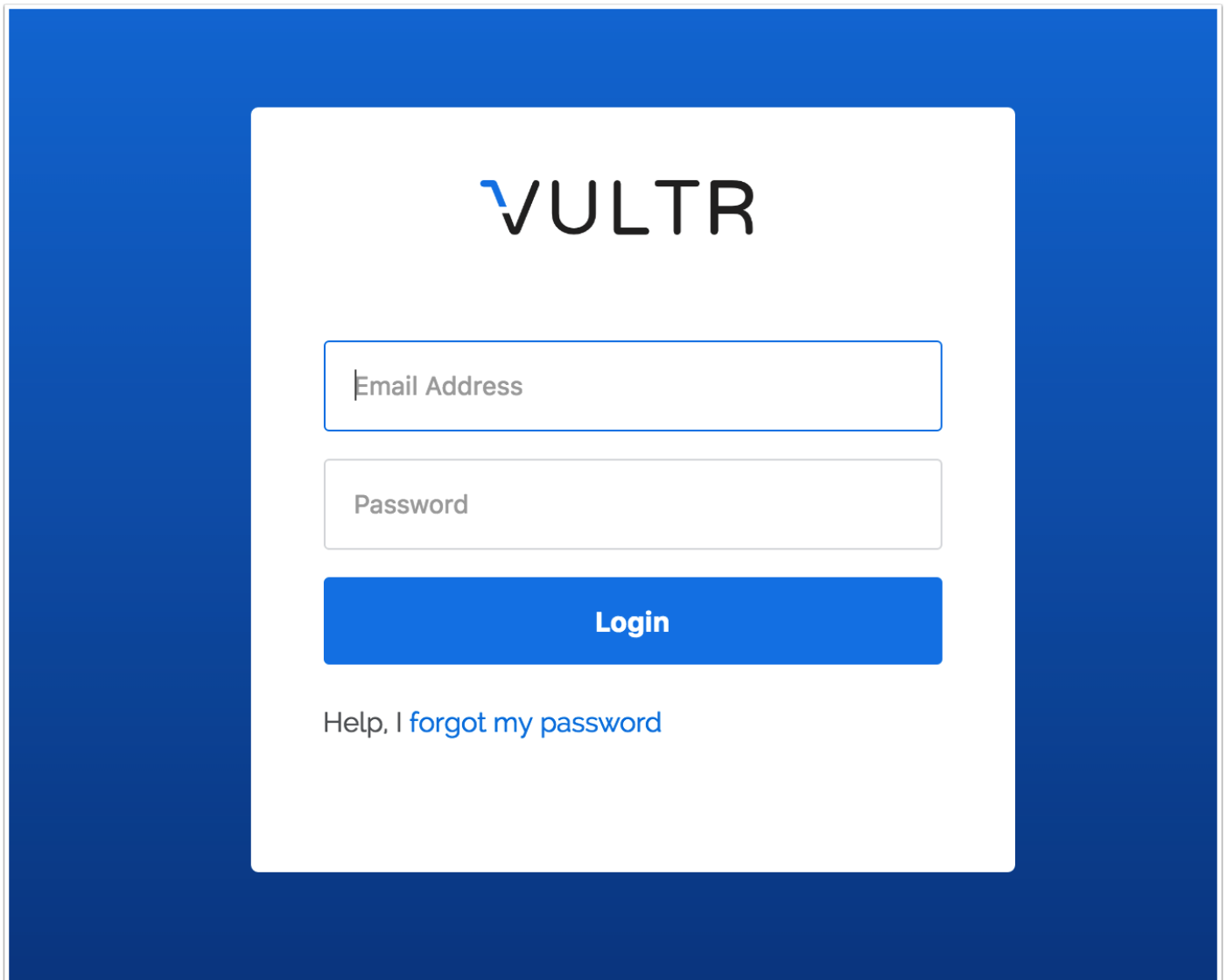

VULTR Login

Register / login with vultr. Feel free to use my reflink <http://www.vultr.com/?ref=6929414-3B>

The image shows a login form for VULTR. It is centered on a white background with a blue border. At the top is the VULTR logo. Below it are two input fields: 'Email Address' and 'Password'. A blue 'Login' button is positioned below the password field. At the bottom, there is a link that says 'Help, I forgot my password'.

Deploy a new system

✓

Servers

Billing

Support

Affiliate

Account

Servers

Sort by: Location

add a new instance

Instances

Snapshots

ISO

Startup Scripts

SSH Keys

DNS

Backups

Block Storage

Reserved IPs

Server	OS	Location	Charges	Status
<input type="checkbox"/> dnetmaster 768 MB Server -		Amsterdam	\$6.00	Running
<input type="checkbox"/> dnetmaster2 768 MB Server -		Amsterdam	\$6.00	Running
<input type="checkbox"/> synxmaster 768 MB Server -		Frankfurt	\$6.00	Running
<input type="checkbox"/> compiler 1024 MB Server -		Frankfurt	\$7.25	Running

Restart

Stop

Location

Choos a location next to you

Deploy New Instance

Vultr Cloud Compute (VC2)

Storage Instance

Dedicated Instance

1 Server Location

choose a location next to you

All Locations

America

Europe

Australia

Asia

Paris
France

Amsterdam
Netherlands

Frankfurt
Germany

London
United Kingdom

Dallas
United States

Atlanta
United States

Silicon Valley
United States

Chicago
United States

Los Angeles
United States

Miami
United States

New York (NJ)
United States

Seattle
United States

Page 2

Distribution

Select Ubuntu 16.04

2

Server Type

64 bit OS


32 bit OS

Application


Backup

Custom ISO


Snapshot




CentOS
SELECT VERSION




CoreOS
Stable x64



Debian
SELECT VERSION



FreeBSD
10 x64




Ubuntu
SELECT VERSION


16.04 x64

14.04 x64

12.04 x64

select Ubuntu 16.04





Windows
2012 R2 x64

\$16/mo

Server Size

The \$5 instance is perfect for up to 5 masternodes.

3

Server Size

good for up to 5 nodes

15 GB SSD

\$5/mo

\$0.007/h

1 CPU

768MB Memory

1000GB Bandwidth

20 GB SSD

\$10/mo

\$0.015/h

1 CPU

1024MB Memory

2000GB Bandwidth

150 GB SSD

\$80/mo

\$0.119/h

6 CPU

8192MB Memory

5000GB Bandwidth

300 GB SSD

\$160/mo

\$0.238/h

8 CPU

16384MB Memory

6000GB Bandwidth

Enable Features

Toggle "Enable IPv6"

4

Additional Features

at least toggle this

- ☒ Enable IPv6
- ☐ Enable Private Network [?]
- ☐ Enable Auto Backups \$1.00/mo
- ☐ Enable DDOS Protection [?] \$10/mo

Hostnames and Deploy

Choose how many instances you want and click "Deploy Now".

7

Server Hostname & Label

Enter server 1 hostname masternodes1	Enter server 1 label masternodes1
Enter server 2 hostname masternodes2	Enter server 2 label masternodes2
Enter server 3 hostname masternodes3	Enter server 3 label masternodes3

Servers Qty:
- 3 +

Summary:
\$15.00/mo (\$0.022/hr)


Deploy Now

if you need multiple systems ...



click to deploy

SSH Access

Copy access credentials for SSH access by opening the server details.



Server Information (dnetmaster)

 Amsterdam  Ubuntu 16.04 x64


[Overview](#) [Usage Graphs](#) [Settings](#) [Snapshots](#) [Backups](#) [DDOS](#)


Bandwidth Usage


75.2GB/1000GB

CPU Usage



5%



Location:  Amsterdam

IP Address: 

Username: root

Password:  

CPU: 1 vCore

Ram: 768 MB

Storage: 15 GB SSD

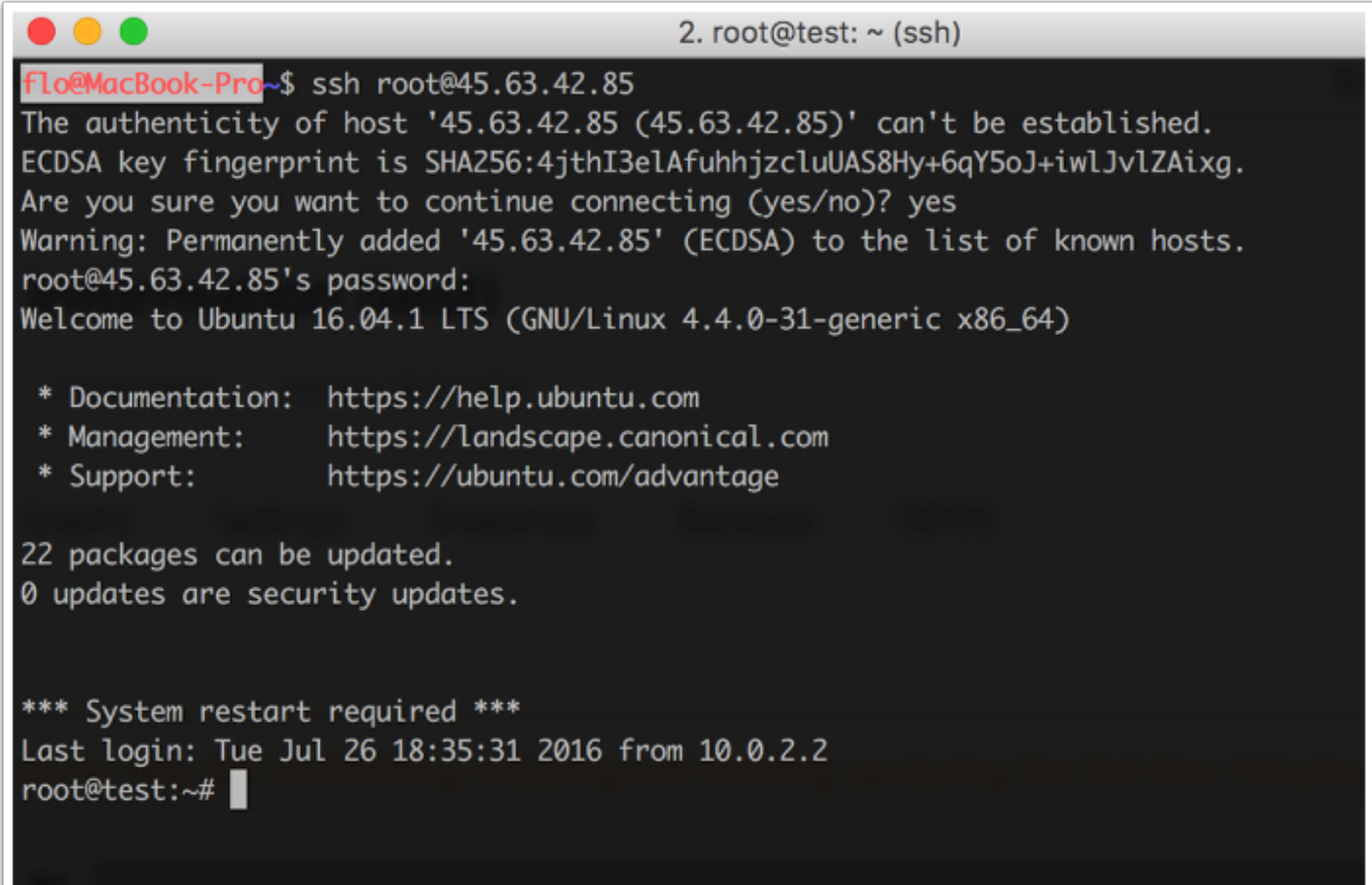
Bandwidth: 75.2 GB of 1000 GB (8%)

[\(Show details\)](#)

copy password for access

SSH session

Login to your newly installed node as "root".



```
2. root@test: ~ (ssh)
Flo@MacBook-Pro~$ ssh root@45.63.42.85
The authenticity of host '45.63.42.85 (45.63.42.85)' can't be established.
ECDSA key fingerprint is SHA256:4jthI3eIAfuhhjzcluUAS8Hy+6qY5oJ+iwLJvLZAixg.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '45.63.42.85' (ECDSA) to the list of known hosts.
root@45.63.42.85's password:
Welcome to Ubuntu 16.04.1 LTS (GNU/Linux 4.4.0-31-generic x86_64)

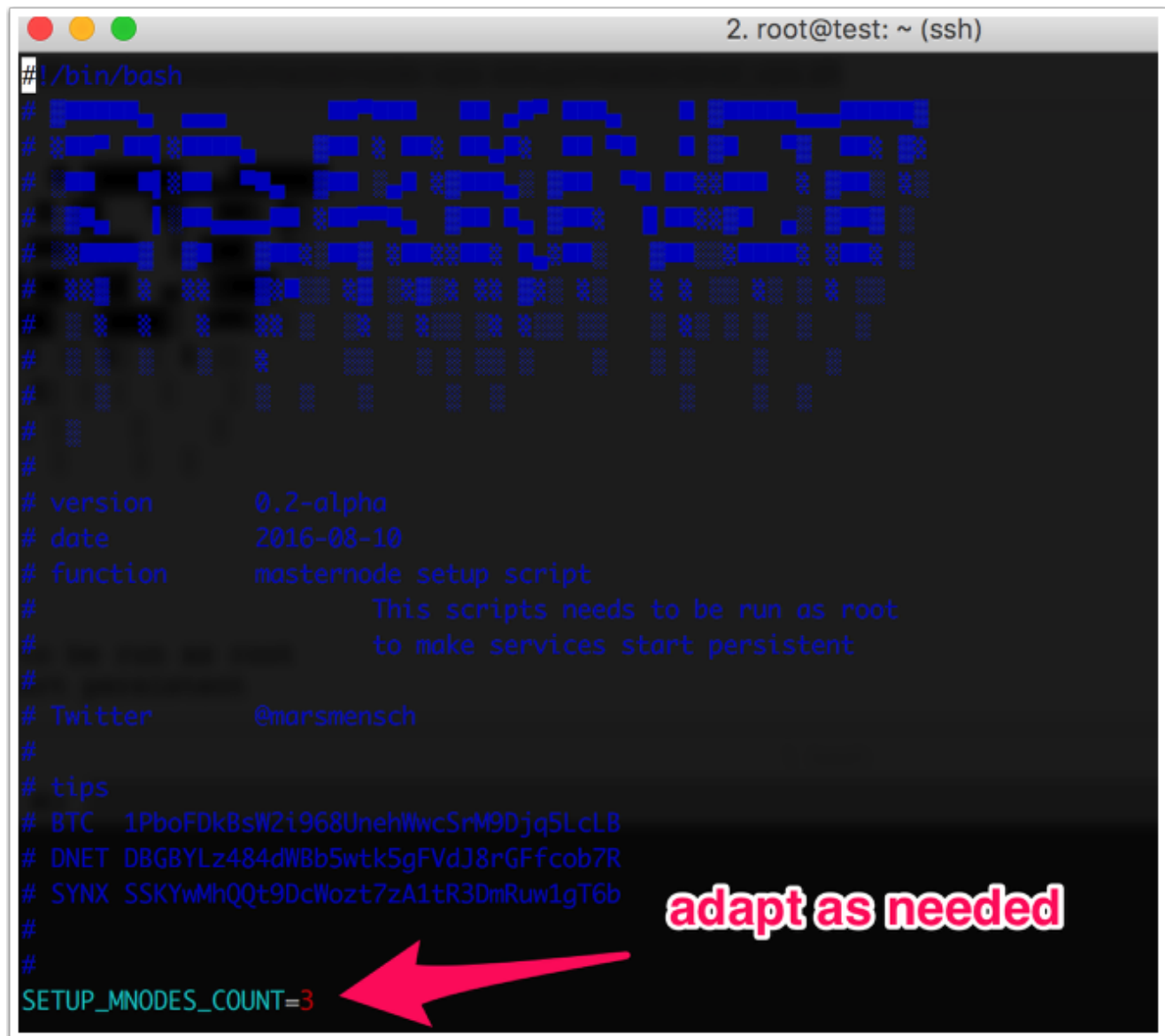
 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

22 packages can be updated.
0 updates are security updates.

*** System restart required ***
Last login: Tue Jul 26 18:35:31 2016 from 10.0.2.2
root@test:~#
```

Masternode amount

Download the current stable masternode-vps script at https://raw.githubusercontent.com/marismensch/masternode-vps-setup/master/dnet_vps.sh. Open the script with an editor and edit the variable to the desired number of masternodes. The default is 3 masternodes.



```
#!/bin/bash
#
#
#
#
#
#
#
#
#
# version      0.2-alpha
# date         2016-08-10
# function      masternode setup script
#
#              This scripts needs to be run as root
#              to make services start persistent
#
#
# Twitter      @marismensch
#
# tips
# BTC 1PboFDkBsW2i968UnehWwcSrM9Djq5LcLB
# DNET DBGBYLz484dWBb5wtk5gFVdJ8rGFfcob7R
# SYNX SSKYwMhQQt9DcWozt7zA1tR3DmRuw1gT6b
#
#
#
SETUP_MNODES_COUNT=3
```

adapt as needed

Installation

Run the script now. The initial compilation of DNET will take a while

https://raw.githubusercontent.com/marasmensch/masternode-vps-setup/master/dnet_vps.sh

```
2. root@test: ~ (ssh)
root@test:~# wget https://raw.githubusercontent.com/marasmensch/masternode-vps-setup/master/dnet_vps.sh
--2016-08-31 14:28:19-- https://raw.githubusercontent.com/marasmensch/masternode-vps-setup/master/dnet_vps.sh
Resolving raw.githubusercontent.com (raw.githubusercontent.com)... 151.101.36.133
Connecting to raw.githubusercontent.com (raw.githubusercontent.com)|151.101.36.133|:443... connected.
HTTP request sent, awaiting response... 200 OK
Length: 11189 (11K) [text/plain]
Saving to: 'dnet_vps.sh'

dnet_vps.sh          100%[=====>] 10.93K  --.-KB/s    in 0s

2016-08-31 14:28:19 (81.6 MB/s) - 'dnet_vps.sh' saved [11189/11189]

root@test:~# vim dnet_vps.sh
root@test:~# bash dnet_vps.sh
@marasmensch)2016


3000+0 records in
3000+0 records out
3145728000 bytes (3.1 GB, 2.9 GiB) copied, 6.49325 s, 484 MB/s
Setting up swap space version 1, size = 3 GiB (3145723904 bytes)
no label, UUID=9f2bc555-a073-414d-9c62-501454bb0ec9
Package installation!
```

get a coffee now ...

Finished

The script will output lots of boring stuff and the DNET ascii banner when done.

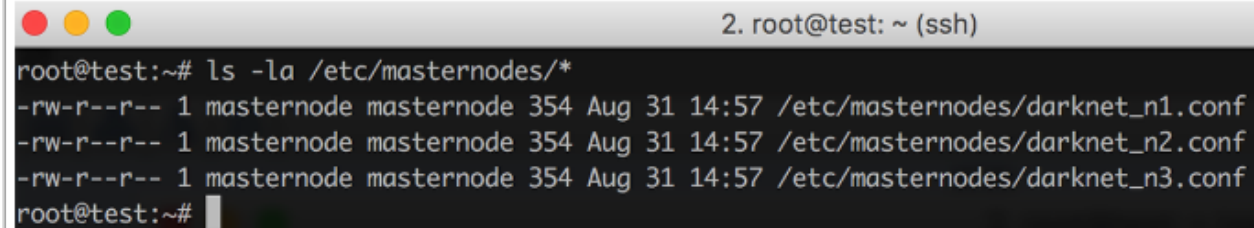
```
Found linux image: /boot/vmlinuz-4.4.0-31-generic  
Found initrd image: /boot/initrd.img-4.4.0-31-generic  
done  
W: --force-yes is deprecated, use one of the options starting with --allow instead.  
kernel.randomize_va_space = 1  
net.ipv4.conf.all.rp_filter = 1  
net.ipv4.conf.all.accept_source_route = 0  
net.ipv4.icmp_echo_ignore_broadcasts = 1  
net.ipv4.conf.all.log_martians = 1  
net.ipv4.conf.default.log_martians = 1  
net.ipv4.conf.all.accept_redirects = 0  
net.ipv6.conf.all.accept_redirects = 0  
net.ipv4.conf.all.send_redirects = 0  
kernel.sysrq = 0  
net.ipv4.tcp_timestamps = 0  
net.ipv4.tcp_syncookies = 1  
net.ipv4.icmp_ignore_bogus_error_responses = 1  
There is still work to do in the configuration templates.  
These are located at /etc/masternodes, one per masternode.  
Add your masternode private keys now.  
eg in /etc/masternodes/darknet_n1.conf
```



```
(@marsmenschen)2016  
root@test:~#
```

Configuration

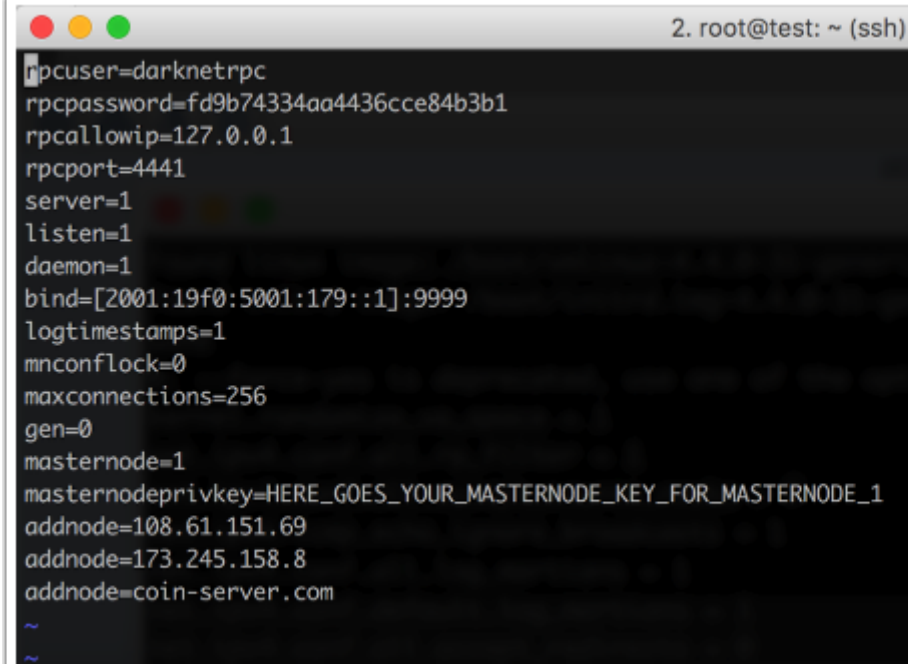
The generated configuration files are located at /etc/masternodes/. One file per masternode.



```
2. root@test: ~ (ssh)
root@test:~# ls -la /etc/masternodes/*
-rw-r--r-- 1 masternode masternode 354 Aug 31 14:57 /etc/masternodes/darknet_n1.conf
-rw-r--r-- 1 masternode masternode 354 Aug 31 14:57 /etc/masternodes/darknet_n2.conf
-rw-r--r-- 1 masternode masternode 354 Aug 31 14:57 /etc/masternodes/darknet_n3.conf
root@test:~#
```

Insert your masternode private key

In 99% you can use the generated settings as is. The only value you **MUST** change is the masternode private key, generated in your Controller wallet.



```
2. root@test: ~ (ssh)
rpcuser=darknetrpc
rpcpassword=fd9b74334aa4436cce84b3b1
rpcallowip=127.0.0.1
rpcport=4441
server=1
listen=1
daemon=1
bind=[2001:19f0:5001:179::1]:9999
logtimestamps=1
mnconflock=0
maxconnections=256
gen=0
masternode=1
masternodeprivkey=HERE_GOES_YOUR_MASTERNODE_KEY_FOR_MASTERNODE_1
addnode=108.61.151.69
addnode=173.245.158.8
addnode=coin-server.com
~
~
```

Start your new masternodes

A script to enable masternode start at boot and local process monitoring has been created at `/usr/local/bin/restart_maternodes.sh` for your convenience. Run it after you finished configuration.

```
root@test:~# /usr/local/bin/restart_masternodes.sh
Created symlink from /etc/systemd/system/multi-user.target.wants/darknet_n1.service to /etc/systemd/system/darknet_n1.service.
Created symlink from /etc/systemd/system/multi-user.target.wants/darknet_n2.service to /etc/systemd/system/darknet_n2.service.
Created symlink from /etc/systemd/system/multi-user.target.wants/darknet_n3.service to /etc/systemd/system/darknet_n3.service.
```

The END

To activate your new node in the Controller wallet, add the bind address entries with port to a file called "masternode.conf" as usual.

MN1 [2002:470:1111:1a4:50]:51472 KEY TX OUTPUT

MN1 [2003:470:1111:1a4:50]:51472 KEY TX OUTPUT

.....