



Masternode Setup

Version 1.0

(Ubuntu 16.4)

Welcome to our

DACHCOIN

Masternode Setup!

The Guide has 2 Steps:

- **Collateral Setup**
- **Masternode Setup**

If you need help, feel free to contact us
<https://www.dachcoin.live>
<https://discord.dachcoin.live>

Before you begin

This guide assumes you are setting up a masternode for the first time.

You will need:

- 5000 DACH COIN
- Wallet: <https://github.com/dachcoin/dachcoin/releases>
- A Linux server, preferably a Virtual Private Server (VPS)

you can find a good VPS here: [VULTR VPS Service](#)

1024 MB RAM and 1 CPU are good enough – choose Ubuntu 16.4

This guide also assumes you will be working from a Windows computer. However, since most of the work is done on your Linux VPS, alternative steps for using macOS or Linux will be indicated where necessary.

Collateral Setup

Send the collateral

A DACH Coin address with a single unspent transaction output (UTXO) of exactly 5000 DACH is required to operate a masternode. Once it has been sent, various keys regarding the transaction must be extracted for later entry in a configuration file as proof that the transaction was completed successfully. A masternode can be started from the official DACH Coin Core wallet.

Sending from DACH Core wallet (Windows)

- 1.) Open your DACH Core wallet and wait for it to synchronize with the network.

It should look like this when ready (Wallet right corner down):



- 2.) Click on receive Tab and fillup this. then press Request payment

A screenshot of the 'Dachcoin Core - Wallet' application window. The title bar reads 'Dachcoin Core - Wallet'. Below it is a menu bar with 'File', 'Settings', 'Tools', and 'Help'. A navigation bar contains five tabs: 'Overview' (selected), 'Send', 'Receive', 'Transactions', and 'Masternodes'. The 'Receive' tab is active, displaying a form titled 'Use this form to request payments. All fields are optional.' The form has three main sections: 'Label:' with a text input containing 'MN01'; 'Amount:' with a numeric input containing '5 000.00000000' and a dropdown menu set to 'DACH'; and 'Message:' with a large text area. Below these is a checkbox labeled 'Reuse an existing receiving address (not recommended)'. At the bottom are two buttons: 'Request payment' and 'Clear'.

Press Request payment and copy the generated Address.

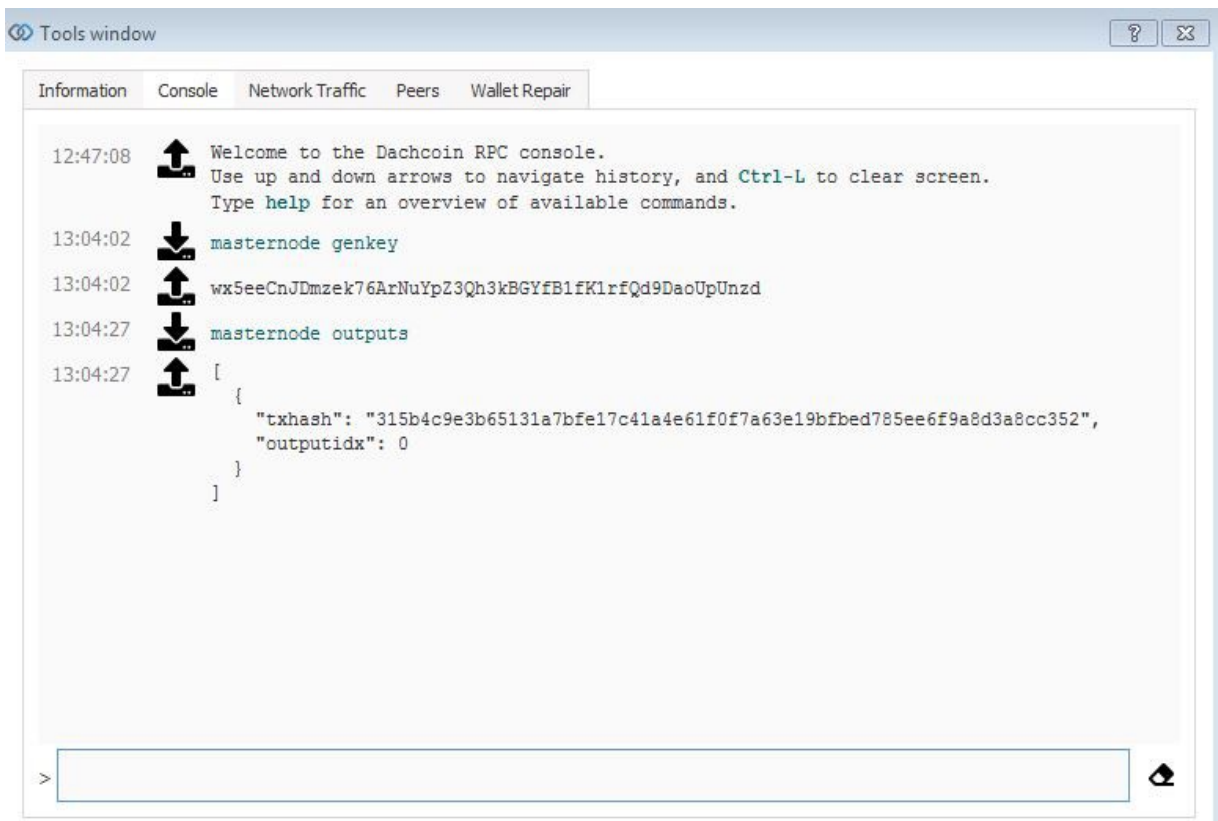
Go to send tab and send exactly 5000 Dachcoins on your generated Address and wait 16 Network Confirmations.

3.) Open Tools → Debug Console

Type in the command line

masternode genkey „and“ masternode outputs

You get results like:



4.) Open now Tools → Open Masternode Configuration File

fillup with your own Information in a new single Line, follow the Example but do your line without # in Front:

*MN01 (your Masternode)
IP:31701 (Your own VPS IP)
Privatekey (generated in the Picture above)
TX HASH (generated in the Picture above)
Outputidx (generated in the Picture above)*

our example:

*MN01 123.45.56.78:317001 wx5eeCnJDmzek76ArNuYpZ3Qh3kBGYfB1fK1rfQd9DaoUpUnzd
315b4c9e3b65131a7bfe17c41a4e61f0f7a63e19bfbed785ee6f9a8d3a8cc352 0*

save and close the Textfile and REMEMBER – it need to be in 1 LINE !!

You need later your Privatekey again, so please copy your Privatekey again and save it on your PC (Textfile or any other way to use it later again)

close and reopen your Wallet.

5.) Prepare your VPS

Get your Login Data and open Putty.

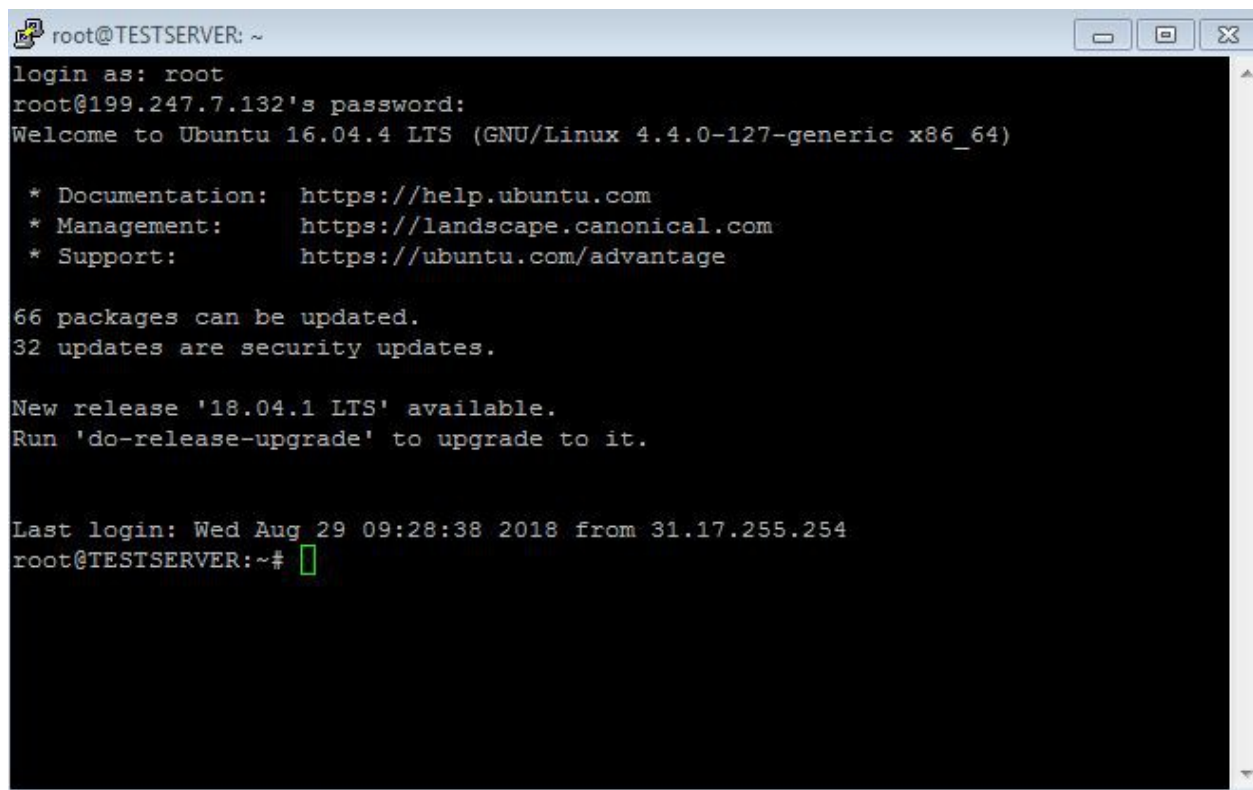
You found putty here:

<https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>

or use this Link for the latest 64 Bit Windows Version:

<https://the.earth.li/~sgtatham/putty/latest/w64/putty.exe>

Login and you see:



```
root@TESTSERVER: ~
login as: root
root@199.247.7.132's password:
Welcome to Ubuntu 16.04.4 LTS (GNU/Linux 4.4.0-127-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

66 packages can be updated.
32 updates are security updates.

New release '18.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

Last login: Wed Aug 29 09:28:38 2018 from 31.17.255.254
root@TESTSERVER:~#
```

Start now Line by Line with:

```
sudo apt-get -y update  
sudo apt-get -y upgrade
```

create SWAP:

```
sudo fallocate -l 2048M /mnt/swapfile  
sudo dd if=/dev/zero of=/mnt/swapfile bs=1024 count=2M  
sudo mkswap /mnt/swapfile  
sudo swapon /mnt/swapfile  
sudo chmod 600 /mnt/swapfile  
echo '/mnt/swapfile none swap sw 0 0' >> /etc/fstab  
free -h
```

create Firewall:

```
sudo ufw allow 22/tcp  
sudo ufw limit 22/tcp  
sudo ufw allow 31701/tcp  
sudo ufw logging on  
sudo ufw --force enable  
sudo ufw status
```

copy the Daemon – PLEASE make sure to copy both Lines starting with wget and ends with tar.gz:

```
wget  
https://github.com/dachcoin/dachcoin/releases/download/v1.0.1.0/dachcoin-1.0.1.0-x86\_64-linux-gnu.tar.gz
```

```
tar xf dachcoin-1.0.1.0-x86_64-linux-gnu.tar.gz
```

```
cp dachcoin-1.0.1.0/bin/dachcoin* /usr/local/bin/
```

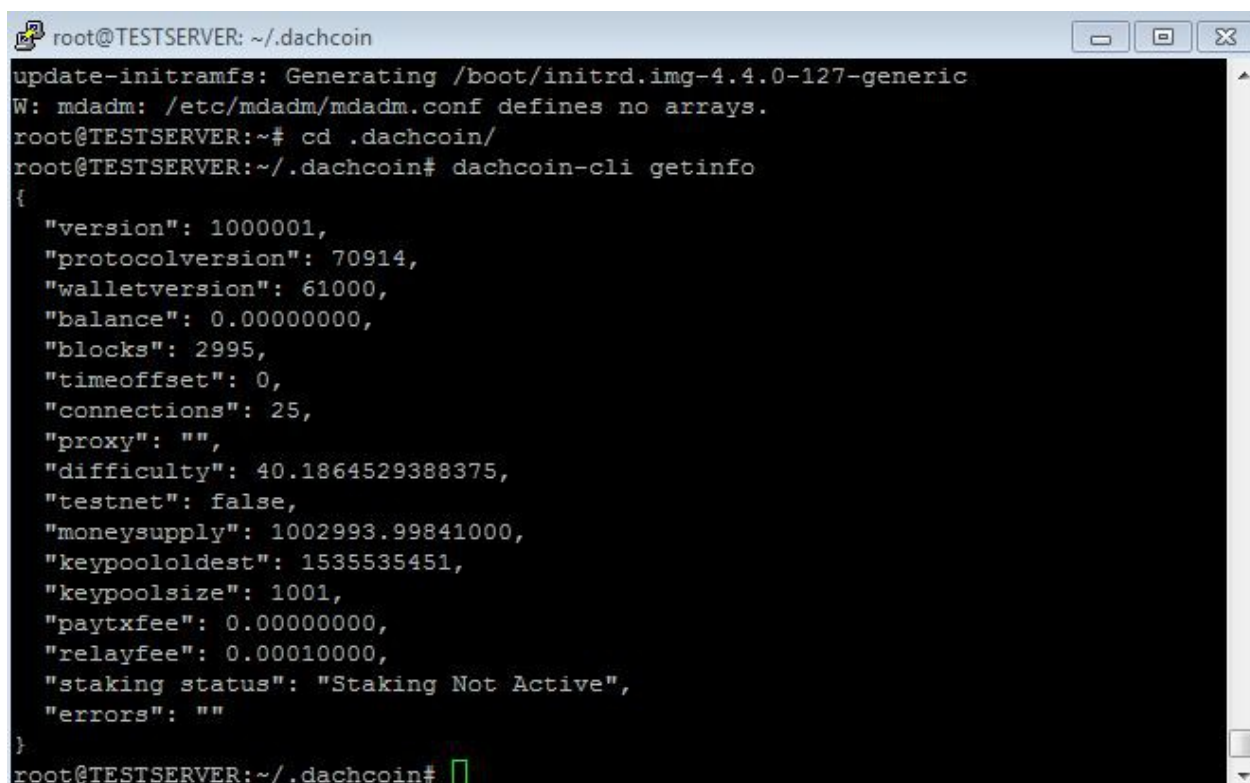
Start Dachcoin Daemon with:

```
dachcoind -daemon
```

Watch if Node will sync:

```
dachcoin-cli getinfo
```

Please check with our Explorer if your Node fully sync:
<https://explorer.dachcoin.live/>



```
root@TESTSERVER: ~/.dachcoin
update-initramfs: Generating /boot/initrd.img-4.4.0-127-generic
W: mdadm: /etc/mdadm/mdadm.conf defines no arrays.
root@TESTSERVER:~# cd .dachcoin/
root@TESTSERVER:~/.dachcoin# dachcoin-cli getinfo
{
  "version": 1000001,
  "protocolversion": 70914,
  "walletversion": 61000,
  "balance": 0.00000000,
  "blocks": 2995,
  "timeoffset": 0,
  "connections": 25,
  "proxy": "",
  "difficulty": 40.1864529388375,
  "testnet": false,
  "moneysupply": 1002993.99841000,
  "keypoololdest": 1535535451,
  "keypoolsize": 1001,
  "paytxfee": 0.00000000,
  "relayfee": 0.00010000,
  "staking status": "Staking Not Active",
  "errors": ""
}
root@TESTSERVER:~/.dachcoin#
```

If the Node fully sync:

dachcoin-cli stop

cd .dachcoin

nano dachcoin.conf

insert and replace all XXX:

rpcuser=XXX <--- any username

rpcpassword=XXX <--- any random strong password

rpccallowip=127.0.0.1

listen=1

server=1

daemon=1

externalip=XXX <--- your IP

bind=XXX:31701 <--- your IP again

masternode=1

masternodeprivkey=XXX <--- Your Private KEY (you wrote it down before)

Close Nano with STRG and X, then press Y for YES.

Start Daemon again and check full sync again:

dachcoind -daemon

dachcoin-cli getinfo

Note: if you got an error like:

Corrupted block database detected. Do you want to rebuild the block database now?

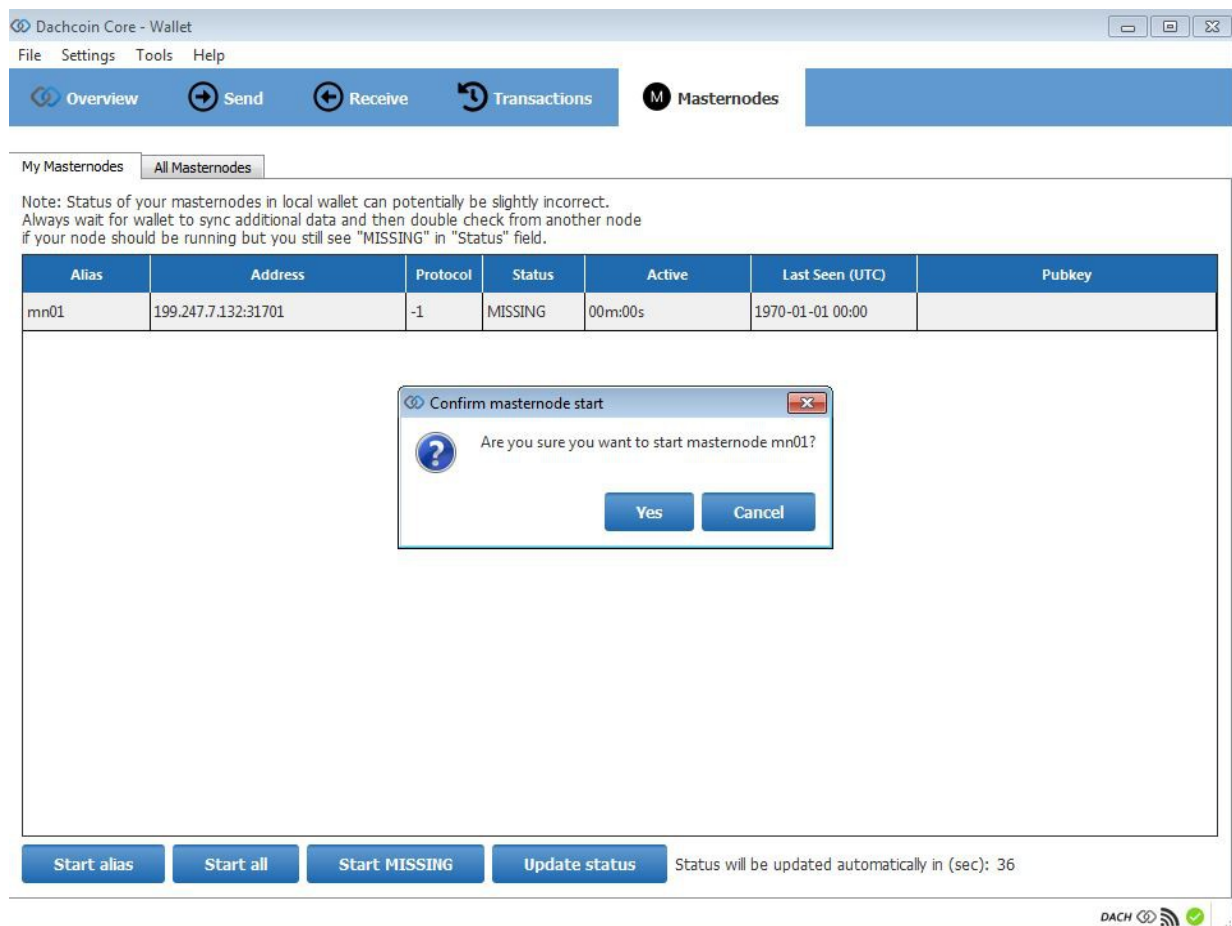
Start the Daemon with: dachcoind -reindex --daemon

6.) Back to the DACH Wallet

Click on Masternode Tab

Click on the row where is mn01 and then Start Alias

Click Yes on Popup



Click on OK

Dachcoin Core - Wallet

FileSettingsToolsHelp

Overview

Send

Receive

Transactions

M Masternodes

My Masternodes

All Masternodes

Note: Status of your masternodes in local wallet can potentially be slightly incorrect.
Always wait for wallet to sync additional data and then double check from another node
if your node should be running but you still see "MISSING" in "Status" field.

Alias	Address	Protocol	Status	Active	Last Seen (UTC)	Pubkey
mn01	199.247.7.132:31701	-1	MISSING	00m:00s	1970-01-01 00:00	

Dachcoin-Qt

Alias: mn01
Successfully started masternode.

OK

Start alias

Start all

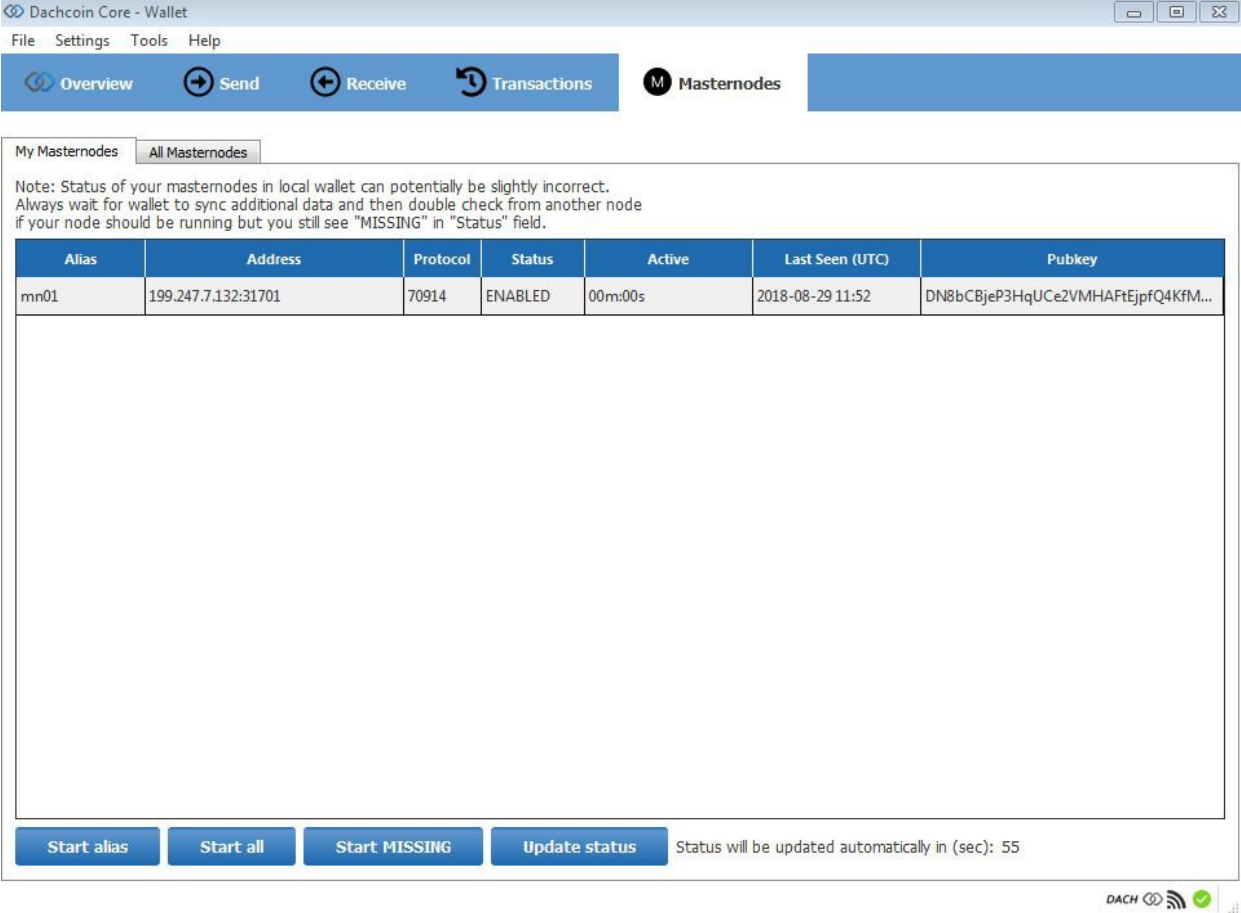
Start MISSING

Update status

Status will be updated automatically in (sec): 51

DACH

If your Setup correct, you will get this:



The screenshot shows the 'Masternodes' tab in the Dachcoin Core - Wallet interface. It features a table with masternode details and a list of action buttons at the bottom.

Note: Status of your masternodes in local wallet can potentially be slightly incorrect. Always wait for wallet to sync additional data and then double check from another node if your node should be running but you still see "MISSING" in "Status" field.

Alias	Address	Protocol	Status	Active	Last Seen (UTC)	Pubkey
mn01	199.247.7.132:31701	70914	ENABLED	00m:00s	2018-08-29 11:52	DN8bCBjeP3HqUCe2VMHAFtEjpfQ4KfM...

Buttons: Start alias, Start all, Start MISSING, Update status

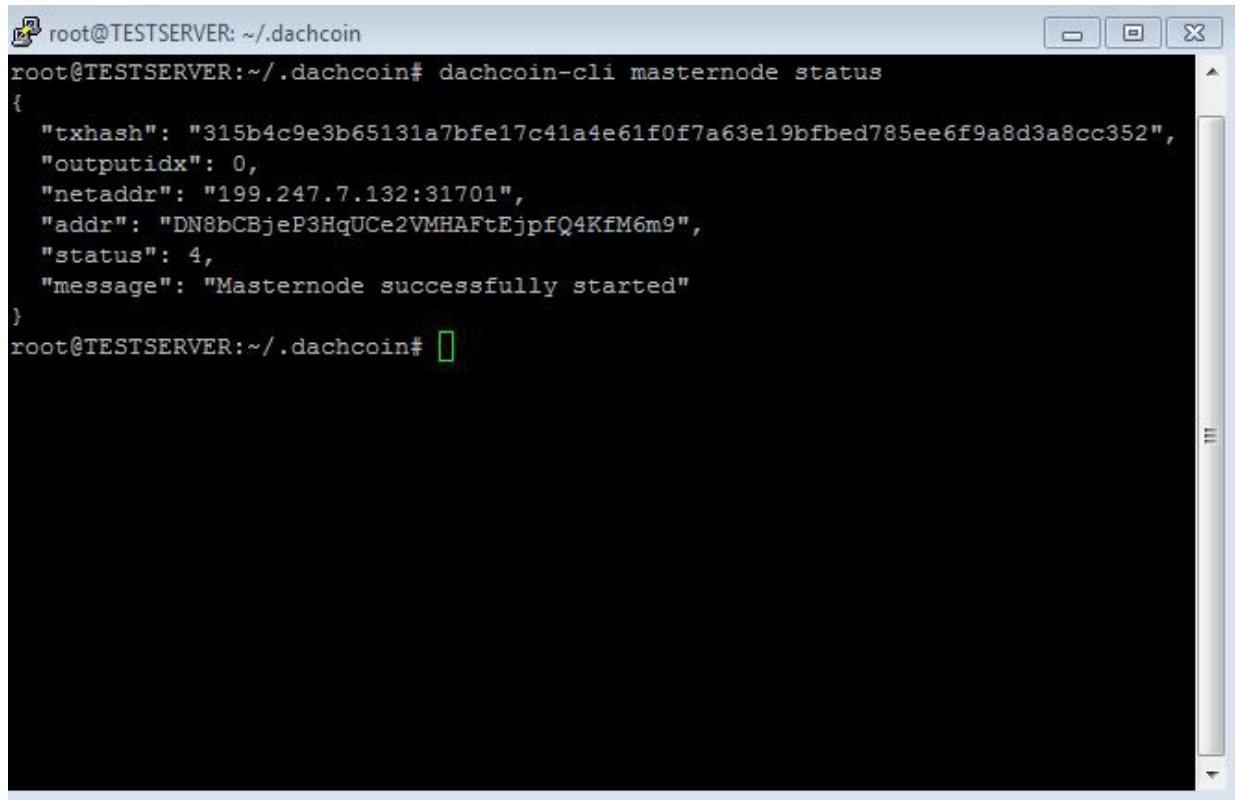
Status will be updated automatically in (sec): 55

7.) Go back to your VPS and check:

Masternode run ?:

dachcoin-cli masternode status

if you see this:

A terminal window titled 'root@TESTSERVER: ~/.dachcoin' with standard window controls. The command 'dachcoin-cli masternode status' has been executed, resulting in a JSON output. The output indicates that the masternode is successfully started, with a status of 4. The terminal has a black background and a green cursor is visible at the end of the command line.

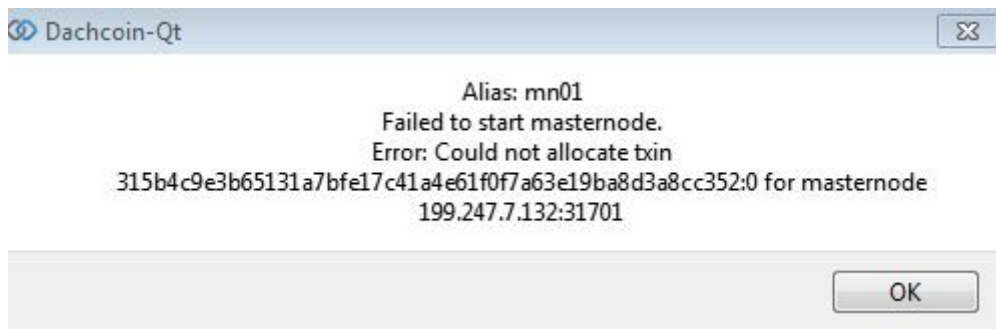
```
root@TESTSERVER: ~/.dachcoin# dachcoin-cli masternode status
{
  "txhash": "315b4c9e3b65131a7bfe17c41a4e61f0f7a63e19bfbed785ee6f9a8d3a8cc352",
  "outputidx": 0,
  "netaddr": "199.247.7.132:31701",
  "addr": "DN8bCBjeP3HqUCe2VMHAFtEjpfQ4KfM6m9",
  "status": 4,
  "message": "Masternode successfully started"
}
root@TESTSERVER: ~/.dachcoin#
```

*BE HAPPY ! Your Masternode is running !
But stay tuned, it needs Time until the first Reward will come.*

Also Staking needs time and matured Coins !

You are not happy ? Your Masternode with finest Dachcoin is not working ?

Maybe you see this ?



*This means your Collateral Sending of 5000 Coins or your TXHASH are fail.
Please start again with Step 1 to 4.*

Nothing happen ? Nothing is running ? Life is over ?

Dont worry !

The Solution is simple, join our Discord Server and get Masternode Support !

<https://discord.dachcoin.live>

Our Discord Team help you for free until your MN is running.

Promise.

Your DACH DEV Team