



MASTERNODE GUIDE

LINUX VPS SETUP

Prerequisites

1. An Ubuntu VPS x64 server
 - a. 1 GB RAM or more
 - b. A static IP address
2. 80.000 SCH coins
3. A local Schillingcoin wallet

Main Steps

Step 1: Creating VPS Server

Step 2: Preparing Local (Control) Wallet

Step 3: Preparing Masternode Wallet

Step 4: Starting Masternode

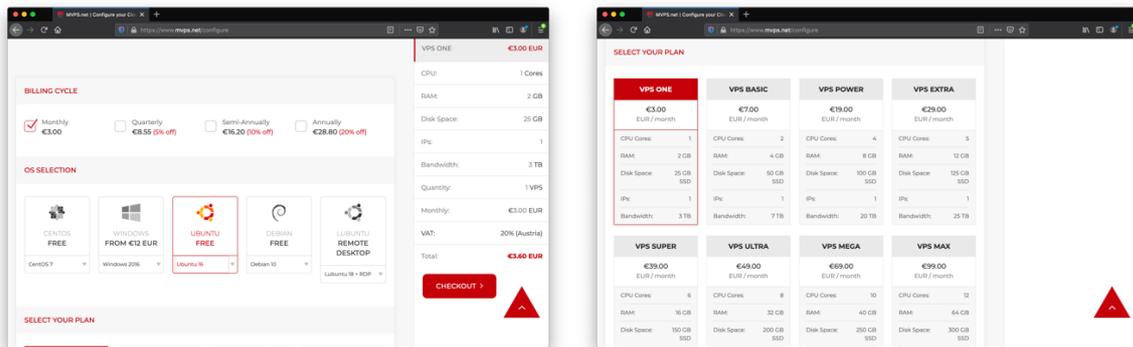
Controller-Cold-Setup

This is the advised Method to setup your Masternodes. The wallet containing the coins does not have to be exposed and can run on your local computer. It does not have to run all the time and you are not vulnerable to someone hacking your VPS because all he can do when he hacked your VPS is stop your MNs but not steal your coins!

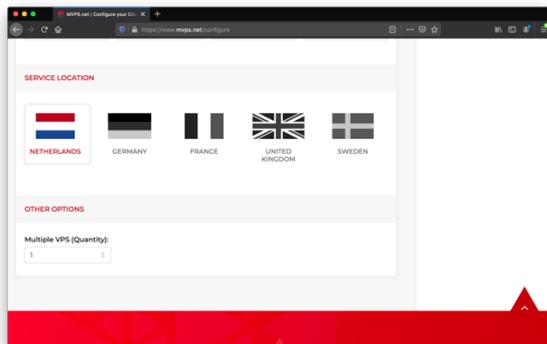
Note: This guide will assist you in setting up Masternode for Schillingcoin. It assumes you use Window GUI local wallet and Ubuntu 16.04 VPS server.

STEP 1: CREATING VPS SERVER

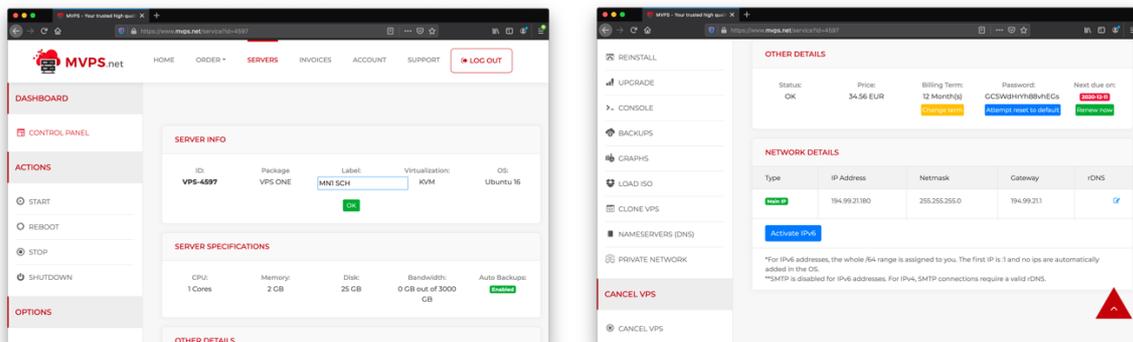
1. Register VPS at [MVPS.net](https://www.mvps.net) (you can also use Vultr or DigitalOcean, but we recommend using MVPS.net)
2. Create your VPS server. Choose a size for your VPS server: e.g., €3/month and choose a type for your VPS server: Ubuntu 16



3. Choose a location for your VPS server. It doesn't really matter.



4. Setup hostname and label for your VPS server and copy your IP address and password – we need that later



STEP 2: PREPARING LOCAL (CONTROL) WALLET

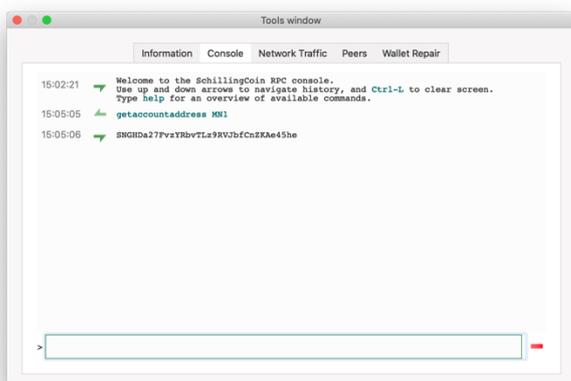
1. Download and install the latest Schillingcoin QT Wallet

<https://github.com/Schilling99/SchillingCoin/releases/tag/v2.0>

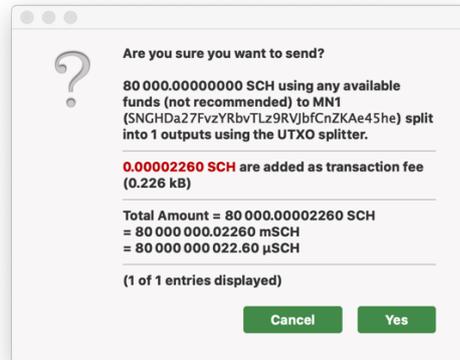
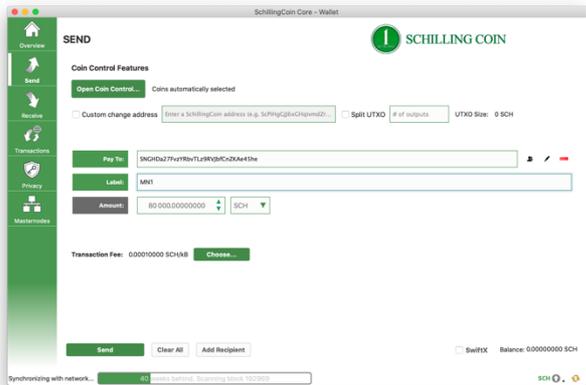
2. Setup your QT wallet by double clicking and follow the instruction.



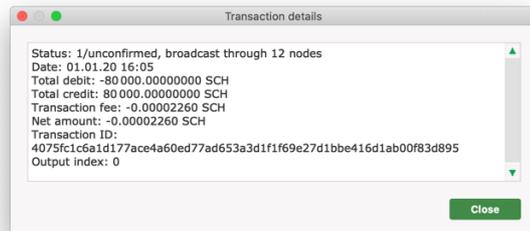
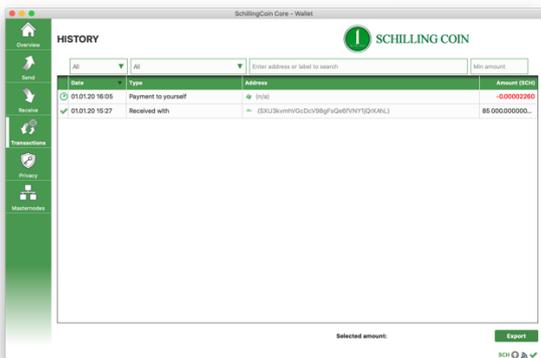
3. Open your wallet debug console (tools → debug console) and type “getaccountaddress MN1”. A new wallet address will be created to receive MN Collateral.



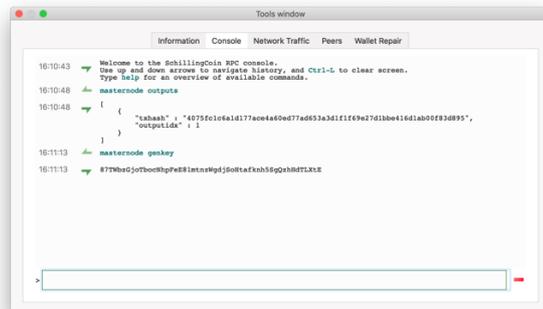
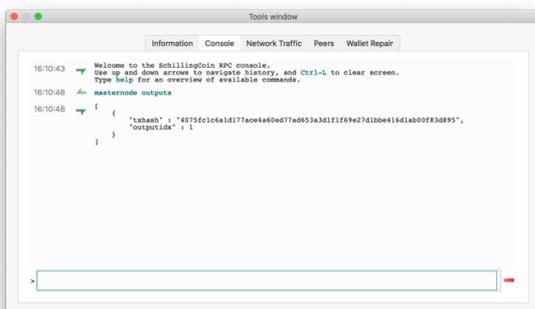
4. Send exactly 80.000 SCH coins to that address. If you have your coins on an exchange you should send these coins to your local wallet first.



5. Wait until this transaction has at least 20 confirmations by hovering the mouse over your transaction or by double-clicking.



6. Open the wallet debug console again and type the command “masternode outputs” and press Enter. Then type the command “masternode genkey” and press Enter to get the masternode key.

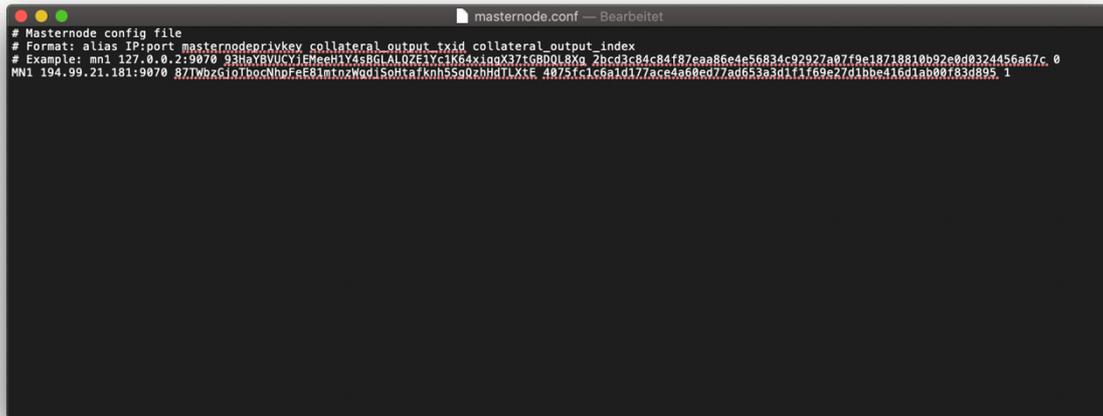


7. Take note the value of your transaction ID (“txhash”), the output index (“outputidx”), and the masternode key. In this case:

```
txhash = a1ebaa2039916b3786c2c6a92c08b72af62a8af40c4d4ebc329d9e971c91b041  
outputidx = 0  
mn_privatekey = 7Rh71FCKbNT08eTkcadikoWmVM4ZDhf88cetWcVFQtfMnd83kaj
```

8. Open and edit the masternode configuration file (tools → masternode config file) as the following

For example: [mn_label] [vps_ip]:[coin_port] [mn_privatekey] [txhash_id] [output_idx]

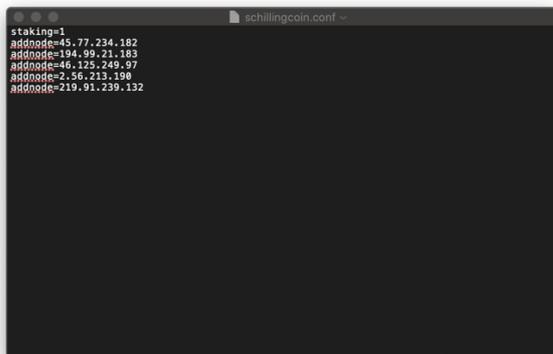


```
masternode.conf -- Bearbeitet  
# Masternode config file  
# Format: alias IP:port masternodeprivkey collateral_output_txid collateral_output_index  
# Example: mn1 127.0.0.2:9070 93HaYBVUCYjELeeh1Y4sBGLALQZE1Yc1K64xiqgX37tG8D0L8Xq 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0  
MN1 194.99.21.181:9070 87TWbzGjotbocNhoFesE81mtozMad1SoHtafkh55gQzhHdTLXKE 4075f1c6a1d177ace4a60ed77ad653a3d1f1f69e27d1bbe416d1ab00f83d895 1
```

Close and save the masternode configuration file.

9. Open schillingcoin configuration file (tools → schillingcoin config file). Copy and paste this into the file. Close and save the schillingcoin configuration file.

```
staking=1  
addnode=45.77.234.182  
addnode=194.99.21.183  
addnode=46.125.249.97  
addnode=2.56.213.190  
addnode=219.91.239.132
```

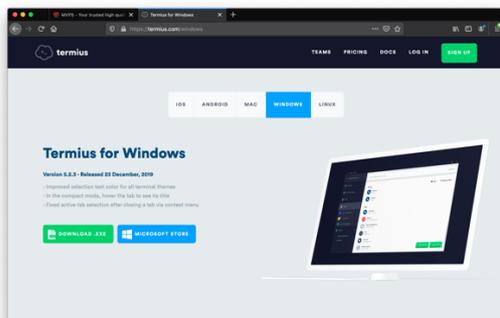
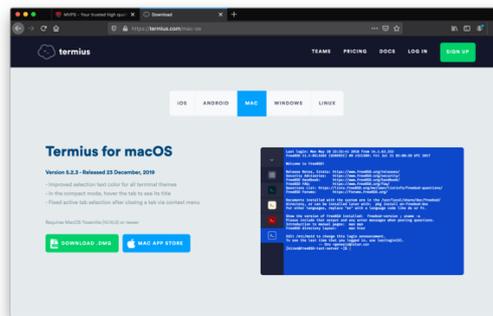
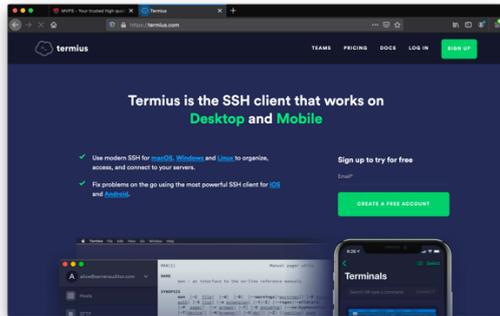


```
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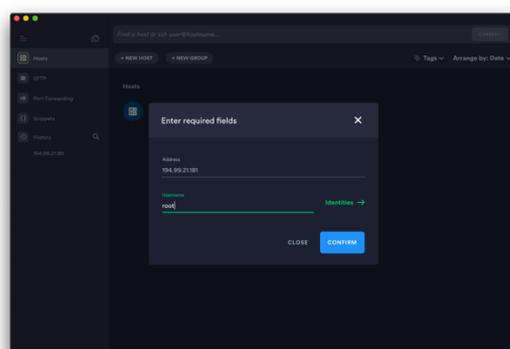
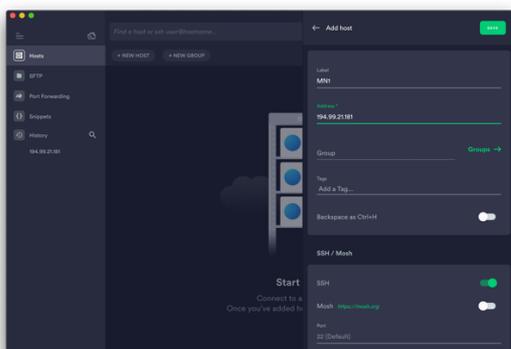
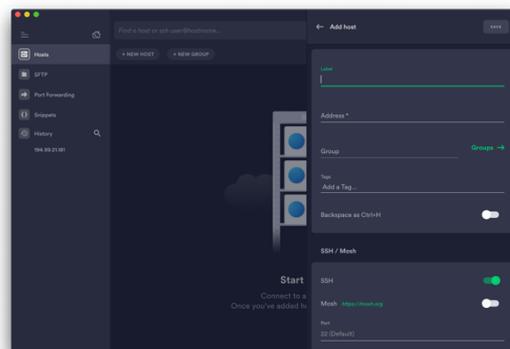
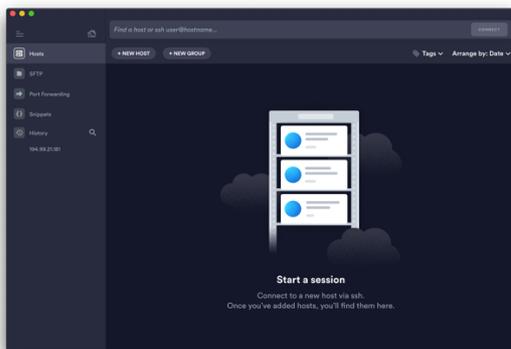
Save and close the wallet.

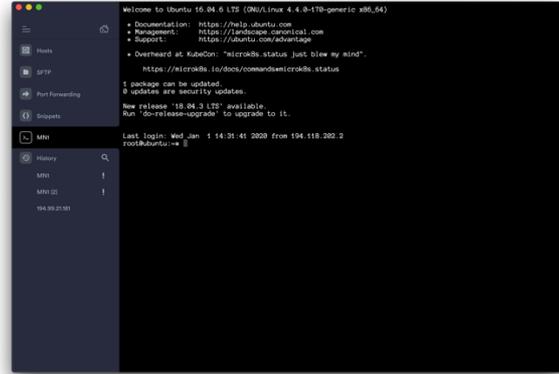
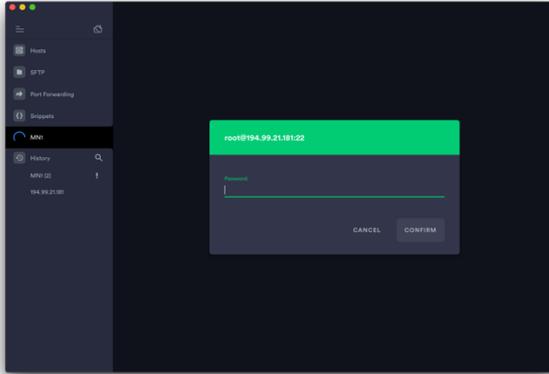
STEP 3: PREPARING MASTERNODE WALLET

1. Connect to the VPS via SSH using Termius. Just download Termius and create a free account. You can also use Putty or another tool to connect to your VPS.



2. Login to the VPS server - Username is always "root"

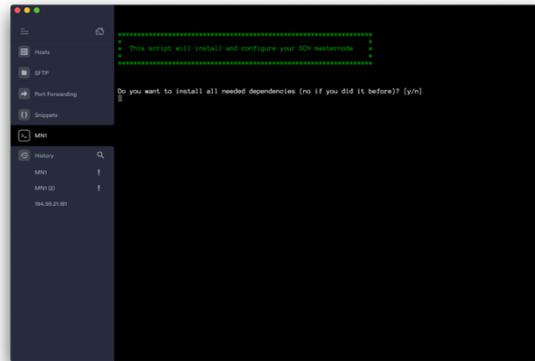
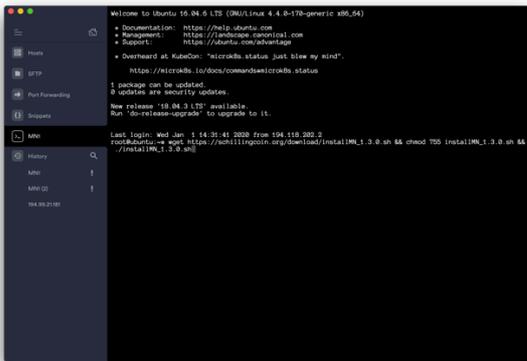




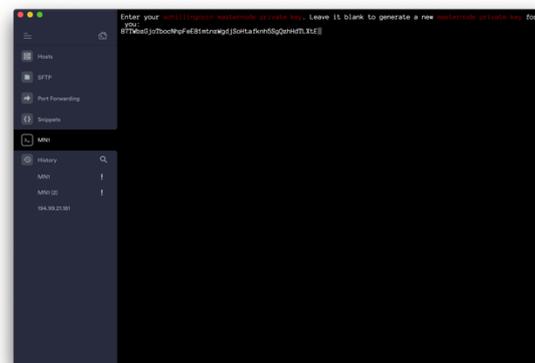
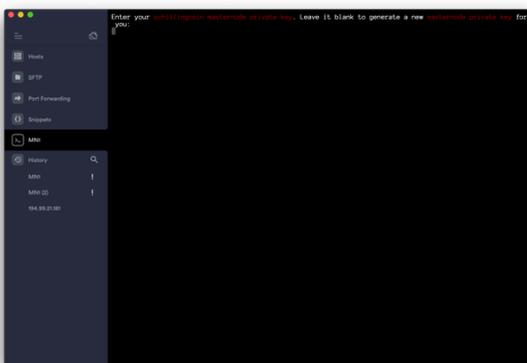
3. Setup Schillingcoin wallet on the VPS. Just use the script to install the masternode wallet on the VPS. to install the SCH Masternode Wallet on your new VPS just copy this command in your console and hit enter:

`wget https://schillingcoin.org/download/installMN && chmod 755 installMN && ./installMN.sh`

type “y” and hit enter to install the script with all dependencies.

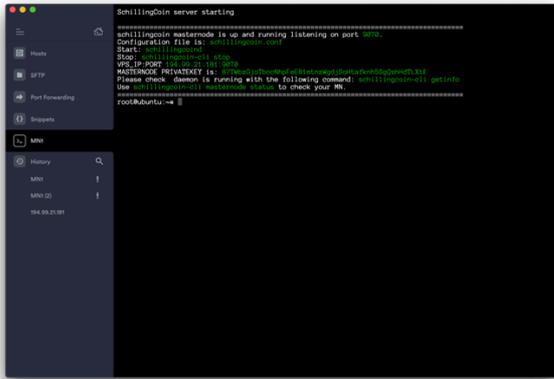


4. Enter Masternode Private Key obtained after issuing “masternode genkey” command in Step 2



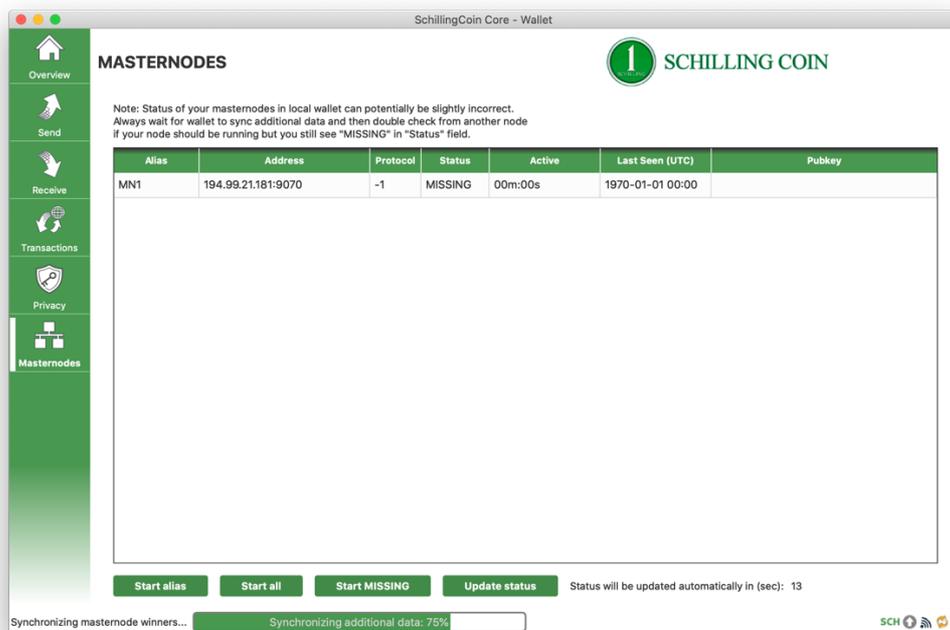
When the script finishes successfully, you will see all information of your Masternode setup and a welcome message. Now the masternode wallet is syncing the blockchain. Wait until the wallet is up to date on the current block count (<https://explorer.schillingcoin.org>). You can check it with

```
schillingcoin-cli getinfo
```



STEP 4: STARTING MASTERNODE

1. Open your local (control) wallet again. Select “Masternodes” tab. You should see your Masternode there. Select your Masternode and click on “Start Alias” or “Start All”.

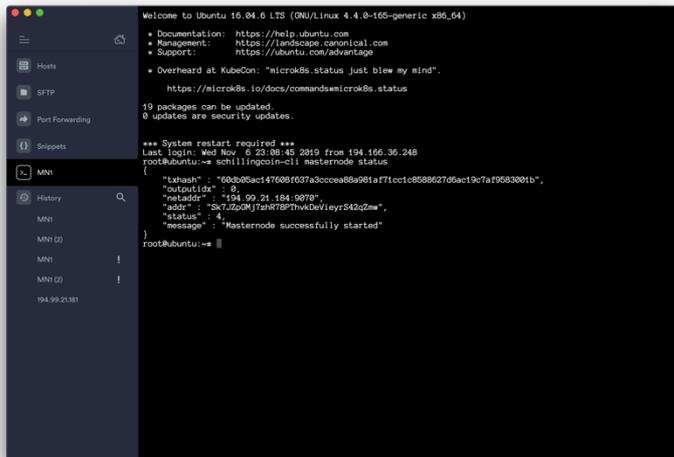


2. Click “OK” to confirm and you should see a successful message

3. Alternatively, you can start your masternode by using the wallet Debug Console. Open and type “startmasternode alias false MN1”. You should see a successful message.

4. Check your masternode status by connecting to your VPS and issuing the following command

```
schillingcoin-cli masternode status
```



Other useful commands

1. Check wallet status

```
schillingcoin-cli getinfo
```

2. Check number of current masternodes

```
schillingcoin-cli masternode status
```

3. Stop wallet

```
schillingcoin-cli stop
```

4. Start wallet

```
schillingcoind
```

5. Start wallet and re-sync the blockchain

```
schillingcoind -reindex
```

for more support just visit your discord server

<https://discord.gg/USERs9m>