Beetle Coin Masternodes Guide

Beetles, Indomitable Creatures.

What you need:

1-More than 50,000 BEET.

2-One computer with Beetle-qt wallet installed.(Put more than 50,000 BEET in this wallet)

3-One VPS.

4-A small amount of technical knowledge.

Step #1:

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

Install Beetle-qt wallet on Windows or Linux from the official releases.

1.1-Load your Beetle-qt wallet and sync.

1.2-Shut-down Beetle-qt.

1.3-Find your *Beetle.conf* file:

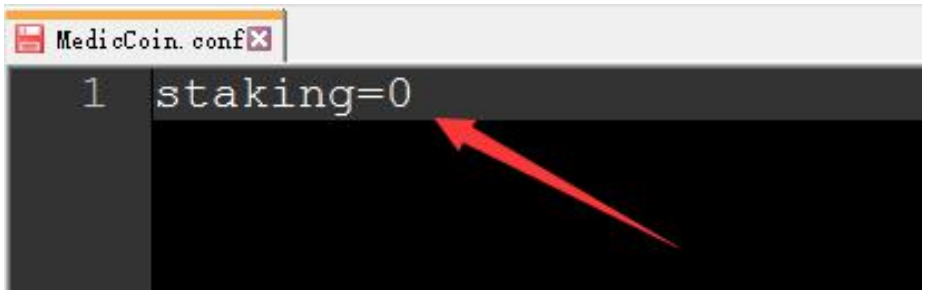
c:\Users\username\AppData\Roaming\Beetle(windows)

1.4-Edit Beetle.conf with notepad or gedit/nano

Add the following line(pic1.1):

staking=0

Save and exit.(This will help you turn off POS)



Pic1.1

1.5-LoadBeetle-qt wallet again and sync.

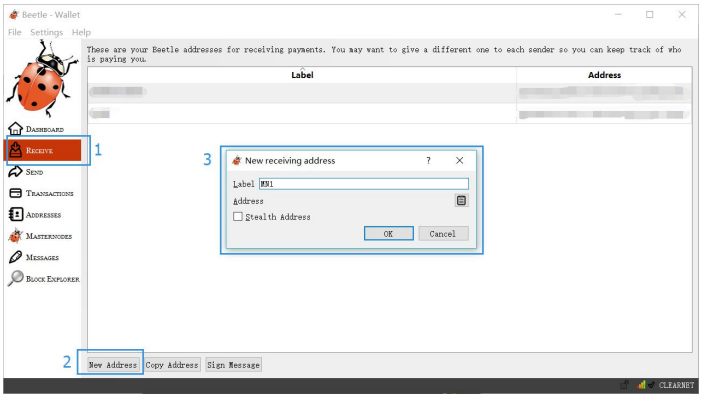
Backup your private keys and *wallet.dat* file!(Very important! Or you may lose your coin!)

Step #2:

Create your Masternode Collateral.

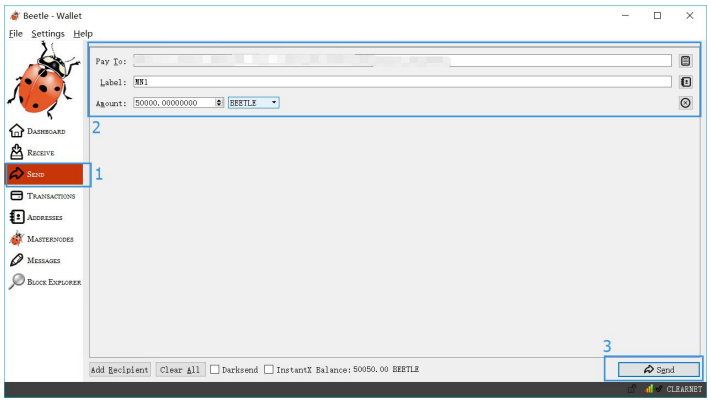
2.1-Click "Receive" and generate a new address with the label "MN1".(pic2.1)

(You can enter your favorite name in Label)

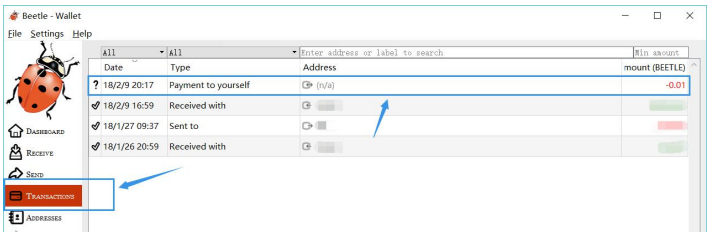


Pic2.1

2.2-Send exactly 50,000 BEET to this address(pic2.2) and wait for confirmations.(pic2.3)



Pic2.2

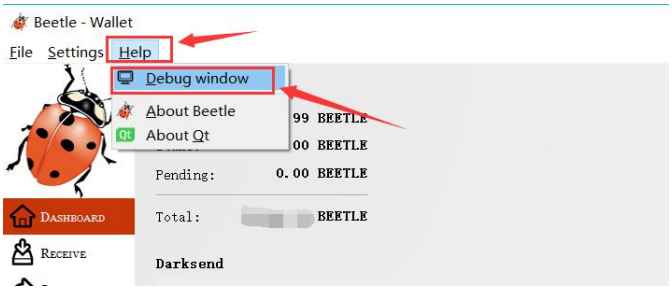


Pic2.3

Step #3:

Open the Debug Console.

3.1-Click Help on the top file menu, Open Debug window.
3.2-Click Console on the top Tab Bar.(pic3.1)



Pic3.1

Step #4:

Generate your Private Key & and Outputs

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

masternode genkey
masternode outputs

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

<-***masternode genkey***
->692ZbhexVpq3sysK9jYvhaCKtRpHbykDVuuVuGAkMyUHawWhMGq
<-***masternode outputs***
->{
"2c8c27cf7c405f16d7afb237885f095e5d7aad1f420de976279490fd826af62c" : "0",
}

4.3-Close your debug window.

Step #5:

5.1.A and 5.1.B, You just choose one of them.

Configure your controller wallet (*masternode.conf* - recommended)

5.1.A-Open *masternode.conf* in Notepad or Gedit/Nano
Add the following information:

alias your_VPS_server_IP:45823 PRIVATEKEY TXT_HASH TXT_INDEX

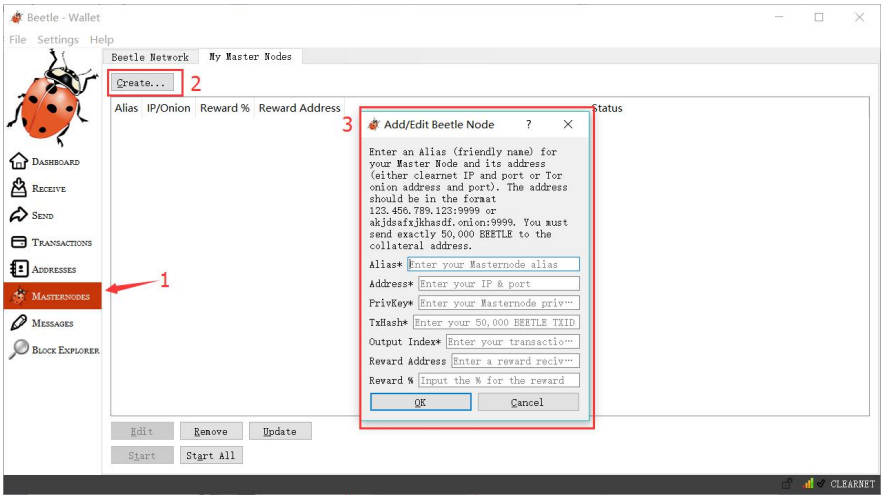
An example:

MN1 73.109.181.227:45823 692ZbhexVpq3sysK9jYvhaCKtRpHbykDVuuVuGAkMyUHawWhMGq 2c8c27cf7c405f16d7afb237885f095e5d7aad1f420de976279490fd826af62c 0

Or Configure your controller wallet (GUI):

5.1.B.1-On the Menu bar click "Masternodes".
Click the Tab "My Masternodes".
Click the "Create" button.(pic5.1.B.1)

Alias: MN1
Address: your_VPS_server_IP:45823
PrivKey: 692ZbhexVpq3sysK9jYvhaCKtRpHbykDVuuVuGAkMyUHawWhMGq
TxHash: 2c8c27cf7c405f16d7afb237885f095e5d7aad1f420de976279490fd826af62c
Output: 0



Pic5.1.B.1

5.1.B.2-Click "OK" now open up an SSH client Putty.

Step #6:

Register & Log in to your VPS as root. Ubuntu or Linux VPS is recommended.(For example:Vultr)
(You can use $5/mo VPS with 1CPU/1G Memory/25GB SSD/1000GB Bandwidth.)

Step #7:

7.1-Install the required wallet dependencies:

```
sudo apt-get update
sudo apt-get upgrade
sudo apt-get install build-essential
sudo apt-get install libssl-dev
sudo apt-get install libboost-all-dev
sudo apt-get install libqrencode-dev
sudo apt-get install libgmp3-dev
sudo apt-get install miniupnpc
sudo apt-get install libminiupnpc-dev
sudo apt-get install libcurl4-openssl-dev
sudo apt-get install dh-autoreconf
sudo apt-get install autoconf
sudo apt-get install automake
sudo apt-get install git nano
sudo apt-get install pkg-config
sudo apt-get install libtool
sudo apt-get install libgmp-dev
sudo apt-get install libevent-dev
```

There are some Y / N in this process, please enter Y. It will take some time, please be patient.

7.2A-Download and manually compile Berkley DB 4.8 (Automatically)

```
sudo apt-add-repository ppa:bitcoin/bitcoin
sudo apt-get update
sudo apt-get install libdb4.8-dev
sudo apt-get install libdb4.8++-dev
```

7.2B-Download and manually compile Berkley DB 4.8 (If above fails)

```
cd ~
mkdir bitcoin/db4/
wget 'http://download.oracle.com/berkeley-db/db-4.8.30.NC.tar.gz'
tar -xzvf db-4.8.30.NC.tar.gz
cd db-4.8.30.NC/build_unix/
../dist/configure --enable-cxx --disable-shared --with-pic
--prefix=/home/theusername/bitcoin/db4/
make install
```

7.2C-Download and manually compile Berkley DB-Curent (Auto-Optional)

```
sudo apt-get install libdb++-dev
sudo apt-get install libdb-dev
```

It will take some time, please be patient.

Step #8:

Create Swap Space(Important, otherwise you may fail to compile):

```
fallocate -l 3G /swapfile
chmod 600 /swapfile
mkswap /swapfile
swapon /swapfile
echo -e "/swapfile none swap sw 0 0 \n" >> /etc/fstab
```

Step #9:

Build & compile the slave wallet binary:

```
git clone https://github.com/beetledev/BeetleCoin.git
cd BeetleCoin/src
make -f makefile.unix
sudo cp beetled /usr/bin
cd ..
```

It will take some time, please be patient.

Step #10:

10.1-Create your configuration File:

```
mkdir /root/.Beetle
nano /root/.Beetle/Beetle.conf
```

10.2-Copy and paste the following:

```
rpcuser=beetle_edit_me
rpcpassword=pass_edit_me
listen=1
server=1
daemon=1
masternode=1
maxconnections=64
port=45823
externalip=server_ip:45823
masternodeaddr=server_ip:45823
masternodeprivkey=replace_me
```

Modify the above information:
Change **beetle_edit_me** to a username or leave default
Change **pass_edit_me** to a secure password (random is recommended)
Replace **server_ip** with your VPS address
Replace **replace_me** with your private key from **Step #4**

10.3-Save and exit (CTRL + X).

Step #11:

Load VPS wallet (in Putty):

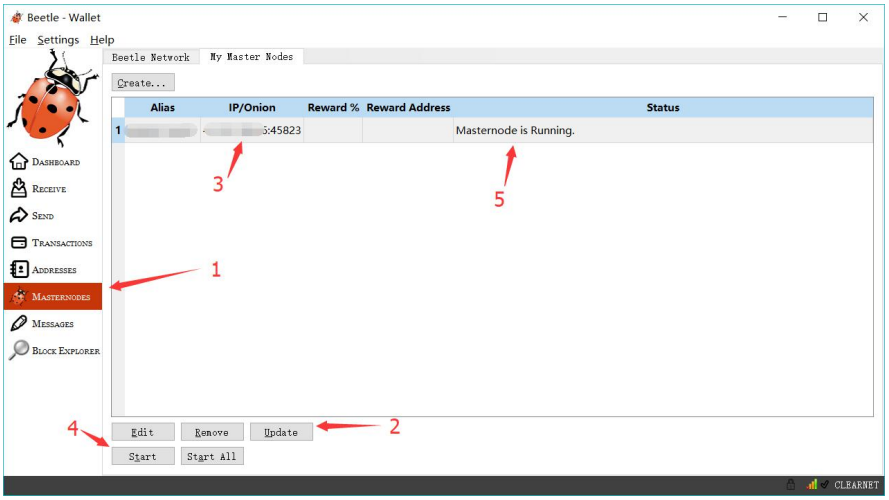
```
cd /usr/bin
./beetled
```

(When you run ***Beetled***, the ***Beetle server starting*** appears. Press {ENTER} again and Server will start.)

Step #12:

Start your masternode(pic12):

In your controller wallet (GUI) click "Masternodes"
Click the "My Masternodes" tab
Click "Update"
If you see your masternode slave-wallet VPS IP - excellent!
Then click "Start"
Once again "Update"
You should see "Masternode is running..."
Over a short-period of time it will show up in the Beetle network tab



Pic12

Step #13:

Close Putty:

beetled should remain running, if not you will need to log back in and install screen, tmux, or sentinel

If this tutorial helped you, can you give me some reward? Thank you very much!

BTC:14ryobRQka89HufypKMjVSQSYrTnVcvvnQ

BEET:BebWN2guhw9Ttv7AZA4xYTRe3oq2L7jNKa

Thank you for reading!--Mr_Darkfly