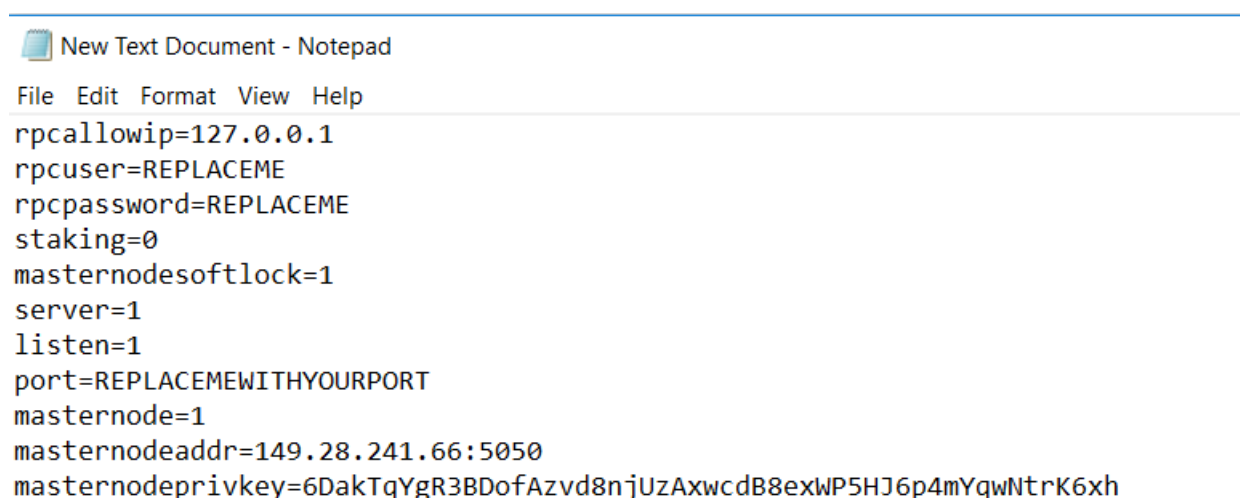


Now open the New Text Document you just created
(or if you already had a euno.conf file, open it)

Go to your Euno Desktop Wallet, click the
Masternodes Tab on the Left, then My Masternodes
tab on the top and then click the Get Config button



Copy Everything from this window and paste it into
your New Text Document (or your euno.conf file if
you already had one)



Now you need to edit the following places:

Rpcuser= If you used Vultr, this will be root

rpcpassword= This is your Vultr Password from the
Server Information Screen

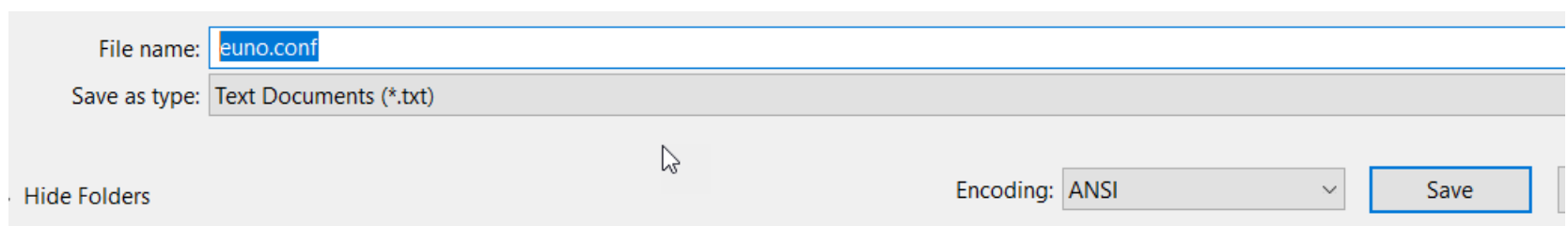
port= If you used Vultr, this will be 5050

Your document should now look like the following
(Except with your own information you inputted)

```
File Edit Format View Help
rpcallowip=127.0.0.1
rpcuser=root
rpcpassword=149#93@-_02{3}
staking=0
masternodesoftlock=1
server=1
listen=1
port=5050
masternode=1
masternodeaddr=149.28.241.66:5050
masternodeprivkey=6DakTqYgR3BDofAzvd8njUzAxwcdB8exWP5HJ6p4mYqwNtrK6xh
|
```

Now go to File > Save As then in the file name type:
euno.conf

(If you already had a euno.conf file just File > Save)



Leave your Euno.conf notepad window up and now
go back to your Putty window and type the
following code and press enter:

```
apt install mc
```

```
root@vultr:~# apt install mc
```

Type the following code and press enter:

```
mcedit ~/.euno/euno.conf
```

```
root@vultr:~# mcedit ~/.euno/euno.conf
```

You will now see a big blue screen, go to the very top and press your enter key a few times to move the first “Addnode=ipaddress” down a few lines. Now copy everything from your euno.conf file you have open and paste it into the screen.

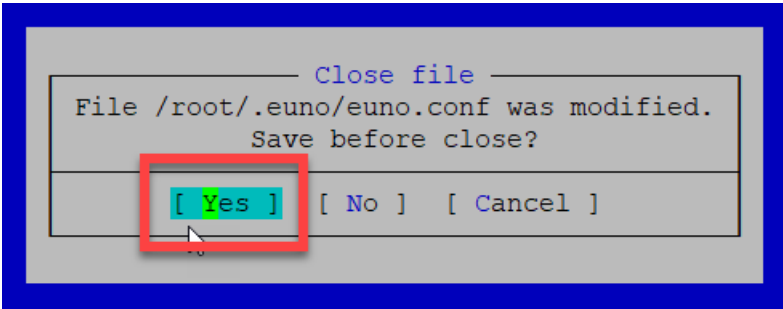
If there is anything already above the first “Addnode” delete it first
To “paste” into this screen you will need to hold your “Shift + Insert” key at the same time

```
File Edit Format View Help
rpcallowip=127.0.0.1
rpcuser=root
rpcpassword=149#93@-_02(3}
staking=0
masternodesoftlock=1
server=1
listen=1
port=5050
masternode=1
masternodeaddr=149.28.241.66:5050
masternodeprivkey=6DakTqYgR3BDofAzvd8njUzAxwcdB8exWP5HJ6p4mYqwNtrK6xh
```

```
root@vultr: ~
/root/.euno/euno.conf [ M ] 0 T + 1 1 31 22 / 221
rpcallowip=127.0.0.1
rpcuser=root
rpcpassword=149#93@-_02(3}
staking=0
masternodesoftlock=1
server=1
listen=1
port=5050
masternode=1
masternodeaddr=149.28.241.66:5050
masternodeprivkey=6DakTqYgR3BDofAzvd8njUzAxwcdB8exWP5H
addnode=163.158.131.131
addnode=88.131.213.113
addnode=92.42.46.232
addnode=76.67.191.60
addnode=92.177.117.175
addnode=86.142.191.181
addnode=67.61.209.26
addnode=85.204.97.249
addnode=35.236.214.74
addnode=88.131.213.116
addnode=83.87.69.215
addnode=70.180.23.13
addnode=149.28.83.67
addnode=66.42.85.116
addnode=95.179.148.9
addnode=77.250.25.241
addnode=198.166.60.162
addnode=165.227.128.208
```

Your screen should now look like the picture above on the right, but with your information instead

Now you need to Save and Quit, to do this, Click with your mouse on Quit in the bottom right hand corner, then it will ask if you want to save first, and click yes

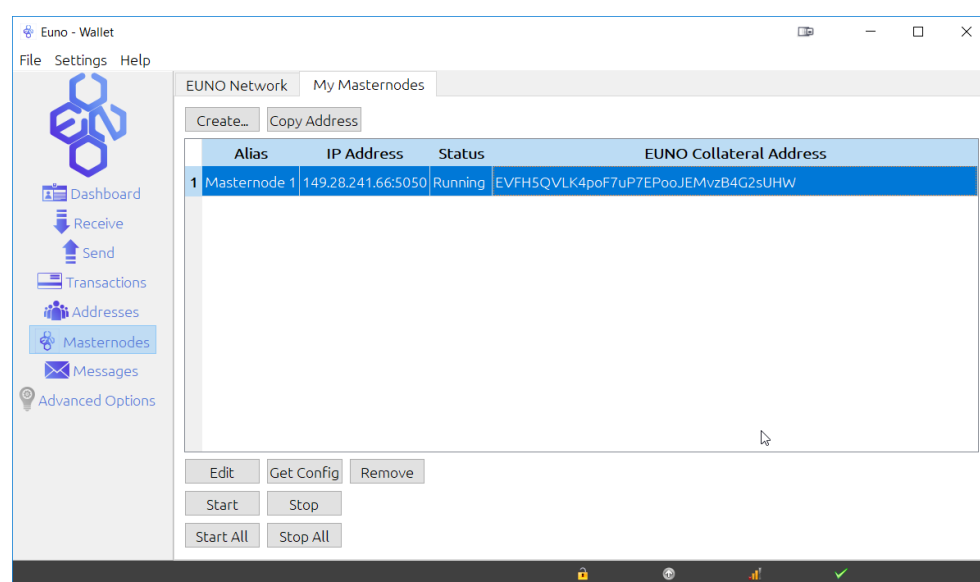


You can now close out of putty and your Euno.conf file as we will no longer need to access it.

Open back up your Euno Desktop Wallet and Click on the Masternodes Tab on the Left, then My Masternodes tab on the top.

Select your newly created masternode and press the start button. (If your wallet is locked, you will need to unlock it) The status should change to “Started” for a few seconds, up to a few minutes, then change to “Running” once it’s completed.

Once the status shows “Running” you can now close down your Euno Desktop Wallet.



Creating your Hot/ Cold wallet this way, your coins are always on your local computer, using Vultr as the processor. Make sure you make a backup of your wallet as that will still be the only place you can access them.



EUNO.

If you have any questions, feel free to come ask on
Telegram at:

<https://t.me/EUNOofficial>