



## GIANT MASTERNODE

GUI wallet under Linux OS

Single masternode on Linux VPS (Ubuntu 16.04 x64)

### To do:

1. Install Giant wallet
2. Deploy VPS
3. Setup Masternode on VPS
4. Activate Masternode

## 1. Install Giant wallet

Download the last version of Linux wallet by following this link

<https://github.com/GiantPay/GiantCore/releases>

Unpack the downloaded ZIP file into a folder convenient for you. For example, create folder `~/giant`.

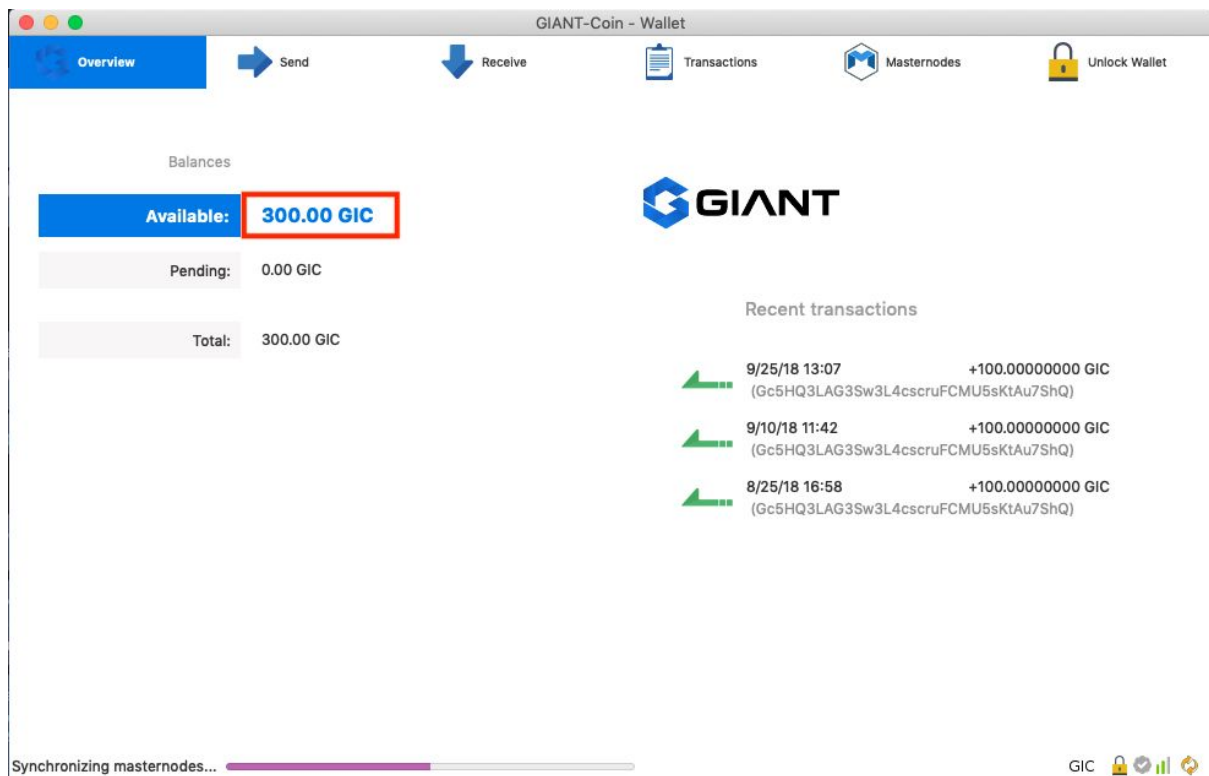
To launch the GUI wallet, execute the command in the terminal

```
$ cd giant && ./giant-qt
```

The first time you start, you will be prompted to select the storage location for the blockchain. By default this is `~/giant`.

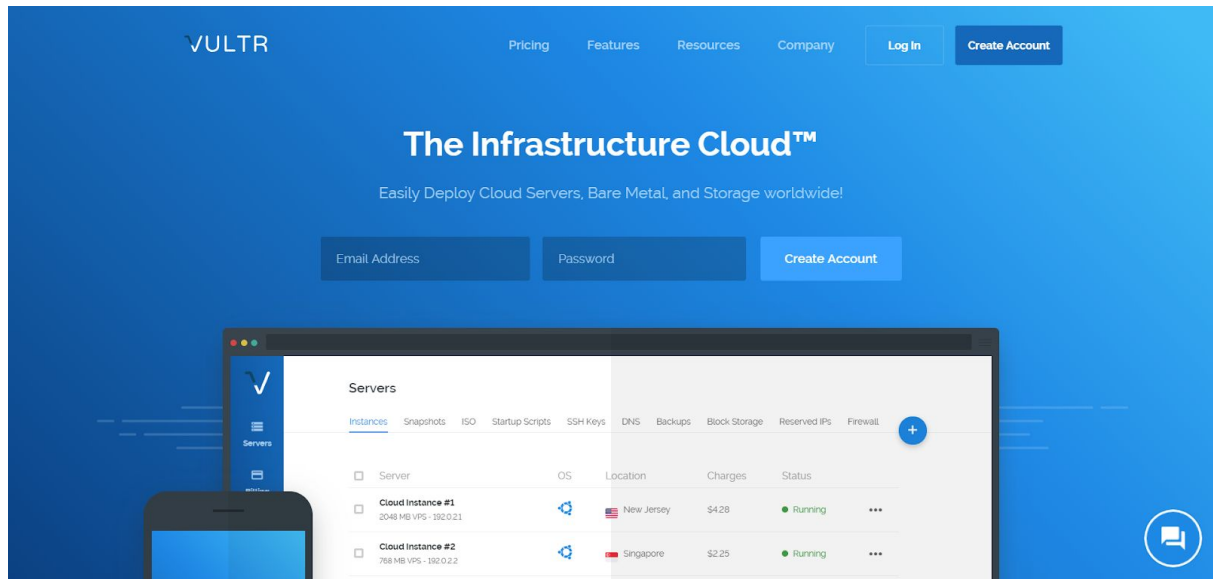
The first launch of the wallet may take some time due to the initial synchronization with the network.

To create a masternode you must have **1001 GIC** (**1000 GIC** for collateral price + **1 GIC** to cover the transaction fees).



## 2. Deploy VPS

We recommend the VPS for <https://www.digitalocean.com/> or <https://www.vultr.com/>.  
For example, let's take vultr.com.



Register on <https://www.vultr.com/> and add some funds - at least \$10 or more.

Press "Servers", then press "+".

**Server Location:** USA or any other

**Server Type:** Ubuntu 16.04 x64

**Server Size:** 20 GB SSD \$2.50/mo \$0.004/h (will be more than enough)

Enable IPv6. Auto Backups and Private networking are not needed

Enabling the DDoS Protection is optional. Should a DDoS attack occur, your server will continue work while others are down, which means more profit due to other masternodes downtime

Startup Script: don't touch

SSH Keys: don't touch

Server hostname & label: give a name to your server (e.g. GIANTMN1)

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 6.3 x64 **Ubuntu 16.04 x64** Windows Select Version

3 Server Size

20 GB SSD \$2.50/mo \$0.004/h 1 CPU 512MB Memory 500GB Bandwidth

25 GB SSD \$5/mo \$0.007/h 1 CPU 1024MB Memory 1000GB Bandwidth

40 GB SSD \$10/mo \$0.015/h 1 CPU 2048MB Memory 2000GB Bandwidth

60 GB SSD \$20/mo \$0.03/h 2 CPU 4096MB Memory 3000GB Bandwidth

Servers Qty: 1 Summary: \$2.50/mo (\$0.004/hr)

Deploy Now

Press "Deploy Now".

Once the install is done you'll get a confirmation email. It'll take up to 5 mins.

Servers Sort by: Location

Instances Snapshots ISO Startup Scripts SSH Keys DNS Backups Block Storage Reserved IPs Firewall Networks

Server added successfully!

Read How-To Articles and FAQs on [Vultro Docs](#)

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Server	OS	Location	Charges	Status
<input type="checkbox"/> Cloud Instance 512 MB Server - 149.28.53.157	Ubuntu	New Jersey	---	Running

Restart Stop

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Deploy Plesk Onyx With One Click

You'll see your IP address and credentials

Server Information 149.28.53.157 New Jersey Ubuntu 16.04 x64

Overview Usage Graphs Settings Snapshots Backups DDOS

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.

Bandwidth Usage: 0GB/500GB CPU Usage: 0% Current Charges: \$0.01

Location: New Jersey CPU: 1 vCore Label: [Click here to set]  
IP Address: 149.28.13.153 RAM: 512 MB Tag: [Click here to set]  
Username: root Storage: 20 GB SSD OS: Ubuntu 16.04 x64  
Password: ..... Bandwidth: 0 GB of 500 GB

### 3. Setup Masternode on VPS

To setup the masternode, you need to log in to the server using SSH (copy IP, username and password from vultr server screen in the browser). Execute in the local shell:

```
$ ssh root@149.28.13.153 (your vultr IP)
```

and enter the user password:

```
denis@denis-Lenovo:~$ ssh root@149.28.13.153  
root@149.28.13.153's password: █
```

After this is done, install the script according to the following instructions:

```
$ sudo apt install git  
$ git clone https://github.com/GiantPay/GiantMasternodeSetup.git && cd  
GiantMasternodeSetup  
$ chmod +x GiantMasternodeSetup.sh  
$ ./GiantMasternodeSetup.sh
```

After running the script, you will receive a masternode private key:

Masternode private key: 8f93KrngYkMQs4cZMjBJSbn8QuSudx6yUtbxqU7cmqtj6GMF9NC

```
Masternode private key: 8f93KrngYkMQs4cZMjBJSbn8QuSudx6yUtbxqU7cmqtj6GMF9NC  
Welcome to the GIANT Masternode Network!  
root@190923-vds-outsourcing-mailer:~/GiantMasternodeSetup# cd
```

You will also need the IP data and the connection port of your masternode.

```
$ cat ~/.giant/giant.conf | grep externalip
```

```
root@190923-vds-outsourcing-mailer:~/giant# cat giant.conf  
rpcuser=giantuser  
rpcpassword=rah7mohchahZ5uPoo4Uo  
server=1  
listen=1  
maxconnections=256  
daemon=1  
rpcallowip=127.0.0.1  
externalip=149.28.13.153:40444  
masternode=1  
masternodeprivkey= 8f93KrngYkMQs4cZMjBJSbn8QuSudx6yUtbxqU7cmqtj6GMF9NC
```

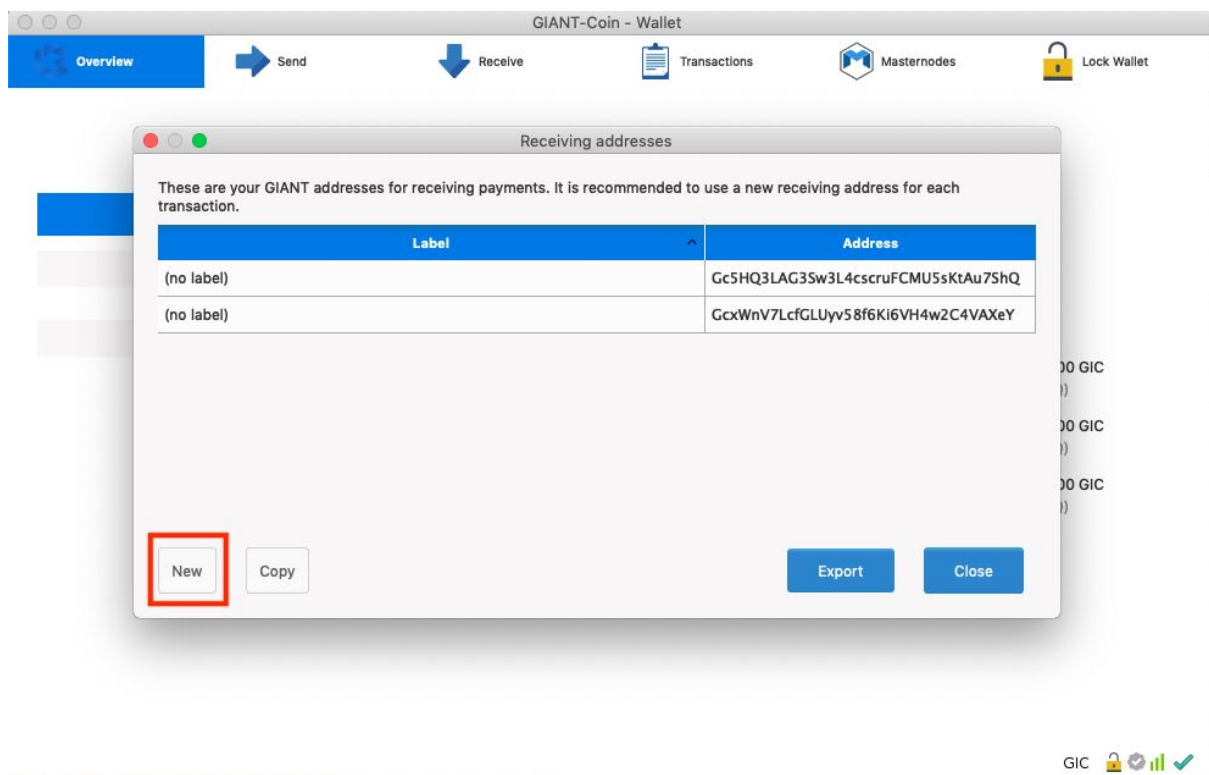
Make sure your masternode is syncing with the Giant network:

\$ ~/giant/giant-cli mnsync status

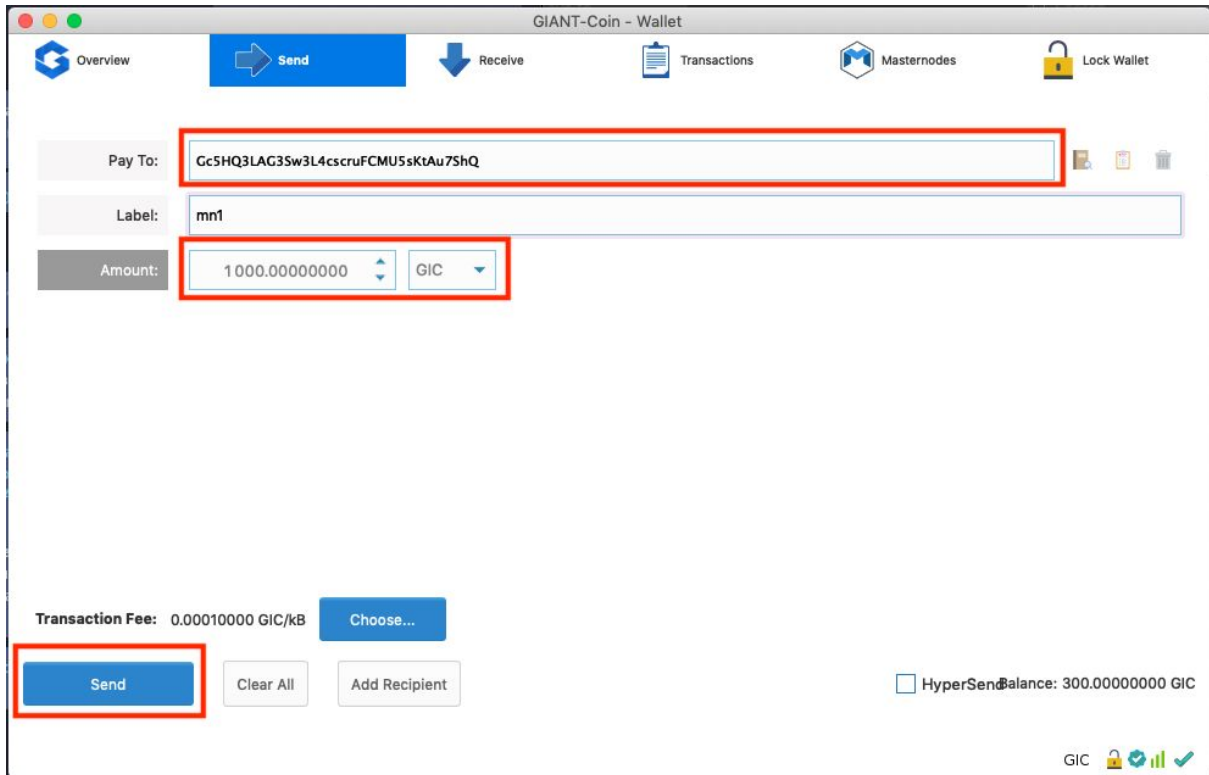
“IsBlockchainSynced” attribute must be equal “true”.

## 4. Activate Masternode

Get your GIC masternode address. This is the address to which you should send exactly **1000 GIC**. In the GUI wallet, press “File” => “Receiving addresses” and press “New”.

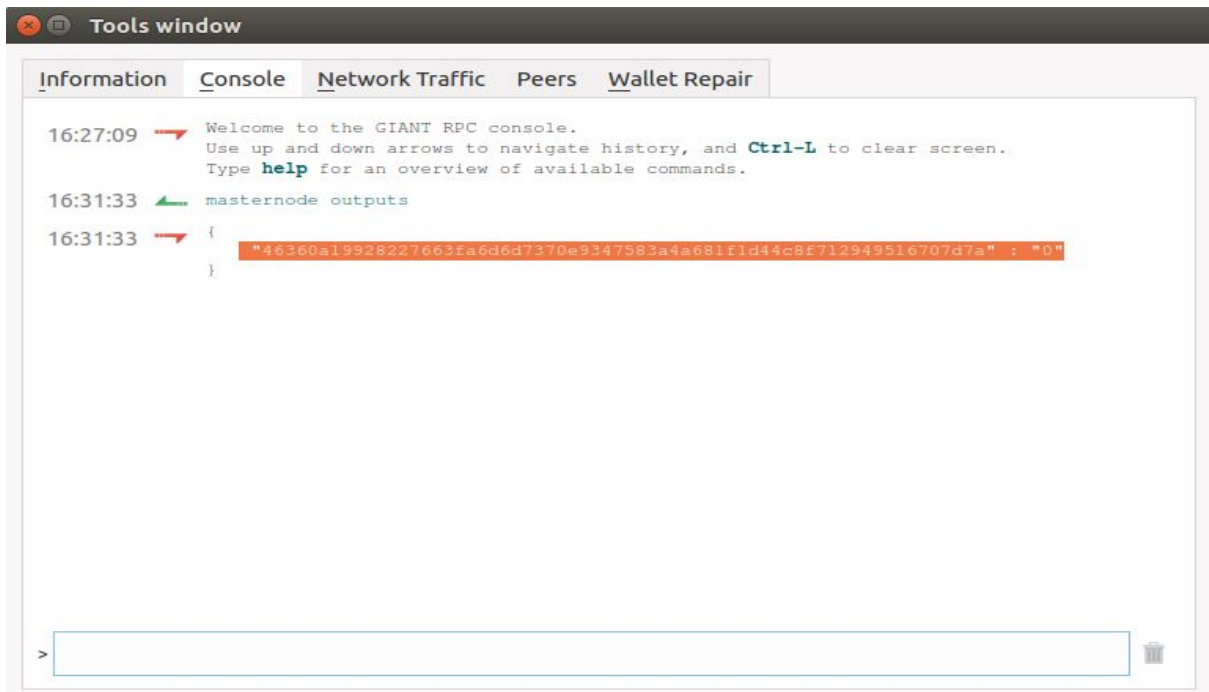


Send 1000 GIC to the generated address and wait 10 confirmations (20 mins approximately).



Get `masternode collateral_output_txid` and `collateral_output_index`.  
Go to "Tools" => "Debug Console" and enter:

`masternode outputs`



Edit the *masternode.conf* file located on your local computer.

```
denis@denis-Lenovo:~$ cd .giant/  
denis@denis-Lenovo:~/giant$ nano masternode.conf
```

In the bottom of the text, you should paste your data (divided by spaces):

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

**alias** - anything you want

**IP:port** – Your VPS IP address and port 40444 (port is fixed for all)

**masternodeprivkey** – you got it from the previous step

**collateral\_output\_txid** – first part of masternode outputs

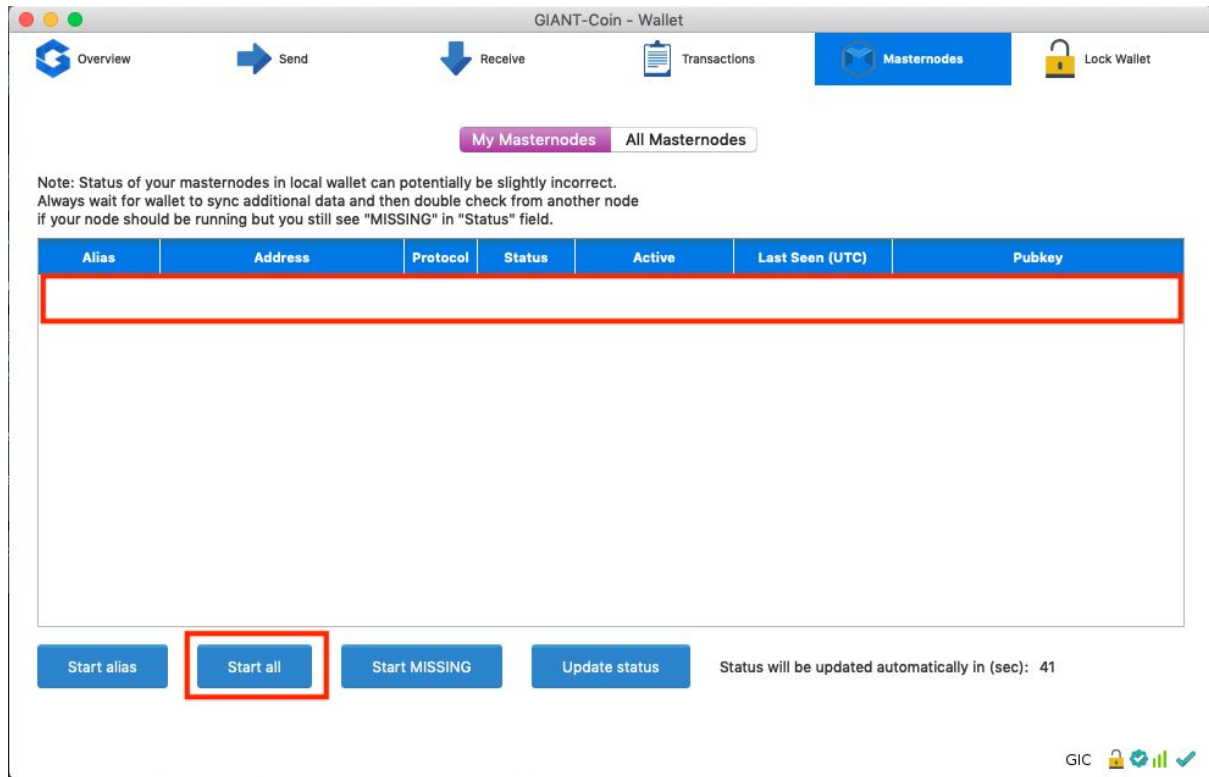
**collateral\_output\_index** – second part of masternode outputs (usually 1 or 0)

```
# Masternode config file  
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index  
# Example: mn1 127.0.0.2:55500 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqqX37tGBDQL8Xg 2bcd3c84c84  
mn1 149.28.13.153:40444 8f93KrngYkMQs4cZMjBJSbn8QuSudx6yUtbxqU7cmqtj6GMF9NC 46360a19528227663f
```

Save changes in the *masternode.conf* file and exit by pressing CTRL+O -> ENTER -> CTRL+X

Close and start your Giant GUI wallet again. In the masternode tab, press the Start Missing or Start All button.





Your status will become "PRE\_ENABLED" and after 20-30 min it will be changed to "ENABLED". Sometimes you should wait for 1-2 hours for your masternode to sync with another nodes and become ready for starting, if it doesn't start immediately don't worry, just try a little bit later.

Relaunch your node if your masternode status is "NEW\_START\_REQUIRED"

**CONGRATULATIONS! YOU DID IT!**

**GOOD LUCK!**