



MASTERNODE GUIDE
LINUX VPS SETUP



Prerequisites

1. An Ubuntu VPS x64 server
 - ❖ 1 GB RAM or more
 - ❖ A static IP address
2. **10000** SND coins
3. A local Snodecoin wallet

Main Steps

Step 1: Creating VPS Server

Step 2: Preparing Local (Control) Wallet

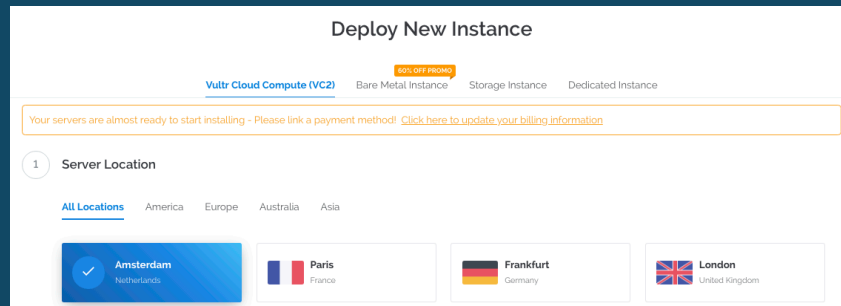
Step 3: Preparing Masternode Wallet

Step 4: Starting Masternode

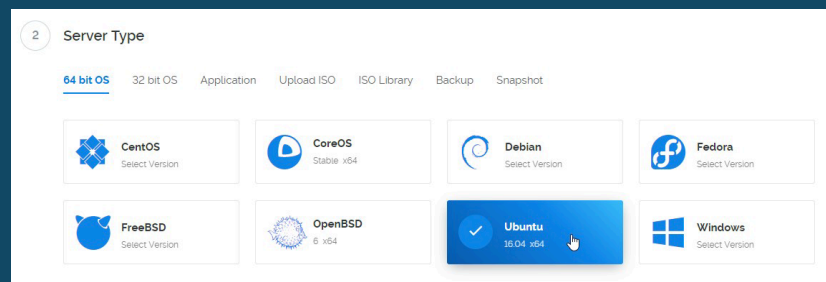
Note: This guide will assist you in setting up Masternode for Snodecoin. It assumes you use Window GUI local wallet and Ubuntu 16.04 VPS server.

STEP 1: CREATING VPS SERVER

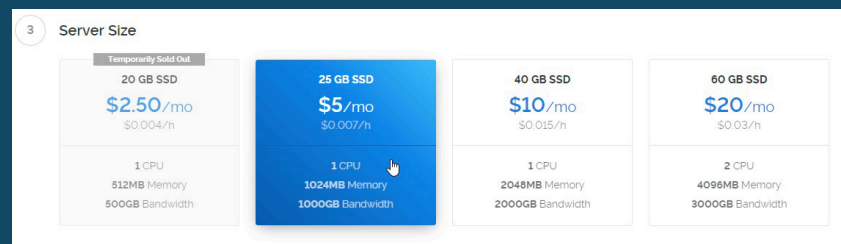
1. Register VPS at [Vultr](#) or [DigitalOcean](#)
2. Create your VPS server
3. Choose a location for your VPS server



4. Choose a type for your VPS server: Ubuntu 16.04



5. Choose a size for your VPS server: e.g., \$5/month

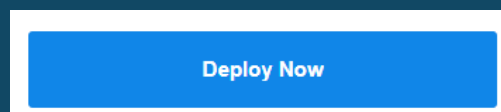


6. Setup hostname and label for your VPS server

Server Hostname & Label

Enter server hostname Masternode	Enter server label Masternode
-------------------------------------	----------------------------------

7. Finally, click "Deploy now"



STEP 2: PREPARING LOCAL (CONTROL) WALLET

1. Download and install the latest Snodecoin qt wallet (v1.1.0)

Link: <https://github.com/snodeco/snode-coin/releases>

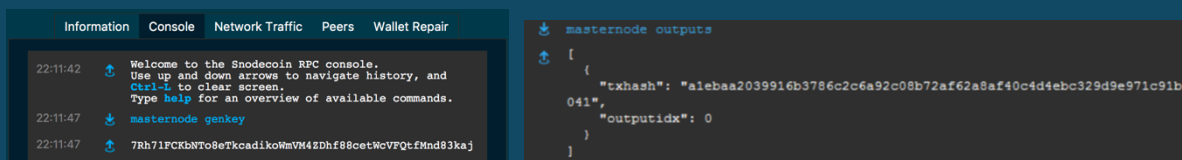
2. Setup your qt wallet by double clicking on file snodecoin-*.exe and follow the instruction

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

5. Send exactly **10,000 SND** coins to that address. If you send from exchange, please send **10,001 SND** for covering the transaction fee.

6. Wait until this transaction has at least **15 confirmations** by hovering the mouse over your transaction.

7. 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.



```
Information Console Network Traffic Peers Wallet Repair
22:11:42 Welcome to the Snodecoin RPC console.
Use up and down arrows to navigate history, and
Ctrl-L to clear screen.
Type help for an overview of available commands.
22:11:47 masternode genkey
22:11:47 7Rh71FCKbNT08eTkcadiKoWmVM4ZDhf88cetWcVFQtfMnd83kaj
masternode outputs
[
  {
    "txhash": "a1ebaa2039916b3786c2c6a92c08b72af62a8af40c4d4ebc329d9e971c91b041",
    "outputidx": 0
  }
]
```

8. 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
```

9. Open and edit the masternode configuration file as the following

```
[mn_label] [vps_ip]:[coin_port] [mn_privatekey] [txhash_id] [output_idx]
```

For example:

```
MN1 192.168.1.1:18988 7Rh71FCKbNT08eTkcadiKoWmVM4ZDhf88cetWcVFQtfMnd83kaj
a1ebaa2039916b3786c2c6a92c08b72af62a8af40c4d4ebc329d9e971c91b041 0
```

10. Close and save the masternode configuration file. Then close your local wallet.

STEP 3: PREPARING MASTERNODE WALLET

1. Connect to the VPS via SSH using [Putty](#)
2. Setup Snodecoin wallet on the VPS

Option 1: Compile Snodecoin wallet using the script

- a. Download and execute the script

<https://github.com/snodeco/snodecoin-installer>

```
$ bash snode-installer.sh
```

- b. Enter **Private Key** obtained after issuing “**masternode genkey**” command in **Step 2**
- c. When the script finishes successfully, you will see all information of your Masternode setup and a welcome message.



- d. Check the status of your Masternode wallet daemon service and you should see it “**active and running**”

```
$ systemctl status SND.service
```

- e. Check the status of your Masternode with [snodecoin-cli](#)

```
$ ./snodecoin-cli getinfo
```

Option 2: Download and compile Snodecoin wallet from the source

- a. Download latest source code from [here](#)
- b. Compile the wallet
- c. Create SND.service and start the wallet

```
$ systemctl start SND.service
```

- d. Check the status of wallet. You should see “**active (running)**”

```
$ systemctl status SND.service
```

- e. Open the **snodecoin.conf** located in /root/.snodecoin/ and add and adjust the following information:

```
$ nano /root/.snodecoin/snodecoin.conf
```

```
rpcuser=<random>
rpcpassword=<random>
rpcallowip=127.0.0.1
rpcport=18989
port=18988
daemon=1
server=1
listen=1
logintimestamps=1
maxconnections=256
discover=1
enableaccounts=1
masternode=1
externalip=< your_vps_ip >:18988
masternodeaddr=<your_vps_ip>
masternodeprivkey=<mn_privatekey>
```

Ctrl+X and then Y to save the file.

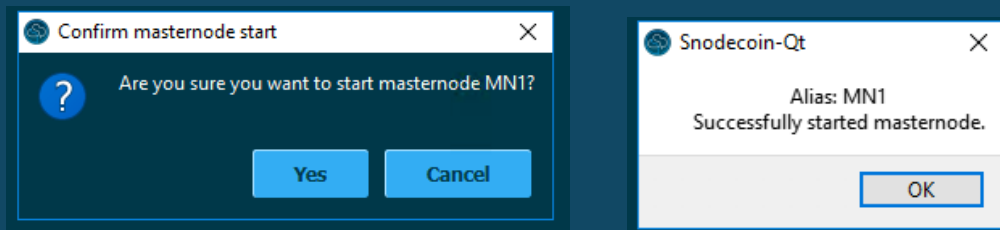
- f. Restart the wallet

```
$ systemctl restart SND.service
```

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.

```
{
  "overall": "Successfully started 1 masternodes, failed to start 0, total 1",
  "detail": [
    {
      "alias": "MN1",
      "result": "successful",
      "error": ""
    }
  ]
}
```

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

```
./snodecoin-cli masternode status
```

You should see

```
"status": 4,
"message": "Masternode successfully started"
```

Other useful commands

1. Check masternode winners.

```
./snodecoin-cli masternode winners
```

2. Check number of current masternodes

```
./snodecoin-cli masternode count
```