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 reccive Tab and fillup this. then press Request payment

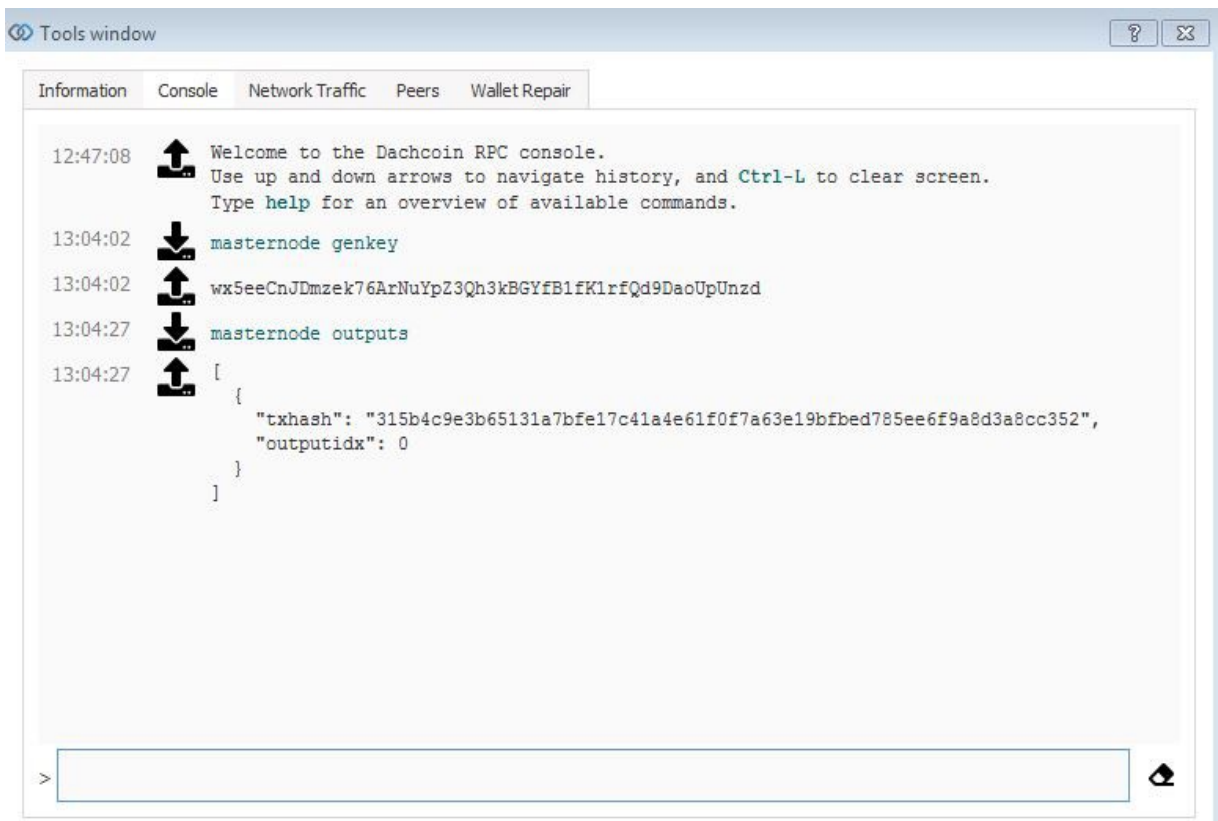*Press Request payment and copy the generated Adress.*

*Go to send tab and send excactly 5000 Dachcoins on your generated Adress
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.

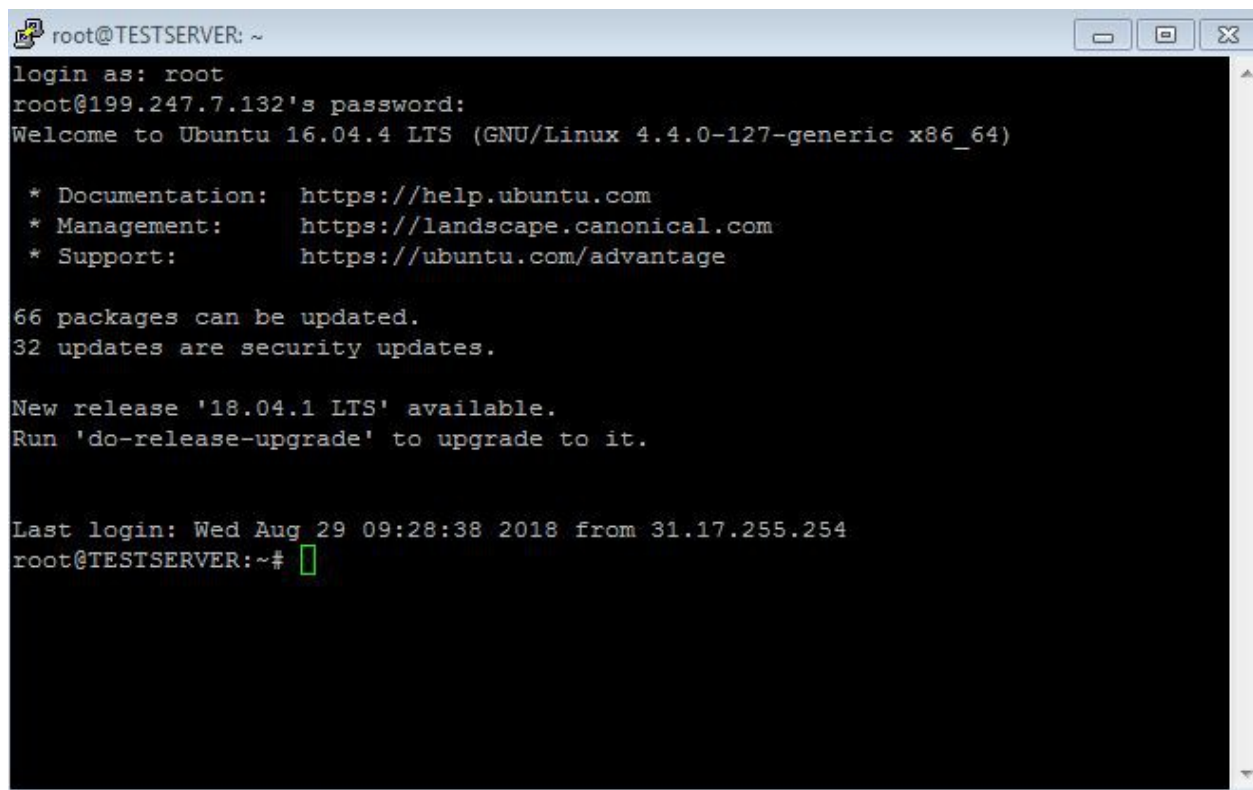*5.) Prepare your VPS*

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:

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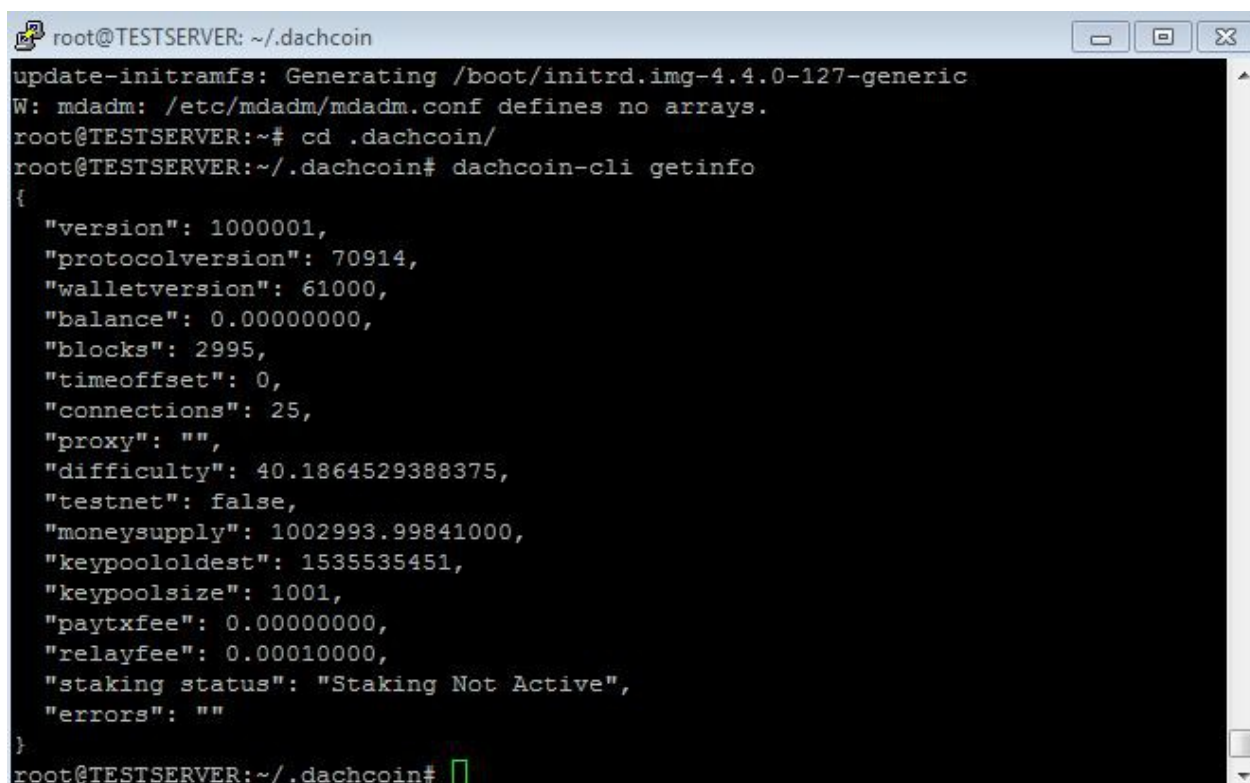
 cp dachcoin-1.0.1.0/bin/dachcoin* /usr/local/bin/

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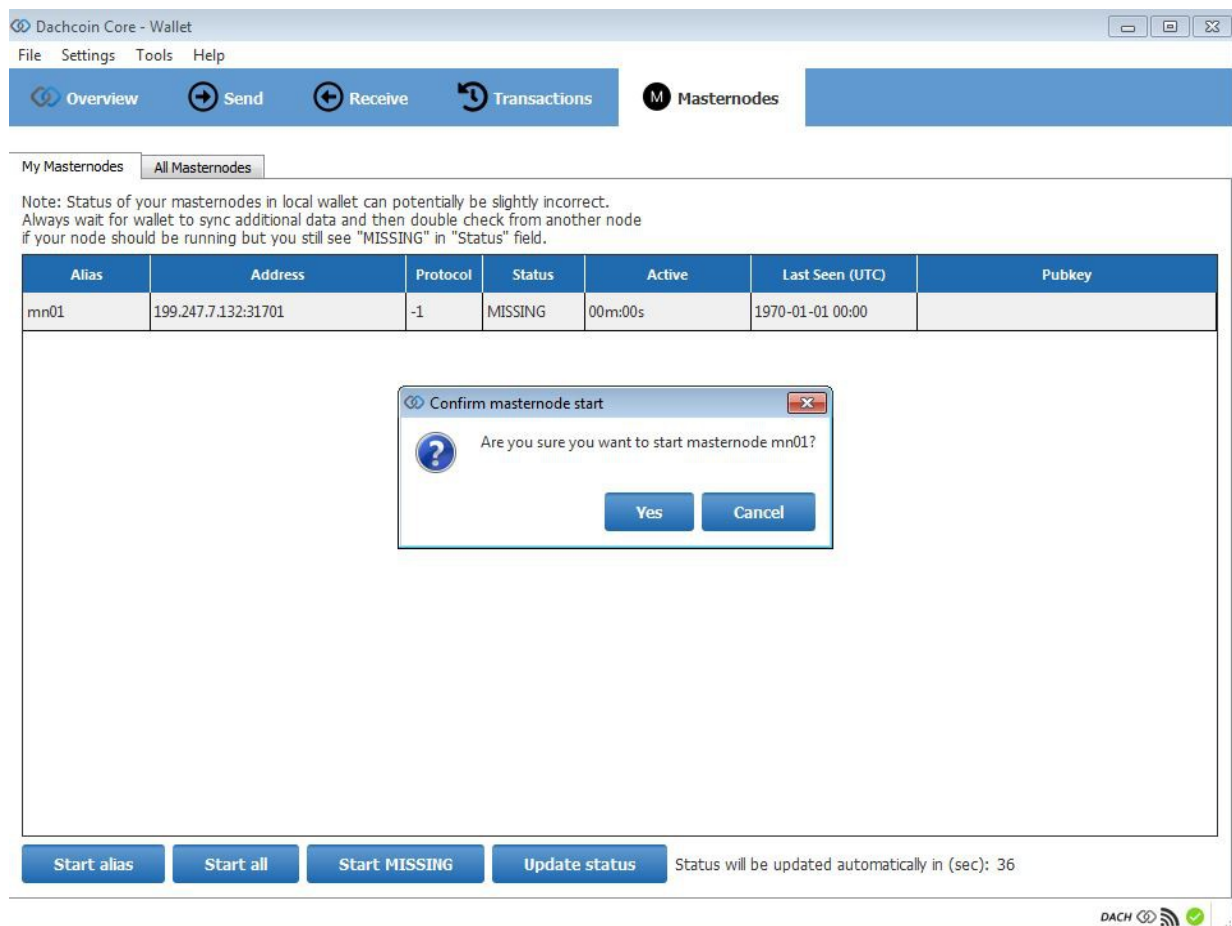Corrupted block database detected. Do you want to rebuild the block database now?

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
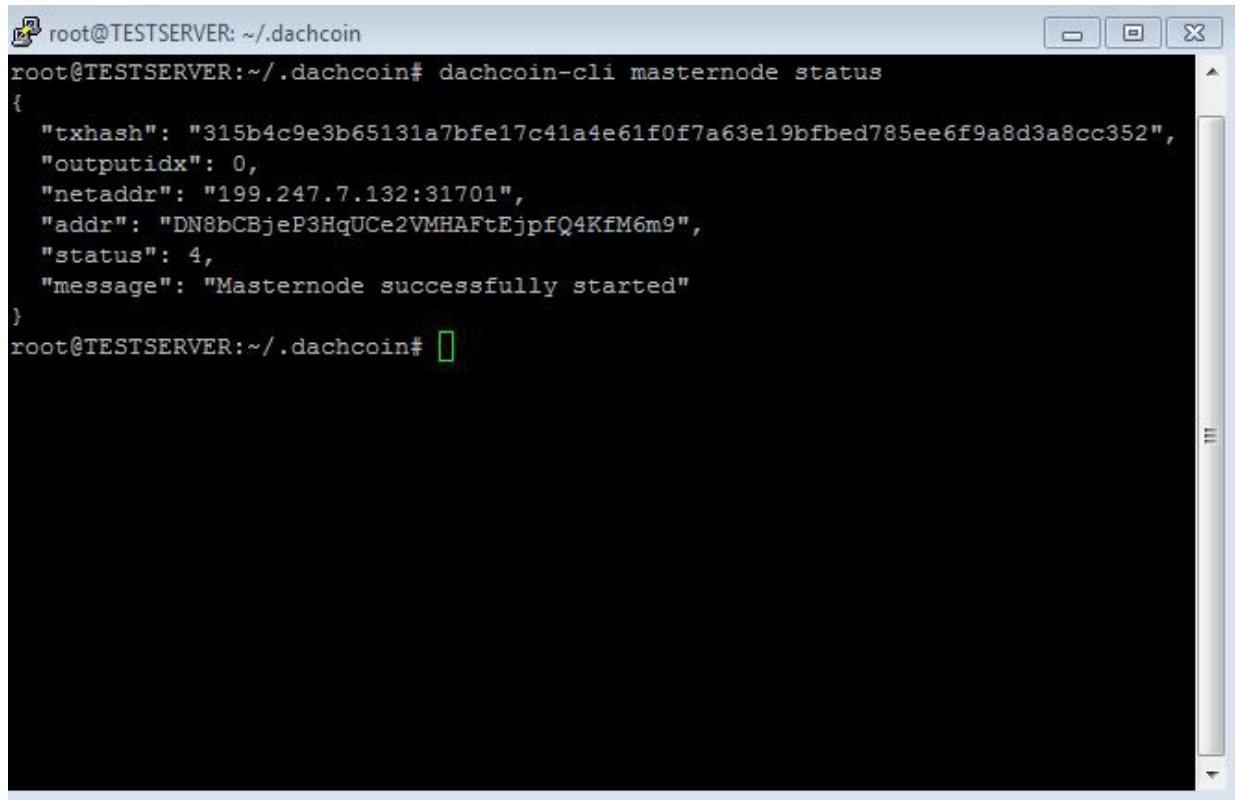Click Yes on Popup

Click on OK

If your Setup correct, you will get this:

7.) Go back to your VPS and check:

Masternode run ?:
dachcoin-cli masternode status

if you see this:

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 ?


```
Dachcoin-Qt

                    Alias: mn01
            Failed to start masternode.
           Error: Could not allocate txin
315b4c9e3b65131a7bfe17c41a4e61f0f7a63e19ba8d3a8cc352:0 for masternode
                  199.247.7.132:31701

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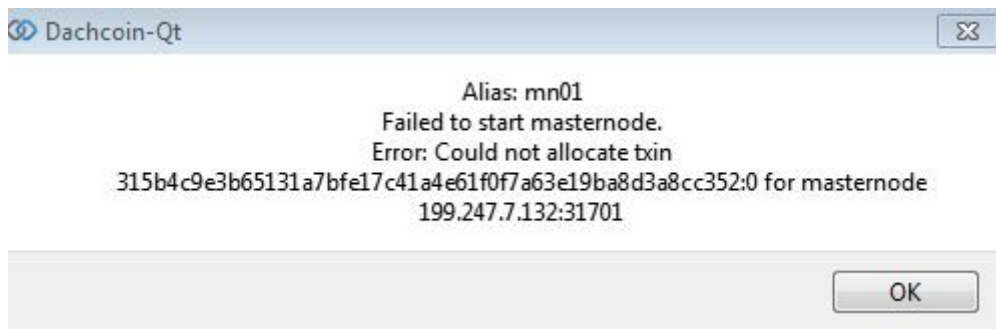
This means your Collateral Sending of 5000 Coins or your TXHASH are fail.
Please start again with Step 1 to 4.

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