

# BTCONE Masternode Setup Guide

## Introduction

This guide is for a single masternode, on a Ubuntu 18.04 64-bit server (VPS) running headless and will be controlled from the wallet on your local computer (Control wallet). The wallet on the the VPS will be referred to as the Remote wallet.

You will need your server details for progressing through this guide including the public IP address.

First the basic requirements:

1. 10,000 BTCONE
2. A main computer (your everyday computer) – This will run the control wallet, hold your collateral 10,000 BTCONE and can be turned on and off without affecting the masternode.
3. Masternode Server (VPS – The computer that will be on 24/7).
4. A unique IP address for your VPS / Remote wallet.

For security reasons, you're are going to need a different IP for each masternode you plan to host.

## Configuration

Note: The auto zBTCONE minter should be disabled during this setup to prevent autominting of your masternode collateral. BEFORE unlocking your wallet, you can disable auto-minting in the control wallet option menu.

Step 1: Using the control wallet, enter the debug console (Tools > Debug console) and type the following command:

```
masternode genkey (This will be the masternode's privkey. We'll use this later...)
```

Step 2: Using the control wallet still, enter the following command:

```
getaccountaddress chooseAnyNameForYourMasternode
```

Step 3: Still in the control wallet, send 10,000 BTCONE to the address you generated in step 2. (Be 100% sure that you entered the address correctly. You can verify this when you paste the address into the "Pay To:" field, the label will auto populate with the name you chose", also make sure this is exactly 10,000 BTCONE; No less, no more.)

**\*\*Be absolutely 100% sure that send to address is copied correctly and then check it again. We cannot help you, if you send 10,000 BTCONE to an incorrect address.**

Step 4: Still in the control wallet, enter the command into the console:

```
masternode outputs
```

(This gets the proof of transaction of sending 10,000 BTCONE)

Step 5: Still on the main computer, go into the BTCONE data directory:

Windows	%Appdata%/BTCONE/
macOS	~/Library/Application\ Support/BTCONE/
Linux	~/ .bitcoinone/

Find masternode.conf and add the following line to it:

```
<Name of Masternode(Use the name you entered earlier for simplicity)>  
<Unique VPS Public IP address>:41472 <The result of Step 1> <Result of Step  
4> <The number after the long line in Step 4>
```

```
Example: MN1 31.14.135.27:41472  
892WPpkqbr7sr6Si4fdsfssjjapuFzAXwETCrpPJubnrmU6aKzh  
c8f4965ea57a68d0e6dd384324dfd28cfbe0c801015b973e7331db8ce018716999 1
```

Substitute it with your own values and without the "<>"s.

## **VPS Remote Wallet Install**

Install the latest version of the BTCONE wallet onto your masternode. The latest version can be found here: <https://github.com/BitCoinONE1/BTCONE-Blockchain/releases>.

Step 1: Log in to your VPS:

```
cd ~
```

Step 2: From your home directory, download the latest version from the BTCONE GitHub repository:

```
wget  
https://github.com/BitCoinONE1/BTCONE-Blockchain/releases/download/v3.1.99/bitcoinone-x86_  
64-linux-gnu.tar.gz
```

Step 3: Unzip & Extract:

```
tar -zxvf bitcoinone-x86_64-linux-gnu.tar.gz
```

Step 4: Go to your BTCONE bin directory:

```
cd ~/bitcoinone/bin
```

Step 5: Note: If this is the first time running the wallet in the VPS, you'll need to attempt to start the wallet:

```
./bitcoinoned --daemon
```

Step 6: Stop the daemon:

```
./bitcoinone-cli stop
```

Step 7: Now on the masternodes, enter the bitcoinone data directory:

```
cd ~/.bitcoinone
```

Step 8: Open the configuration file by typing:

```
nano bitcoinone.conf
```

Step 9: Make the config look like this:

```
rpcuser=long_random_username  
rpcpassword=longer_random_password  
rpccallowip=127.0.0.1  
server=1  
daemon=1  
logtimestamps=1  
maxconnections=256  
masternode=1  
externalip=Your VPS unique public ip address  
masternodeprivkey=Result of Step 1
```

Make sure to replace rpcuser and rpcpassword with your own.

Step 10: Save and exit the file:

```
Ctrl+x to exit and press Y to save changes and press enter to close
```

Please be sure to have port 41472 open on your server firewall if applicable for your control wallet to be able start the masternode remotely.

## **Start the Masternode**

Step 1: Now, you need to finally start these things in this order:

```
cd ~/bitcoinone/bin
```

Step 2: Start the wallet:

```
./bitcoinoned
```

Step 3: From the Control wallet debug console:

```
startmasternode alias false <myalias>
```

Where <myalias> is the name of your masternode alias (without brackets)

The following should appear.

```
"overall" : "Successfully started 1 masternodes, failed to start 0, total 1",
"detail" : [
{
  "alias" : "<myalias>",
  "result" : "successful",
  "error" : ""
}
]
```

Step 4: Back in the VPS (remote wallet), start the masternode:

```
./bitcoinone-cli startmasternode local false
```

Step 5: Use the following command to check status:

```
./bitcoinone-cli masternode status
```

You should see something like:

```
{
  "txhash": "c2f85b71a04d111a1ca337fbc3aed1168856e3365b4e846ac9b89a9908c15b1d",
  "outputidx": 1,
  "netaddr": "95.179.182.255:41472",
  "addr": "bTSAZ8JbaDDHTEKnMLd3exqv7n8VBKS9i7",
  "status": 4,
  "message": "Masternode successfully started"
}
```

Masternode Setup is Complete!