Installing Ragnarok Masternodes on Ubuntu 16.04 VPS

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I. Download Windows Wallet

➢ Download wallet from **Ragnarok Wallet** and run **ragnarok-qt.exe**

➢ Click on File -> Receiving Address -> New -> Fill Label=MN1 Then OK

➢ Click on   File -> Receiving Address -> Copy that MN1 Address

➢ Send MN collateral to the copied address

➢ While Waiting for the Collateral to get 15 confirmation, you can do VPS section below
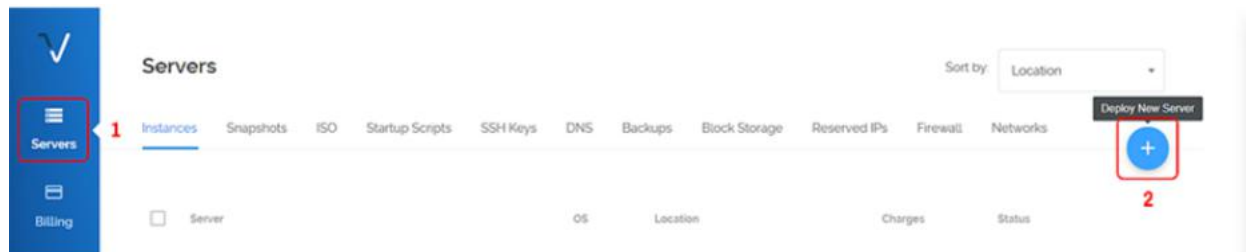
II. Choose a host for your Masternode VPS

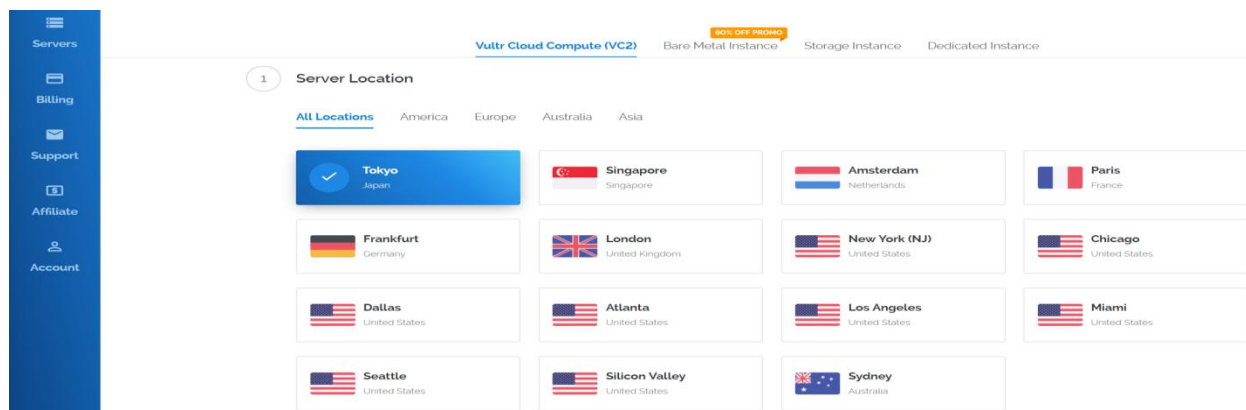There are many VPS hosts, feel free to choose any one you like.

For this guide, I'm going to use Vultr VPS and full disclosure:

➢ Register and Sign in to **Vultr**

➢ You can also use **DigitalOcean**

➢ **Setup New VPS**

➢ **Select Location**

➢ Select Server Type: Ubuntu 16.04

② Server Type

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

| ✓ CentOS 7 x64 | CoreOS Stable x64 | Debian Select Version | Fedora Select Version |

| FreeBSD Select Version | OpenBSD 6.3 x64 | Ubuntu Select Version | Windows Select Version |

18.04 x64
16.04 x64
14.04 x64

➢ Select Server Size: $5/Month

③ Server Size

IPv6 ONLY 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
2 CPU 4096MB Memory 3000GB Bandwidth	4 CPU 8192MB Memory 4000GB Bandwidth	6 CPU 16384MB Memory 5000GB Bandwidth	8 CPU 32768MB Memory 6000GB Bandwidth

➢ Type Host Name, Server Qty and Deploy now

⑧ Server Hostname & Label

Enter server hostname
RAGNA1
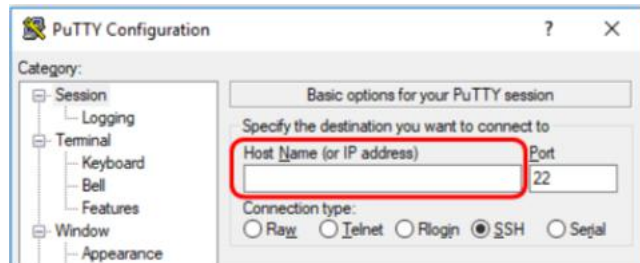
Enter server label
RAGNA1
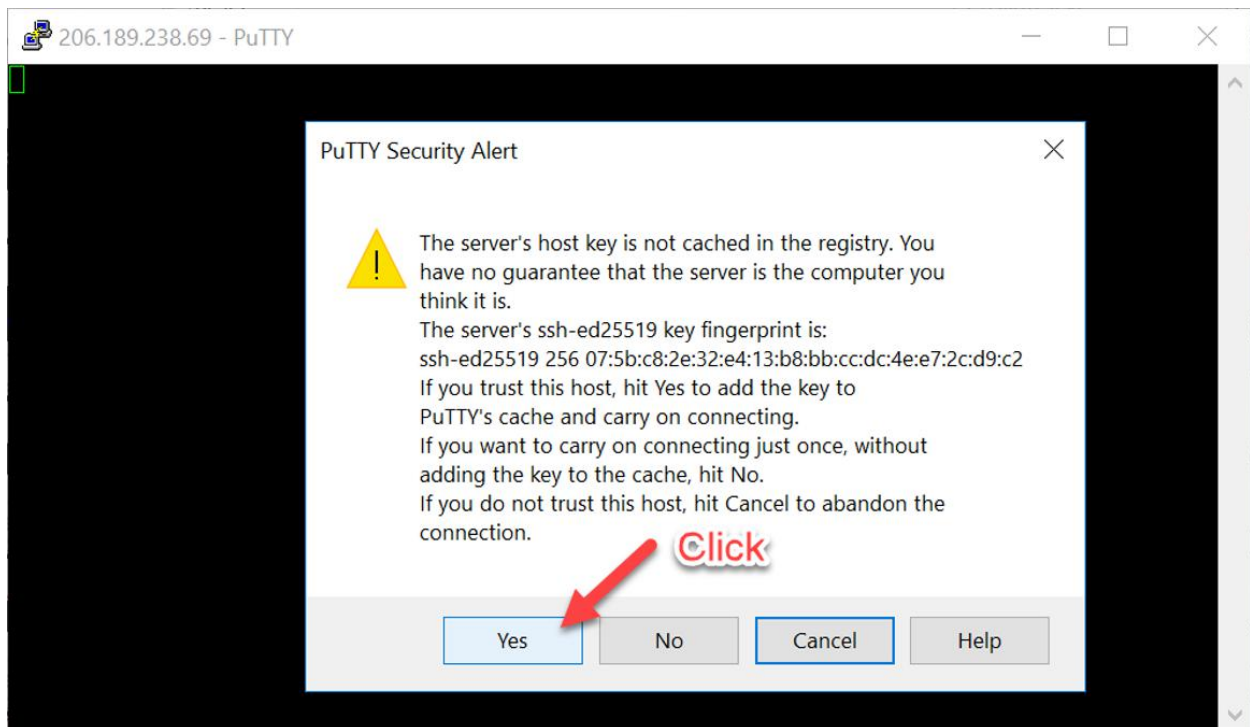
Servers Qty:
− 1 +

Summary:
$5.00/mo ($0.007/hr)

Deploy Now

III. Download and open PuTTY

> **Fill your RAGNA1 IP Address to PuTTY window and Click Open**

> **Fill the user and password to PuTTY**

IV. Installing Masternode on VPS using PuTTY

Once logged in, enter the following commands by copying them and Right Clicking within the PuTTY terminal to paste them.

wget https://raw.githubusercontent.com/ragnaproject/mnscripts/master/ragna_install.sh

chmod +x ragna_install.sh

./ragna_install.sh

Press enter after each command, the script should start installing your masternode while waiting we can proceed to Windows/Mac/ Local wallet


```
Searching and removing old Ragnarok files and configurations
* Done
Preparing the VPS to setup. Ragnarok Masternode
```

This may take a while after it finish doing it thing you should see something like this


```
Enter your Ragnarok Masternode GEN Key. Or Press enter generate New Genkey
```

Open your local wallet click on **tools -> debug console** then type **masternode genkey** and you should get something like


```
22:31:08    masternode genkey
22:31:08    4bP7xx7JxvYX2oDGCryUc6qqNLdHwLDsialg5BiZGLUywhwgqdH
```

Copy and paste that on your VPS and it will continue then you should see something like this

Use this command to check that your VPS is fully synced **ragnarok-cli getinfo** or you can use **watch ragnarok-cli getinfo** this will show you the sync process and it updated every 2 secs.

After you confirm it fully synced you can follow the steps below to start your masternode

V. Configuring masternode conf file

click on **Tools** -> **Open Masternode Configuration File**

Then fill your masternode details in this format

Mn alias <ip>:8853 masternodeprivkey Mnoutput-txid   index

Mn alias = Any name you want the masternode to be

Change <ip> to your VPS IP

masternodeprivkey you can get this by clicking on **Tools** -> **Debug Console** then type **masternode genkey** and replace **masternodeprivkey** with the output.

Mnoutputs-txid you can get this by clicking on   **Tools** -> **Debug Console** then type **masternode outputs**   and replace   **Mnoutputs-txid** with the long one

Index this is the short part at the end of what you get when you use the command **masternode outputs** this is mostly 1 digit

If you follow the steps it should look like this

```
mn1 127.0.0.1:8853 93HaYBVUCYjEMeeH1Y4sBGLALQZE1Yc1K64xiqgX37tGBDQL8Xg 2bcd3c84c84f87eaa86e4e56834c92927a07f9e18718810b92e0d0324456a67c 0
```

After that close the wallet and open it again and wait for it to sync, after it fully synced follow the step below

VI. Starting Masternode

Click on **Tools** -> **Debug Console** (in console type **startmasternode alias false <name>** replace **<name>** with your masternode alias and press enter for example **startmasternode alias false mn1**)

You should get a message about MN started successfully.

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

After this Go back to VPS and use the commands below to check if masternode is up and running

ragnarok-cli masternode status   it should show like the one below

```
"message" : "Masternode successfully started"
```

If that is correct then you are good to go

If you run into any If you get stuck, have questions join our Discord or tweet to us on twitter

Twitter   **Discord**

Ragnarok Official Links

Website : https://ragnaproject.io

Explorer : https://chain.ragnaproject.io

Discord : https://discord.gg/hs22mER

Github : https://github.com/ragnaproject/Ragnarok

Twitter : https://twitter.com/ragnaofficial

Announcement : BitcoinTalk Announcement