

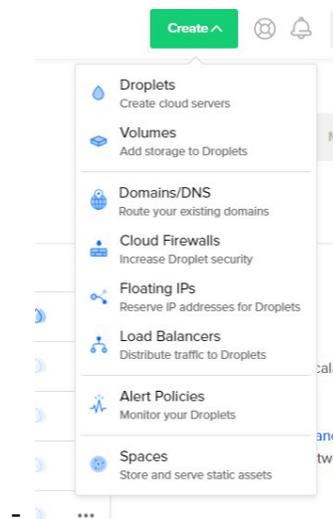
## NUTS Coins

### Setup NUTS coin masternode wallet

1) Set up your VPS for your masternode

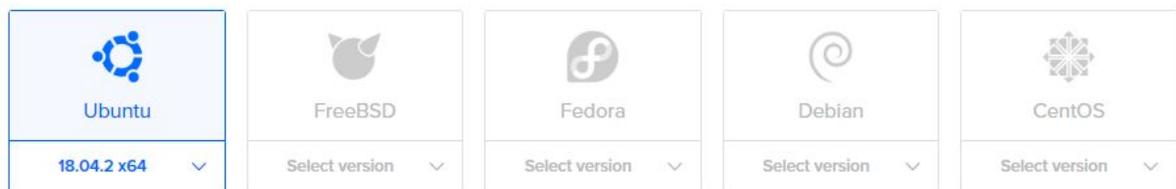
#### VPS for your Masternode

- Feel free to choose any VPS host you are comfortable with
- For this guide, DigitalOcean is used as a VPS host
- Register and Sign in to DigitalOcean <https://www.digitalocean.com>
- Create a droplet



#### Choose an image ?

**Distributions** Container distributions Marketplace Snapshots Backups Custom images



- Choose Ubuntu option with 18.04.2 x64
- Choose Standard plan
- Choose the option with 1GB/1CPU, 25 GB SSD disk. 1000 GB transfers

## Choose a plan

STARTER	PERFORMANCE	
<b>Standard</b>	General Purpose <b>LTD</b>	CPU Optimized

Standard virtual machines with a mix of memory and compute resources. Best for small projects that can handle variable levels of CPU performance, like blogs, web apps and dev/test environments.

<b>\$5/mo</b> \$0.007/hour	<b>\$10/mo</b> \$0.015/hour	<b>\$15/mo</b> \$0.022/hour	<b>\$15/mo</b> \$0.022/hour	<b>\$15/mo</b> \$0.022/hour	<b>\$20/mo</b> \$0.030/hour
1 GB / 1 CPU 25 GB SSD disk 1000 GB transfer	2 GB / 1 CPU 50 GB SSD disk 2 TB transfer	3 GB / 1 CPU 60 GB SSD disk 3 TB transfer	2 GB / 2 CPUs 60 GB SSD disk 3 TB transfer	1 GB / 3 CPUs 60 GB SSD disk 3 TB transfer	4 GB / 2 CPUs 80 GB SSD disk 4 TB transfer

[Show all plans](#)

- Choose any region

## Choose a datacenter region

 New York 1   2   3	 San Francisco 1   2	 Amsterdam 2   3	 Singapore 1	 London 1	 Frankfurt 1
 Toronto 1	 Bangalore 1				

- Create a hostname

## Choose a hostname

Give your Droplets an identifying name you will remember them by. Your Droplet name can only contain alphanumeric characters, dashes, and periods.

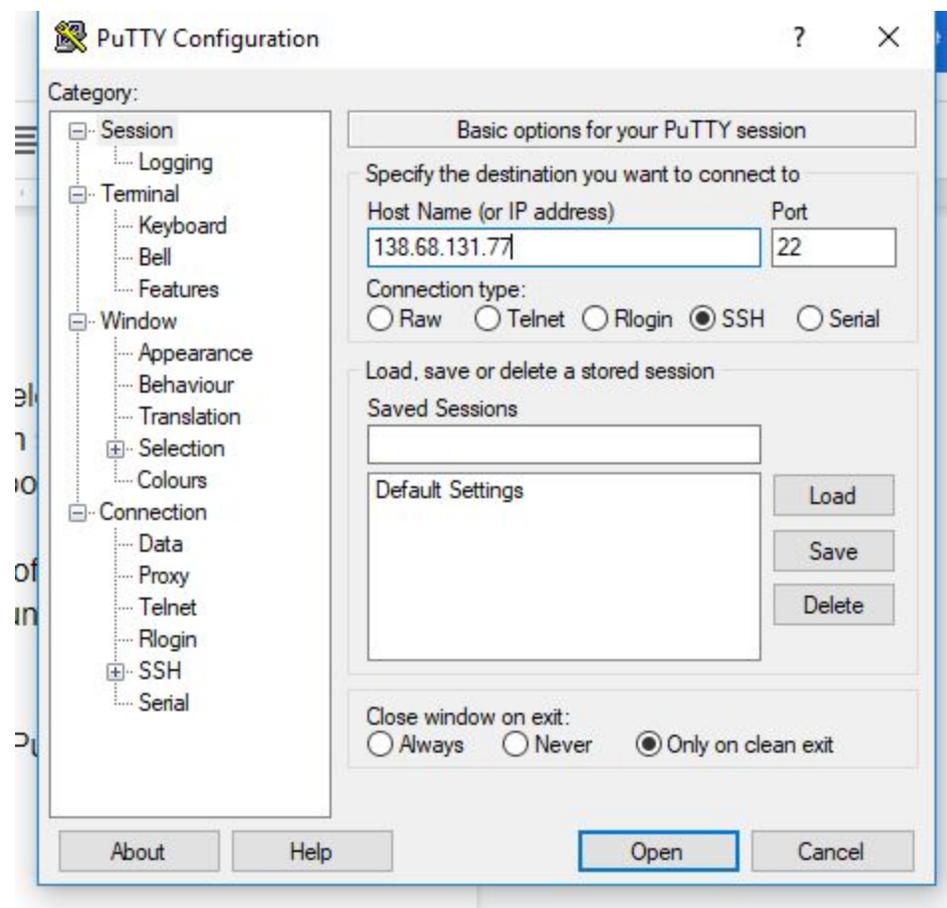
After this step you are now ready to create your VPS address.

Once you have created your VPS, check your email for all of your VPS information. This information can be found in your email sent by your VPS Provider

## Downloading PuTTY

Download Putty to connect to the server. Go to <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html> and select the appropriate MSI installer for your computer. On Mac or Linux, you can ssh directly from the terminal- type `ssh root@<server_ip>` to connect to VPS \*ask shai about this\*

Install and run PuTTY from your Start menu. Enter the IP address of your VPS in the Host Name Field and click Open.



All your VPS information can be found in your email sent by your VPS Provider

Your new Droplet is all set to go! You can access it using the following credentials:

Droplet Name: TiffanyMasternode  
IP Address: 138.68.131.77  
Username: root  
Password: 4c489dfd3359e11bc1d16d4906

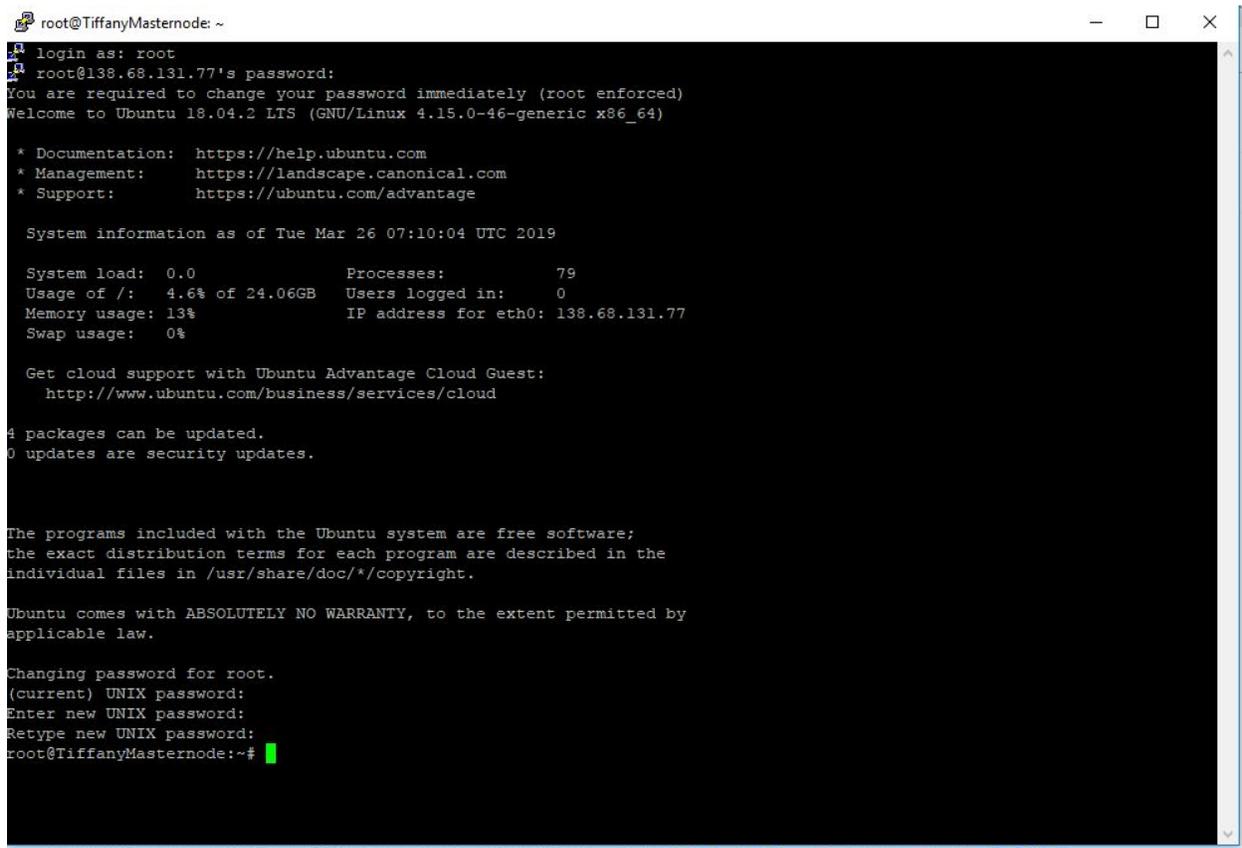
For security reasons, you will be required to change this Droplet's root password when you login. You should choose a strong password that will be easy for you to remember, but hard for a computer to guess. You might try creating an alpha-numerical phrase from a memorable sentence (e.g. "I won my first spelling bee at age 7," might become "lwm#1sbaa7"). Random strings of common words, such as "Mousetrap Sandwich Hospital Anecdote," tend to work well, too.

As an added security measure, we also strongly recommend adding an SSH key to your account. You can do that here: <https://cloud.digitalocean.com/settings/security?i=2debd8>

Once added, you can select your SSH key and use it when creating future Droplets. This eliminates the need for root passwords altogether, and makes your Droplets much less vulnerable to attack.

Happy Coding,  
Team DigitalOcean

Copy the default password from your email and right-click inside the PuTTY window  
Press Enter  
You can now enter your new password



```
root@TiffanyMasternode: ~  
login as: root  
root@138.68.131.77's password:  
You are required to change your password immediately (root enforced)  
Welcome to Ubuntu 18.04.2 LTS (GNU/Linux 4.15.0-46-generic x86_64)  
  
* Documentation:  https://help.ubuntu.com  
* Management:    https://landscape.canonical.com  
* Support:        https://ubuntu.com/advantage  
  
System information as of Tue Mar 26 07:10:04 UTC 2019  
  
System load:  0.0          Processes:            79  
Usage of /:   4.6% of 24.06GB   Users logged in:     0  
Memory usage: 13%          IP address for eth0: 138.68.131.77  
Swap usage:   0%  
  
Get cloud support with Ubuntu Advantage Cloud Guest:  
http://www.ubuntu.com/business/services/cloud  
  
4 packages can be updated.  
0 updates are security updates.  
  
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.  
  
Changing password for root.  
(current) UNIX password:  
Enter new UNIX password:  
Retype new UNIX password:  
root@TiffanyMasternode:~#
```

Right click to paste the code

```
wget https://dist.simianlabs.net/nuts/mn.sh  
chmod a+x mn.sh  
./mn.sh
```

onto PuTTY and click enter.

```
root@TiffanyMasternode:~# wget https://dist.simianlabs.net/nuts/mn.sh
--2019-03-26 07:13:38-- https://dist.simianlabs.net/nuts/mn.sh
Resolving dist.simianlabs.net (dist.simianlabs.net)... 104.24.108.86, 104.24.109.86, 2606:4700:30::6818:6c56, ...
Connecting to dist.simianlabs.net (dist.simianlabs.net)|104.24.108.86|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 6528 (6.4K) [application/octet-stream]
Saving to: 'mn.sh'

mn.sh          100%[=====>] 6.38K  --.-KB/s  in 0s

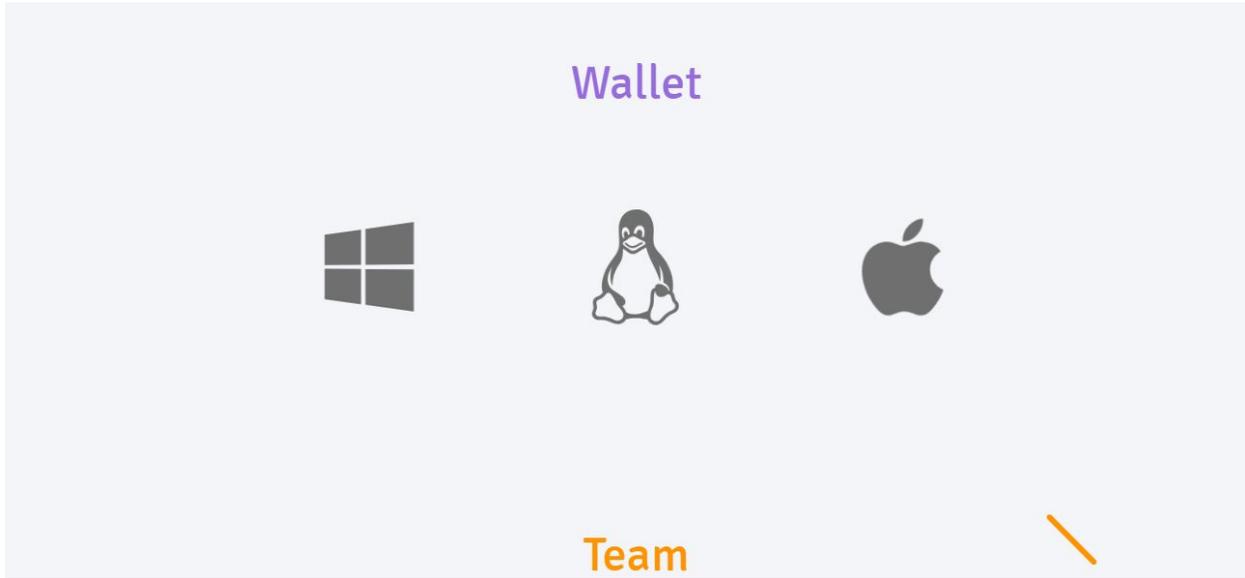
2019-03-26 07:13:39 (53.7 MB/s) - 'mn.sh' saved [6528/6528]

root@TiffanyMasternode:~# chmod a+x mn.sh
root@TiffanyMasternode:~# ./mn.sh
```

Press Enter and let PuTTY run

Refer to steps below to get the masternode genkey. (Index)  
PuTTY will generate the ports you will use to set up the masternode later

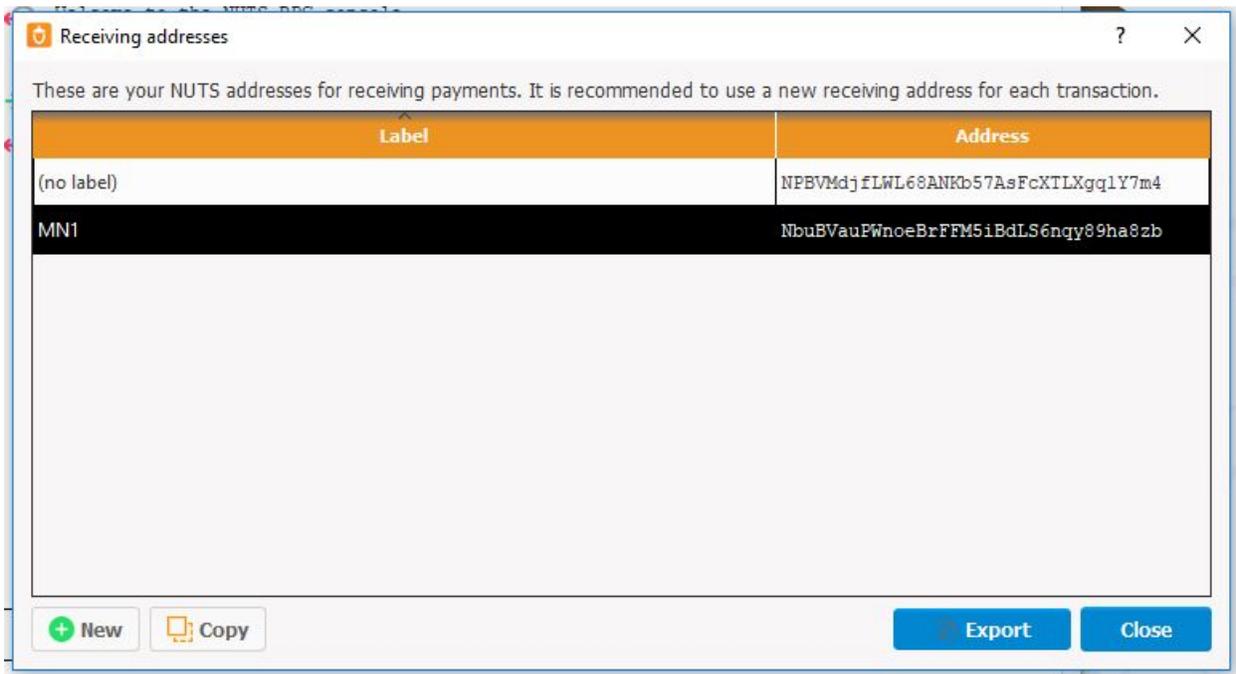
2) Download NUTS coin wallet from <https://www.nuts.social/#>



- 3) Extract files onto desktop
- 4) Open bin file
- 5) Extract and drop NUTS-qt to your desktop
- 6) Open NUTS-qt



- 8) There will be a popup that prevents you from running the app. Click on more info and click on Run Anyway
- 9) Click on Allow Access for the app to run
- 10) Wait for your wallet to be fully synced
- 11) You need 1000 coins to set up your Masternode wallet.
- 12) To make a new address, Click on file, then receiving address
- 13) Add new receiving address, name it MN1



- 14) Copy the receiving address

15) Click on Send and paste the MN1 address in the Pay to command

16) You must send 1000 coins to a new address

17) Under the transactions tab, you will be able to see the transaction you have just performed

Overview Send Receive Transactions Masternodes

Coin Control Features

Inputs... automatically selected

Custom change address Enter a NUTS address (e.g. BL4YpGWP2WY5LCSQhC3BbjToaTVIP9Waa)  Split UTXO # of outputs UTXO Size: 0 NUTS

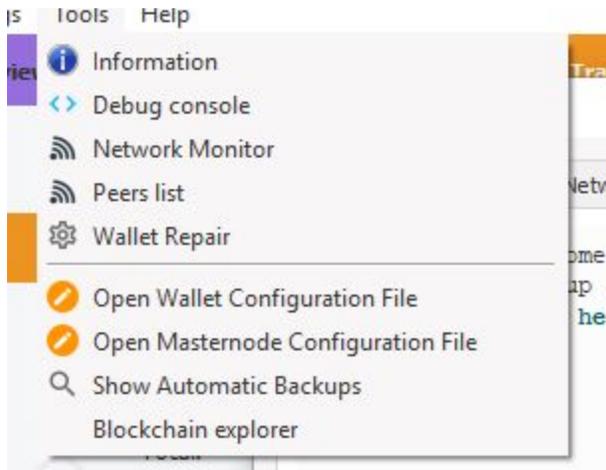
Pay To: NbuBVauFwaoeBrFFM5iBdLS6ngy9Sha8zb

Label: MN1

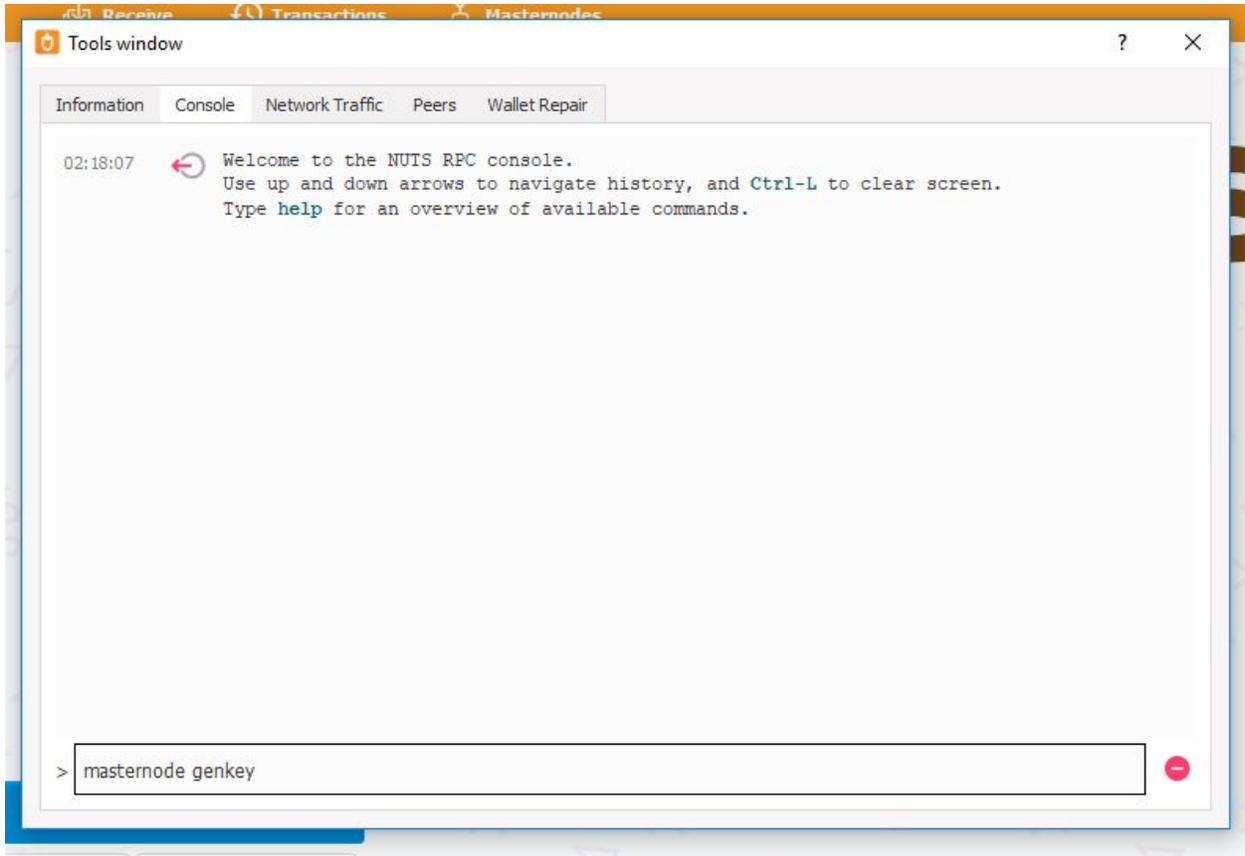
Amount: 1000.00000000 NUTS

18) Wait for 15 confirmations, approximately 15 minutes.

19) When your wallet is fully synced, click on tools, then Debug console



20) Enter the command `masternode genkey` and press enter



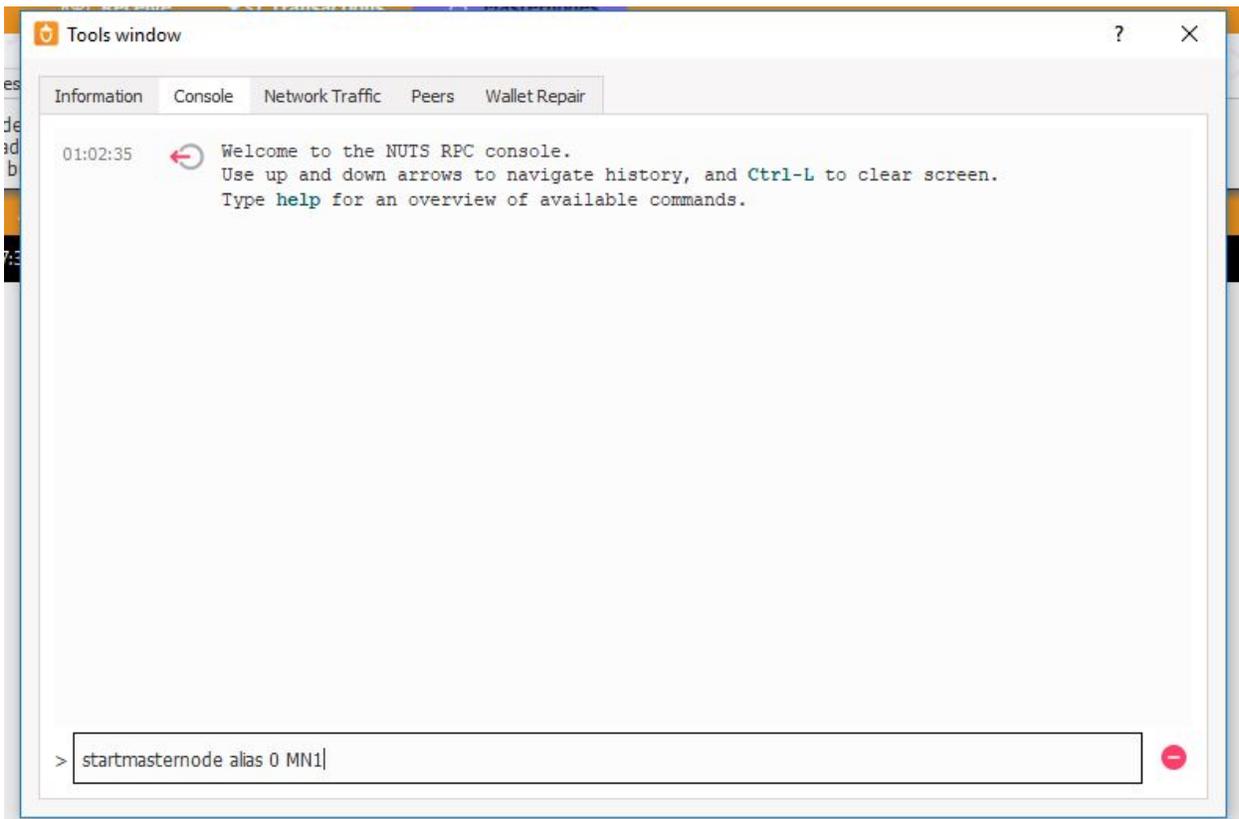
- 21) You will see a long string of numbers and letters this is your Genkey
- 22) Copy & paste your genkey onto the notepad file on your Desktop (Masternode Private Key)
- 23) This is the genkey you will need to enter into PuTTY
  
- 24) Click on tools, then Open Masternode Configuration File
- 25) Follow the format provided on your Notepad.  
Format: `alias IP:port masternodeprivatekey transactionindex`
- 26) Type `MN1 <IP Address:port> <Genkey> <transactionkey> <Output index>`
  
- 27) Once you have gotten 15 confirmations, click on tools, then debug console
- 28) Type `masternode outputs`
- 29) Copy and paste the transaction key onto the notepad

\*

```
00:59:58 → masternode outputs
00:59:58 ← [
    {
      "txhash" : "c1cfd7ca179db74777c4e069ef97e1679eabfbb2d3570343649df7655bc8c5aa",
      "outputidx" : 0
    }
  ]
>
```

\*

- 30) Copy and paste the output index onto the notepad. It is the number 0/1 at the very end of the transaction key
- 31) You can now save and close the notepad
- 32) Restart your NUTS wallet
- 33) Click on masternodes
- 34) Click on tools, then debug console
- 35) Type `<startmasternode alias 0 MN1>` and enter



The screenshot shows a 'Tools window' with a 'Console' tab selected. The console displays a welcome message: 'Welcome to the NUTS RPC console. Use up and down arrows to navigate history, and Ctrl-L to clear screen. Type help for an overview of available commands.' At the bottom, the command 'startmasternode alias 0 MN1' is entered in the input field.

```
01:02:35 ← Welcome to the NUTS RPC console.
Use up and down arrows to navigate history, and Ctrl-L to clear screen.
Type help for an overview of available commands.
> startmasternode alias 0 MN1|
```

- 36) Restart your wallet again to start your masternode

### **Backing up your wallet**

- Type %appdata% onto your Search Windows.
- Click on the NUTS file
- Copy and paste wallet.dat file into an external drive.

### **Troubleshooting your Masternode**

- If you are not able to open your NUTS wallet:
- Type %appdata% onto your Search Windows.
- Click on the NUTS file
- Click on the masternode notepad and delete all the code written.
- Save the notepad and open the wallet.
- You would have to set up your masternode again.