



Utum Masternodes Setup Linux Guide

What you need:

- 1-More than 3000 UTUM
- 2-One computer with [utum-qt](#) wallet installed.(Put more than 3000 UTUM in this wallet)
Wallets link: <https://github.com/robcrypto2/Utum/tree/master/wallets>
- 3-One VPS(**Ubuntu 16.04 x64** recommended).
- 4-A small amount of technical knowledge.

Step #1:

Setup your controller wallet - this will keep your coins safe.

Install utum-qt wallet on Windows or Linux from the official [releases](#) (link below)

<https://github.com/robcrypto2/Utum/tree/master/wallets>

- 1.1-Load your utum-qt wallet and sync.
- 1.2-Set a password for utum-qt.(Wallet will shut down)
- 1.3-Find your *wallet.dat* file:

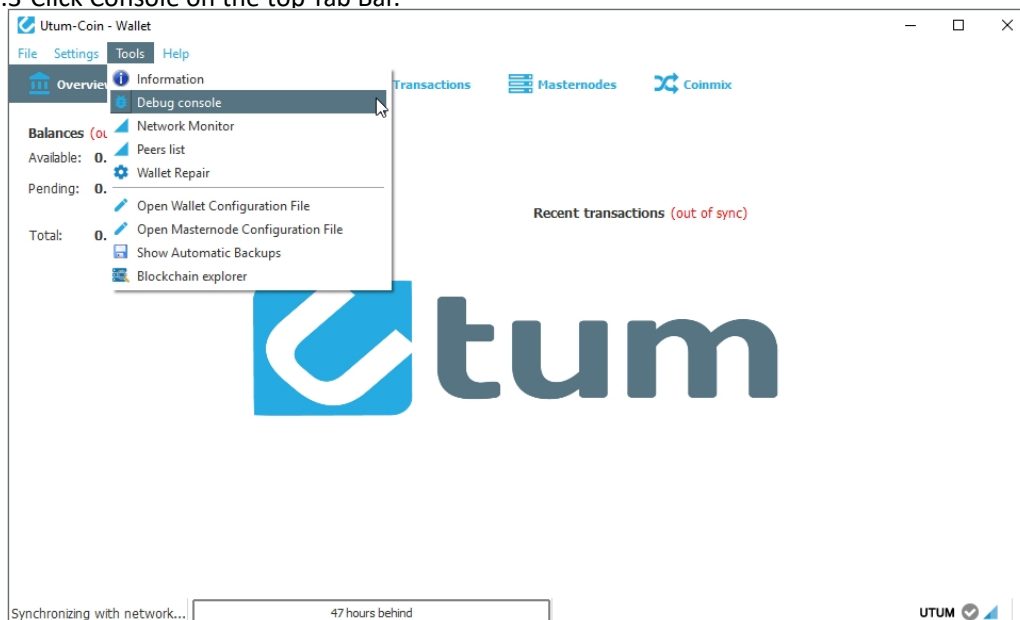
c:\Users\username\AppData\Roaming\Utum (windows)

- 1.4-Backup your private keys and *wallet.dat* file!(**Very important! Or you may lose your coin!**)
- 1.5-Load utum-qt wallet again and sync.

Step #2:

Open the Debug Console.

- 2.1-Click Tools on the top file menu.
- 2.2-Open Debug console.(pic2.2)
- 2.3-Click Console on the top Tab Bar.



Pic2.2

Step #3:

Get your masternode key & Get a masternode address

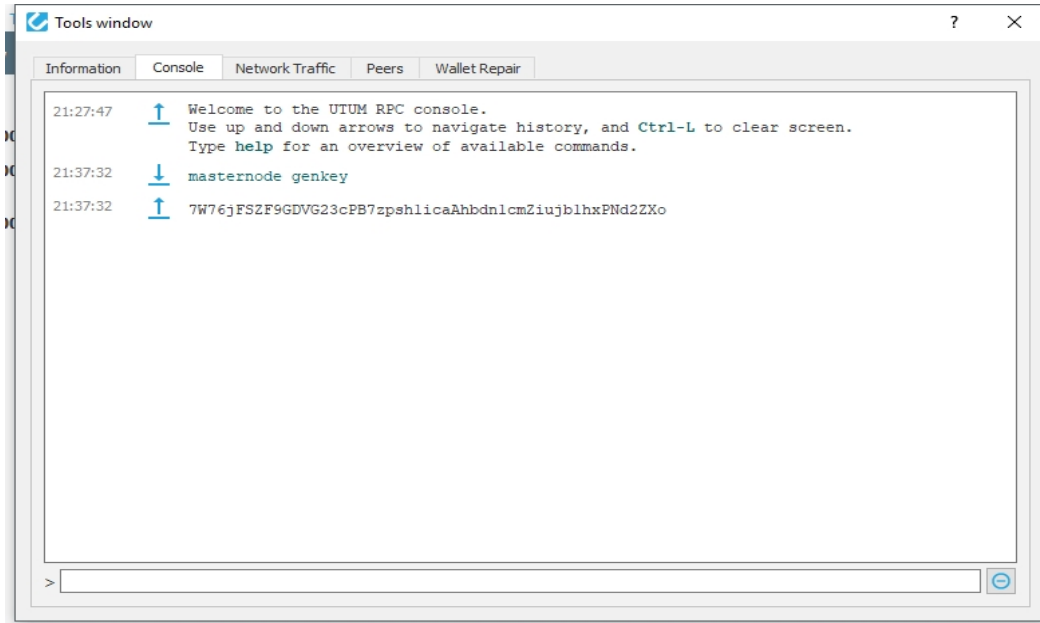
3.1-In the debug console command box (bottom of screen) enter the following(ENTER):

```
masternode genkey
```

3.2-You should see something very similar to this. It's your **MN_GENKEY**(save into a text file in Notepad or Gedit/Nano/etc,pic3.2):

```
<-masternode genkey
```

```
->7W76jFSZF9GDVG23cPB7zpsh1icaAhbdn1cmZiujb1hxPNd2ZXo
```



Pic3.2

3.3-Enter the following to create a masternode address(ENTER):

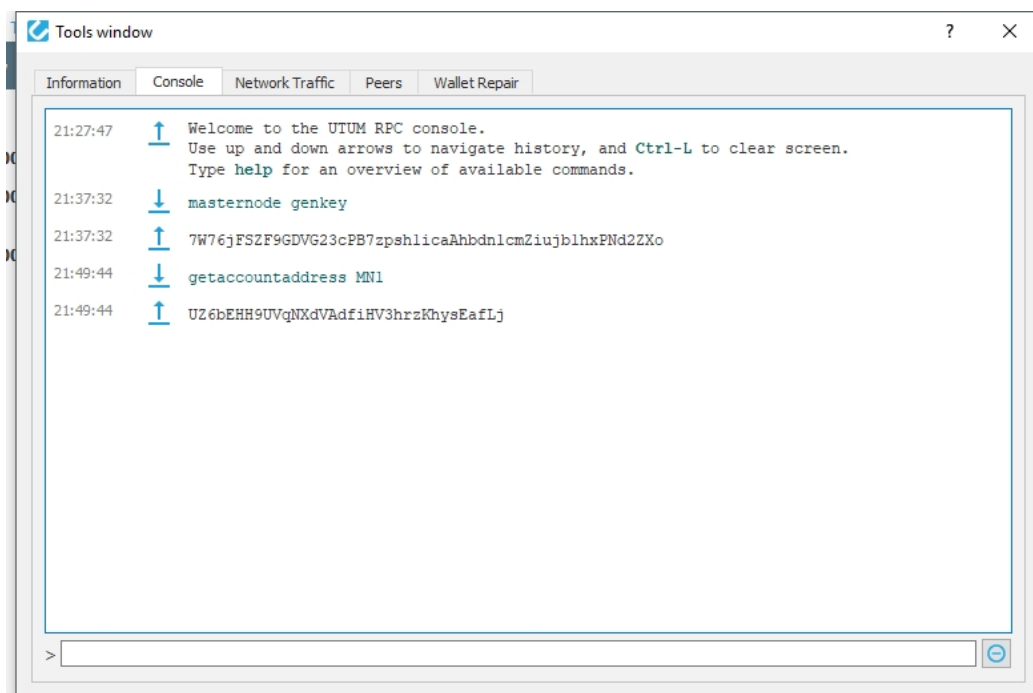
```
getaccountaddress MN1
```

(You can replace MN1 with your **MASTERNODE_ALIAS_NAME**.)

3.4-You should see something very similar to this (save into a text file in Notepad or Gedit/Nano/etc,pic3.4):

```
<-getaccountaddress MN1
```

```
->UZ6bEHH9UVqNXdVAdfiHV3hrzKhysEafLj
```



Pic3.4

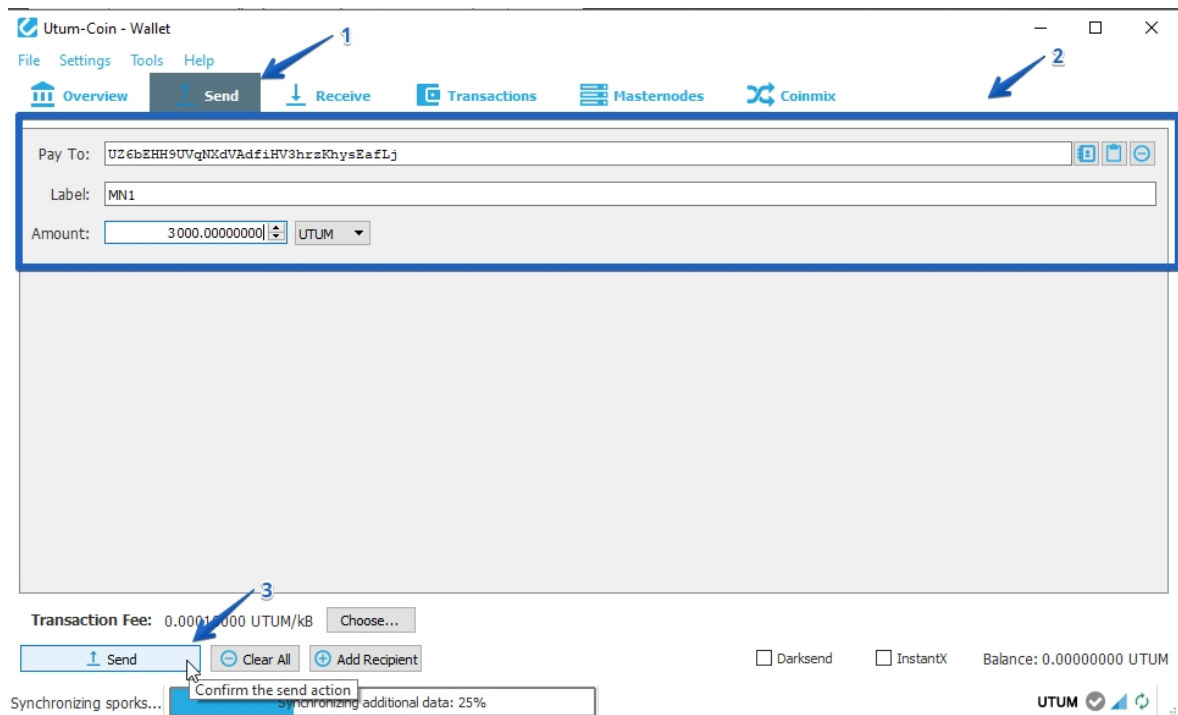
Step #4:

Send 3000 UTUM to masternode address & Get Outputs.

4.1-Click Send Tab.

4.2-Send 3000 UTUM to the address[**MASTERNODE_ALIAS_NAME**] from [step3.4](pic4.2)

4.3-Wait for confirmations.



Pic4.2

4.4-Open Debug console.

4.5-Enter the following to get outputs(ENTER):

```
masternode outputs
```

4.6-You should see something very similar to this (save into a text file in Notepad or Gedit/Nano/etc):

```
<-masternode outputs
```

```
->{  
    "2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c": "0"  
}
```

They are your TX_ID and TX_INDEX, {"TX_ID": "TX_INDEX"}

Step #5:

Edit *masternode.conf* file.

5.1-Find your *masternode.conf* file:

c:\Users\username\AppData\Roaming\Utum (windows)

5.2-Open *masternode.conf* with Notepad, You should see something very similar to this:

```
# Masternode config file  
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index  
# Example: mn1 127.0.0.2:17121 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg  
2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0
```

5.3-Format your masternode information:

```
MASTERNODE_ALIAS_NAME VPS_IP:17121 MN_GENKEY TX_ID TX_INDEX
```

You can get your **VPS_IP** from Step#6(Your VPS hosting will provide this information)

5.4-Paste masternode information[step5.3] into *masternode.conf* on new line.

5.5-Save and close *masternode.conf*.

Step #6:

Open up an SSH client (Putty) then Register & Log in to your VPS as root. Ubuntu(16.04) VPS is recommended.

Step #7:

7.1 - Autoinstall Utum:

```
wget https://raw.githubusercontent.com/robcrypto2/Utum/master/masternode.sh
chmod 755 masternode.sh
./masternode.sh
```

7.2 - Autosetup script will ask for **MN_GENKEY**

Step #8:

Start Masternode!

8.1 - Restart local wallet and Open the Masternode tab.

8.2 - You can start your MN from the main wallet's MasterNode tag, This will be easier.

8.4 - You can use the following commands on the VPS to see the status of Masternode:

```
utum-cli masternode status
```

8.5 - Keep your VPS and UTUM services running.