

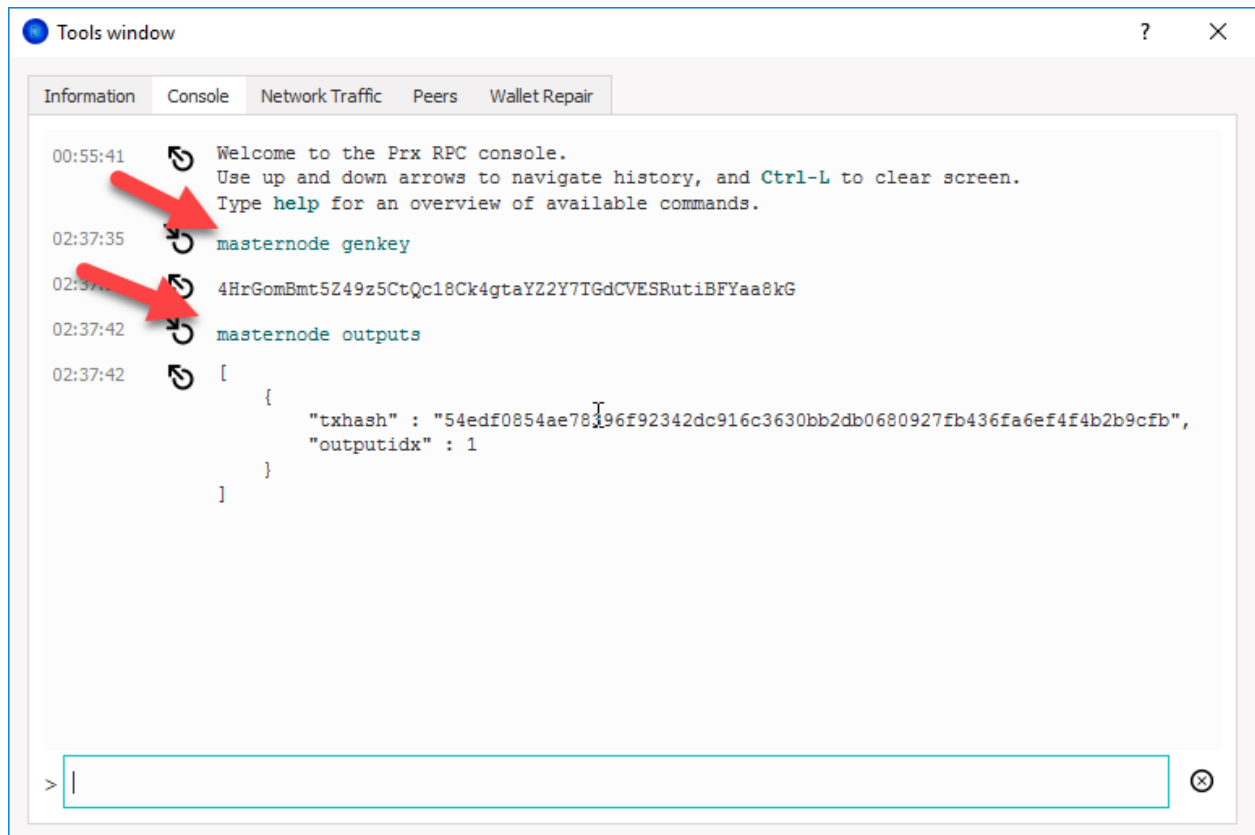
ProxyNode Masternode Guide

Requirements:

2,000 PRX coins
Ubuntu 16.04 VPS via Vultr
Local Wallet
Putty

Step 1: Local Wallet

- A. Download local wallet:
<https://github.com/ProxyNode/proxynode/releases/tag/v1.0.0>
- B. Create a new receiving address called mn1
- C. Send 2,000 PRX coins to that address
- D. Wait 20 confirmations
- E. After 20 confirmations, go to debug console
 - a. Get masternode key
 - i. Enter into console
 1. masternode genkey
 - b. Get taxid
 - i. Enter into console
 1. masternode outputs
 - c. Save all of this information, you will need it in Step 3 and Step 4



```
Tools window [?] [X]
Information Console Network Traffic Peers Wallet Repair
00:55:41 Welcome to the Prx RPC console.
          Use up and down arrows to navigate history, and Ctrl-L to clear screen.
          Type help for an overview of available commands.
02:37:35 masternode genkey
02:37:35 4HrGomBmt5Z49z5CtQc18Ck4gtaYZ2Y7IGdCVESRutiBFYaa8kG
02:37:42 masternode outputs
02:37:42 [
          {
            "txhash" : "54edf0854ae78396f92342dc916c3630bb2db0680927fb436fa6ef4f4b2b9cfb",
            "outputidx" : 1
          }
        ]
> | [X]
```

Step 2: VPS

- A. Create a Vultr account
 - a. Vultr: <https://www.vultr.com/>
- B. Create a server
 - a. Server Location: Tokyo
 - b. Server Type: Ubuntu 16.04 x64
 - c. Server Size: \$5/mo 25GB
 - d. Server hostname: mn1 (mn2,mn3...etc)
 - e. Deploy server

The screenshot displays the Vultr server creation process. Step 2, 'Server Type', shows various operating systems with 'Ubuntu 16.04 x64' selected. Step 3, 'Server Size', shows various configurations with the '\$5/mo 25GB SSD' option selected. Step 7, 'Server Hostname & Label', shows the hostname 'mn1' entered in both fields. At the bottom, the server quantity is set to 1, the total cost is \$5.00/mo, and a 'Deploy Now' button is visible.

2 Server Type

64 bit OS | 32 bit OS | Application | Upload ISO | ISO Library | Backup | Snapshot

CentOS Select Version	CoreOS Stable x64	Debian Select Version	Fedora Select Version
FreeBSD 11.2 x64	OpenBSD Select Version	Ubuntu 16.04 x64	Windows Select Version

3 Server Size

20 GB SSD \$2.50/mo \$0.004/h	20 GB SSD \$3.50/mo \$0.005/h	25 GB SSD \$5/mo \$0.007/h	40 GB SSD \$10/mo \$0.015/h
1 CPU 512MB Memory 500GB Bandwidth	1 CPU 512MB Memory 500GB Bandwidth	1 CPU 1024MB Memory 1000GB Bandwidth	1 CPU 2048MB Memory 2000GB Bandwidth
60 GB SSD \$20/mo \$0.03/h	100 GB SSD \$40/mo \$0.06/h	200 GB SSD \$80/mo \$0.119/h	300 GB SSD \$160/mo \$0.238/h

7 Server Hostname & Label

Enter server hostname: mn1 | Enter server label: mn1

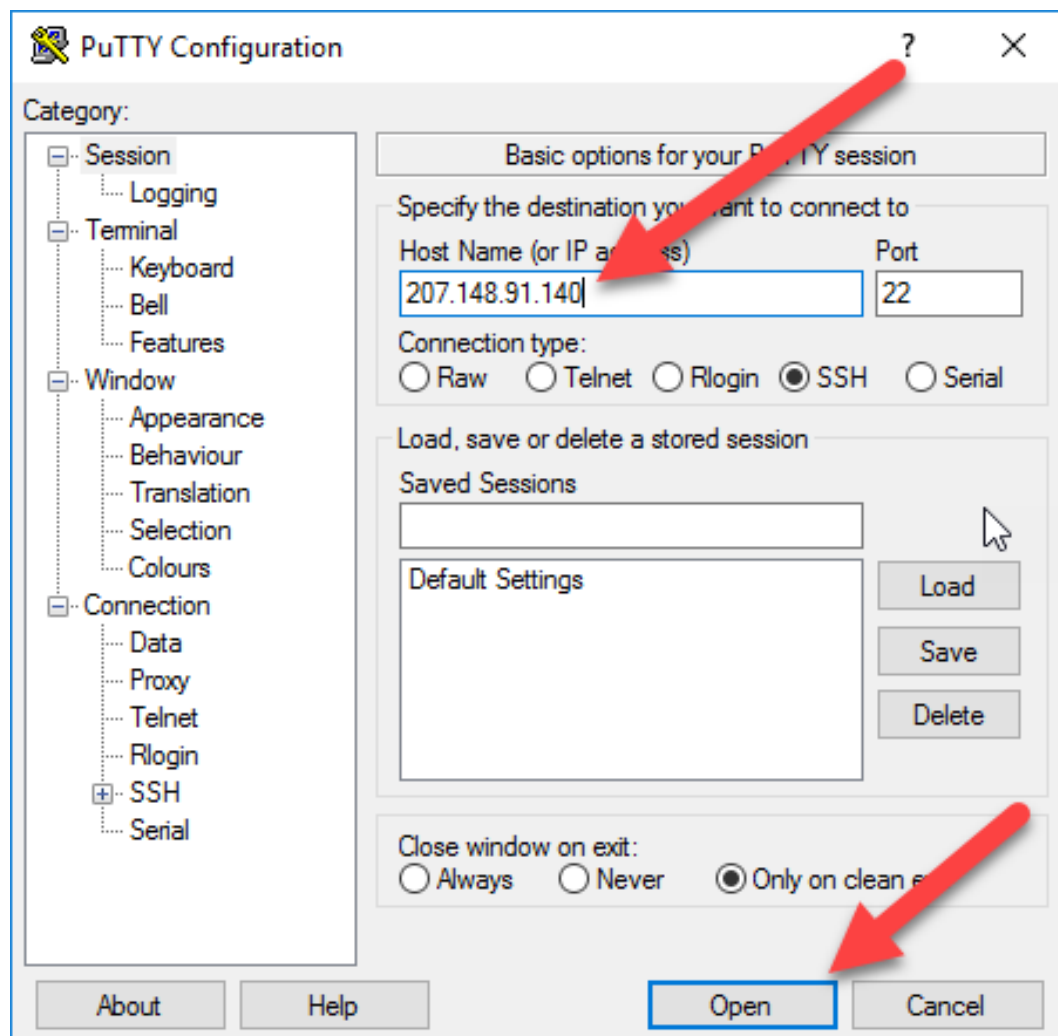
Servers Qty: - 1 + | Summary: **\$5.00/mo** (\$0.007/hr) | **Deploy Now**

Step 3: VPS

- A. Log into your VPS via putty
 - a. Download putty
 - i. <https://www.putty.org/>
 - b. IP: your VPS IP
 - c. Username:root
 - d. Pwd: Password provided by vultr

Vultr:

Location:	Tokyo	CPU:	1 vCore	Label:	mn1
IP Address:	207.148.91.140	RAM:	1024 MB	Tag:	[Click here to set]
Username:	root	Storage:	25 GB SSD	OS:	Ubuntu 16.04 x64
Password:	Bandwidth:	0 GB of 1000 GB		



B. Run masternode scripts

Copy and paste the below into the VPS command line:

First:

wget <https://raw.githubusercontent.com/ProxyNode/proxynode/master/proxynode-mn-install.sh>

Second:

sh proxynode-mn-install.sh

- a. Enter “y” when prompted, “do you want to install all needed dependencies”
- b. Wait until asked to “enter alias for new node”
- c. Enter alias for masternode
 - i. This can be anything, but write this down (you will need it later)
 - ii. We recommend you use mn1 (mn2,mn3,etc)
- d. Enter your Masternode Genkey from Step 1

```
root@mn1: ~
login as: root
root@207.148.91.140's password:
Welcome to Ubuntu 16.04.5 LTS (GNU/Linux 4.4.0-137-generic x86_64)

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

55 packages can be updated.
28 updates are security updates.

root@mn1:~# wget https://raw.githubusercontent.com/ProxyNode/proxynode/master/pr
oxynode-mn-install.sh
--2018-11-27 01:34:03-- https://raw.githubusercontent.com/ProxyNode/proxynode/m
aster/proxynode-mn-install.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.228.1
33
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.228.
133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 4205 (4.1K) [text/plain]
Saving to: 'proxynode-mn-install.sh'

proxynode-mn-instal 100%[=====>] 4.11K --.-KB/s in 0s
2018-11-27 01:34:03 (105 MB/s) - 'proxynode-mn-install.sh' saved [4205/4205]

root@mn1:~# sh proxynode-mn-install.sh
*****
* Ubuntu 16.04 is the recommended operating system for this install. *
* This script will install and configure your Proxynode masternodes. *
* IPv6 will be used if available *
*****

!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!
!
! Make sure you double check before hitting enter !
!
!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!!

Do you want to install all needed dependencies (no if you did it before)? [y/n]
y
```

```

root@mn1: ~
Rules updated (v6)
Rules updated
Rules updated (v6)
Logging enabled
Command may disrupt existing ssh connections. Proceed with operation (y|n)? Fir
Status: active

To          Action      From
--          -
22/tcp      LIMIT      Anywhere
22/tcp (v6) LIMIT      Anywhere (v6)

proxynode-mn-install.sh: 56: proxynode-mn-install.sh: source: not found
% Total    % Received % Xferd  Average Speed   Time    Time     Time  Current
           %             %         Dload  Upload   Total   Spent    Left   Speed
100    14    0    14    0    0    9    0  --:--:--  0:00:01  --:--:--  9

Configure your masternodes now!
Detecting IP address:207.148.91.140

Enter IP address for new node
mn1

Enter port for node mn1
Just press enter

Enter masternode private key for node mn1
4HrGomBmt5Z49z5CtQc18Ck4gtaYZ2Y7TGdCVESRutiBFYaa8kG

```

Step 4: Local Wallet

A. Configure masternode.conf file

a. Open file in wallet:

- i. Tools/Open Masternode Configuration File
- ii. Enter details from Step 1 in the format below

Format:

alias IP:port masternodeprivkey collateral_output_txid collateral_output_index

Example:

mn1 207.148.91.140:12195 4HrGomBmt5Z49z5CtQc18Ck4gtaYZ2Y7TGdCVESRutiBFYaa8kG54edf0854ae78396f92342dc916c3630bb2db0680927fb436fa6ef4f4b2b9cfb 1

iii. Save and close wallet

iv. Reopen wallet

B. Start Masternode

- a. Open Local Wallet
- b. Go to masternode tab
- c. Click on the masternode you want to start
- d. Click start alias

Step 5: VPS

- A. Log back into your VPS
- B. Change directory
 - a. Enter below into the command line
 - i. `cd bin/`
- C. Check masternode status
 - a. `./prx-cli_mn1.sh masternode status`
 - b. If you named your masternode something other than mn1, replace that in the above command
 - c. For example, if your alias is mn2 then the command would be:
 - i. `./prx-cli-mn2.sh masternode status`

```
root@mn1:~/bin# ./prx-cli_mn1.sh masternode status
{
  "txhash" : "54edf0854ae78396f92342dc916c3630bb2db0680927fb436fa6ef4f4b2b9cf
b",
  "outputidx" : 1,
  "netaddr" : "207.148.91.140:12195",
  "addr" : "PFkoCr1is5qjU3nWBTWiH9Q9Eq4cPMtp3R",
  "status" : 4,
  "message" : "Masternode successfully started"
```

Congratulations you have created a masternode!

Other useful cli commands:

- A. Check masternode status
 - a. `./prx-cli_mn1.sh masternode status`
- B. Get VPS info
 - a. `./prx-cli_mn1.sh getinfo`
- C. Check VPS Block Count
 - a. `./prx-cli_mn1.sh getblockcount`
- D. Stop masternode
 - a. `./prx-cli_mn1.sh stop`
 - b. `./prx-cli_mn1.sh -daemon -staking`
- E. Restart masternode
 - a. `./prx-cli_mn1.sh startmasternode alias 0 mn1`
 - b. `./prx-cli_mn1.sh startmasternode local 0`