BTCa Masternode Setup Guide (Ubuntu 16.04 or 18.04)

This guide will assist you in setting up a BTCa Masternode on a Linux Server running Ubuntu.

Requirements

1. **1 000 BTCa coins (buy on [Quan2um](#))**
2. **VPS running Linux Ubuntu**
3. **Windows or MAC OS X local wallet**
4. **SSH client**

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Section A - Creating the VPS

It is necessary to create a VPS. To do this, you need to register and pay for the service with any provider of virtual servers. When creating, you must use the template Ubuntu 16.04 x64 or Ubuntu 18.04. To begin with, 1vcpu, 1 GB RAM, 20 GB HDD is enough.

Section B - Connecting to the VPS and Getting the Ubuntu Server ready

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Connect to the VPS using the ssh client using the IP address and password received from the virtual server provider.

Step 1 (Updating)

- Paste the code below into the ssh terminal then press enter

sudo apt-get update

Step 2 (Install all required libraries)

Step 2.1 Paste the code below into the ssh terminal then press enter:

sudo apt-get install git automake build-essential libtool autotools-dev autoconf pkg-config libssl-dev libboost-all-dev software-properties-common

When prompted do you want to continue? [Y/n]

Enter Y and press enter

Step 2.2 Paste the code below into the ssh terminal then press enter:

sudo add-apt-repository ppa:bitcoin/bitcoin

Press enter to continue

Step 2.3 Paste the code below into the ssh terminal then press enter:

sudo apt-get update

Step 2.4 Paste the code below into the ssh terminal then press enter:

sudo apt-get install libdb4.8-dev libdb4.8++-dev libminiupnpc-dev

When prompted do you want to continue? [Y/n]

Enter Y and press enter

Step 3 (download daemon on VPS)

Step 3.1 Paste the code below into the ssh terminal then press enter:

wget https://github.com/bitcoinadditional/btca/releases/download/v1.0/btca-1.0.0-x86_64-linux-gnu.tar.gz

Step 3.2 Paste the code below into the ssh terminal then press enter:

tar -xvf btca-1.0.0-x86_64-linux-gnu.tar.gz
cd btca-1.0.0/bin
chmod -f 777 btcad
chmod -f 777 btca-cli
chmod -f 777 btca-tx

chmod -f 777 btca-qt
./btcad -daemon

Once you've run the Daemon for the first time it has created the folder structure where the blockchain and all config files are going to be.

Step 3.3 Paste the code below into the Bitvise terminal then press enter:

./btca-cli stop

Section C - Preparing the local wallet

In your Wallet-App go to: *Tools -> Debug console*

follow these steps:

Step 1 Paste the code below into the Debug console then press enter:

getnewaddress MN

answer: *B4gJJsarKW6q7Bu7hcqUcb3aBVUfmNw3gU*

Step 2 Paste the code below into the Debug console then press enter:

sendtoaddress B4gJJsarKW6q7Bu7hcqUcb3aBVUfmNw3gU 1000

answer: *988517e2a3442be8c2e0aed397cae1c7bd8eaa8d62bc80af41a4a98994daf057*

Step 3 Paste the code below into the Debug console then press enter:

masternode genkey

answer: *8ZL6YT4YdskEF7DMmxEc9v2FeJyB2vXde42BPUD2rpJSQxNdbPT*

Step 4 Paste the code below into the Debug console then press enter:

masternode outputs

answer: *"txhash" : "96854732a3442be8c2e0aed397cae1c7bd8e5a8d62bc80afd1ada9a994d3f057", "outputidx" : 0*

Section D - Editing the configs

Step 1 Editing the configs via ssh terminal

Paste the code below into the ssh terminal then press enter:

apt-get install nano

Nano is a great console-based text-editor

Let's open the btca.conf located in the .btca folder

This folder was created by the daemon on the first run!

Paste the code below into the Bitvise terminal then press enter:

nano /root/.btca/btca.conf

This is configuration for masternode setup:

rpcuser={CHOOSE A RANDOM USER}
rpcpassword={CHOOSE A RANDOM PASSWORD}
rpcallowip=127.0.0.1
port=21210
rpcport=21220
listen=1
server=1
daemon=1
maxconnections=256
masternode=1
externalip={YOUR SERVER IP:21210}
masternodeprivkey={YOURPRIVKEY - WE WILL GET THAT LATER}
logtimestamps=1
masternodeaddr={YOUR SERVER IP}

which should result in something like that:

Save the config (Ctrl+X --> Y --> Enter)

`Ctrl+x`

`Y`

`Enter`

Step 2 Editing the configs in your Wallet-App

Go to the tools tab within the wallet and click open "masternode configuration file"

- Fill in the form
- For **Alias** type something like "MN" don't use spaces
- The **Address** is the IP and port of your server (this will be in the putty terminal that you still have open)
- The **PrivKey** is your masternode private key (This is also in the putty terminal that you have open)
- The **TxHash** is the transaction ID/long key that you copied to the text file

- The **Output Index** is the 0 or 1 that you copied to your text file

Click "File Save"

Section E - Starting the masternode

Step 1 Starting the daemon on the Ubuntu server:

cd btca-1.0.0/bin
./btcad

The daemon should start minimized.
 You'll only see a message like this:

btca server starting

wait for the full sync before continuing:

./btca-cli mnsync status

You should see: *"RequestedMasternodeAssets" : 999*, (this means full sync)

Step 2 Move on your Wallet-App

Wait for the transaction to have at least 16 confirmations before continuing.

- Close out of the wallet and reopen Wallet
- Go to the Masternodes
- select MN
- click Start alias
- click Yes
- click OK

Step 3 Check the status of your masternode within the VPS by using the command below:

./btca-cli masternode status

You should see: *"Masternode successfully started"*

If you do, congratulations! You have now setup a masternode.
If you do not, please contact me or any other support