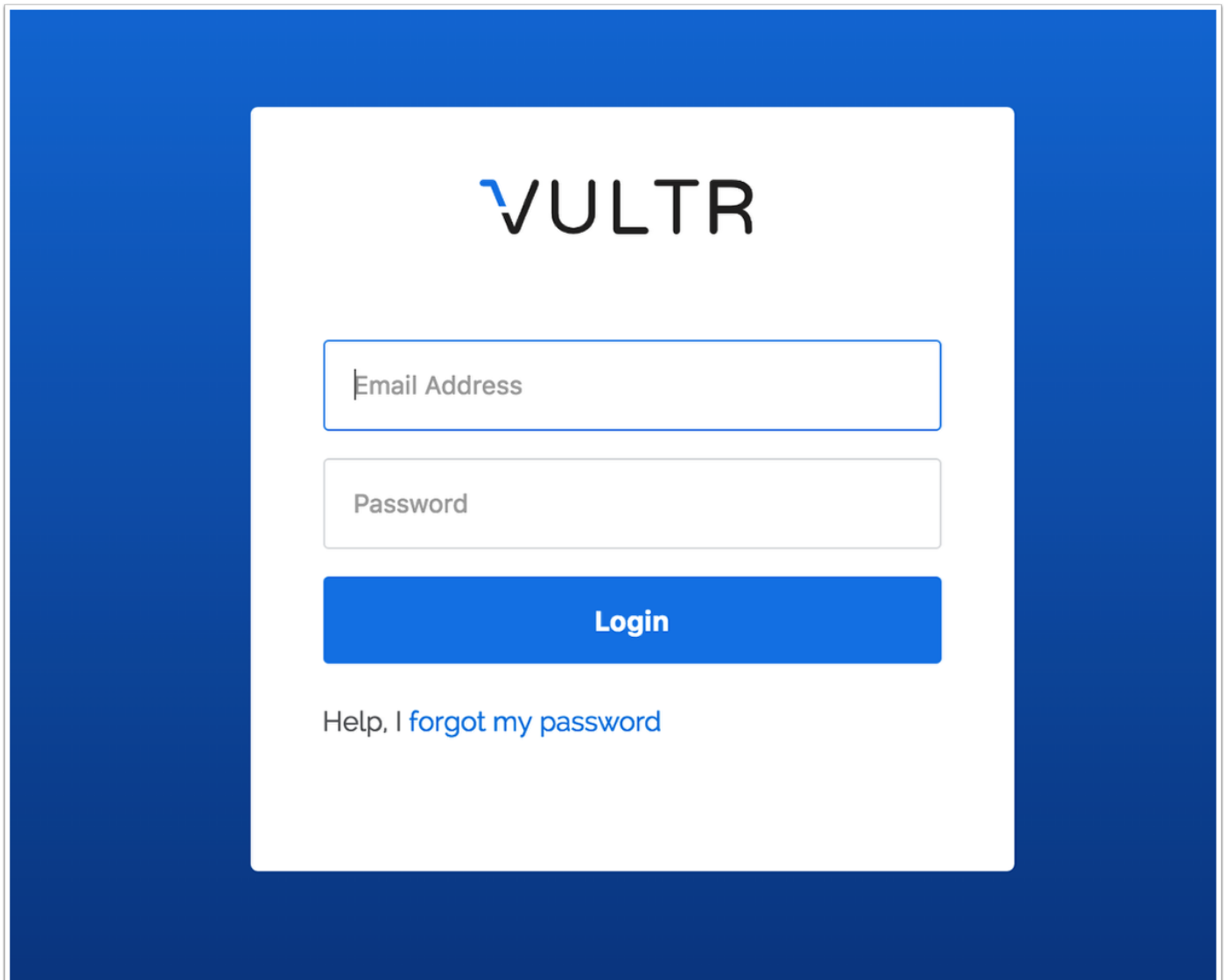


---

## 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

Instances

Snapshots

ISO

Startup Scripts

SSH Keys

DNS

Backups

Block Storage

Reserved IPs

Sort by: Location

add a new instance

+

Server	OS	Location	Charges	Status
<input type="checkbox"/>		Amsterdam	\$6.00	● Running
<input type="checkbox"/>		Amsterdam	\$6.00	● Running
<input type="checkbox"/>		Frankfurt	\$6.00	● Running
<input type="checkbox"/>		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

# 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)


click to deploy

Deploy Now

if you need multiple systems ...

## 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:

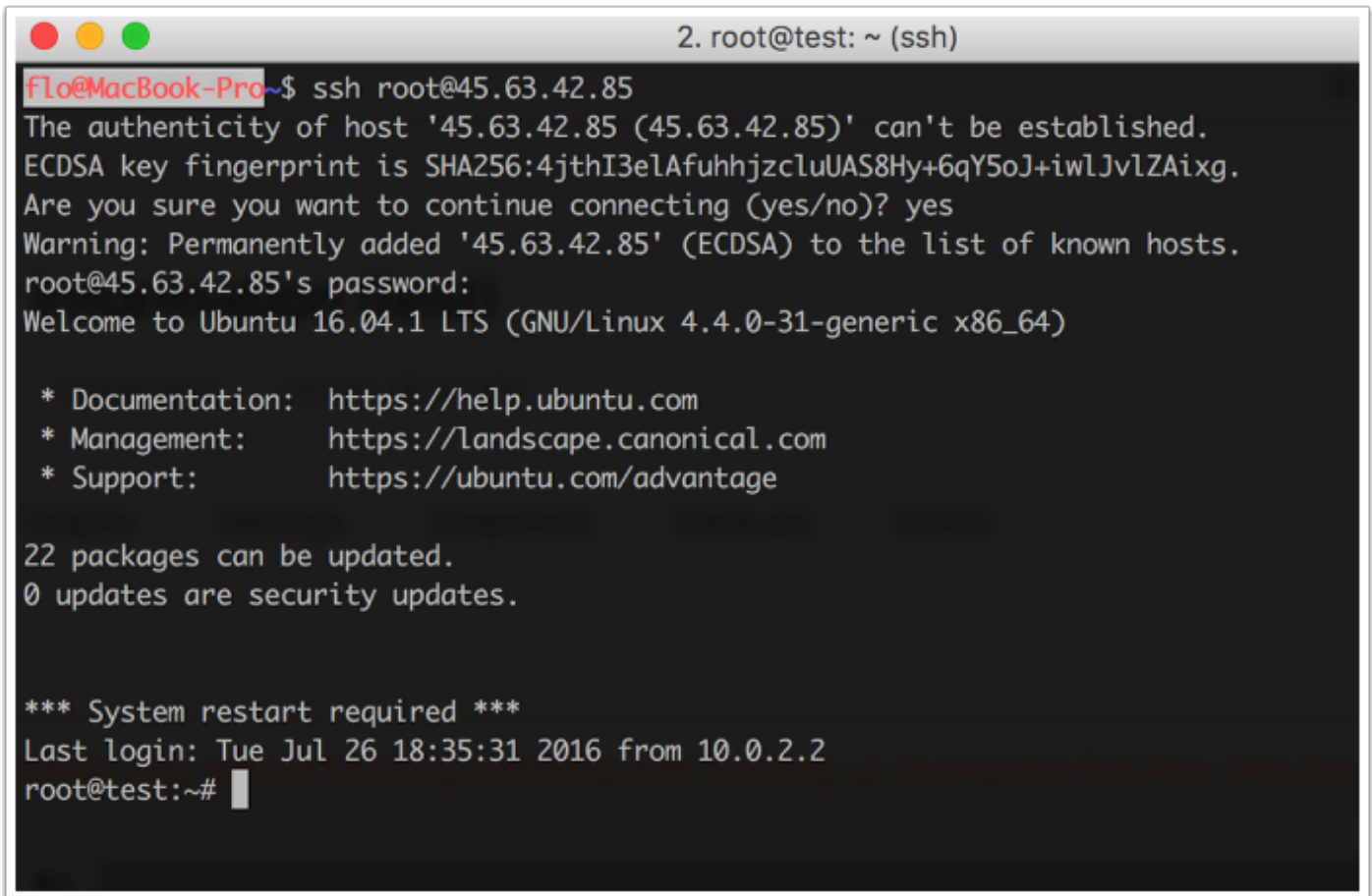
75.2 GB of 1000 GB (8%)

(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/marsmenschen/masternode-vps-setup/master/dnet\\_vps.sh](https://raw.githubusercontent.com/marsmenschen/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.

[illegible]

## Installation

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

[https://raw.githubusercontent.com/marismensch/masternode-vps-setup/master/dnet\\_vps.sh](https://raw.githubusercontent.com/marismensch/masternode-vps-setup/master/dnet_vps.sh)

```

2. root@test: ~ (ssh)
root@test:~# wget https://raw.githubusercontent.com/marismensch/master/node-vps-setup/master/dnet_vps.sh
--2016-08-31 14:28:19-- https://raw.githubusercontent.com/marismensch/master/node-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
[ASCII art logo consisting of a grid of characters forming a stylized 'dnet' and 'vps' text]
(@marismensch)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!


```



## 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
```

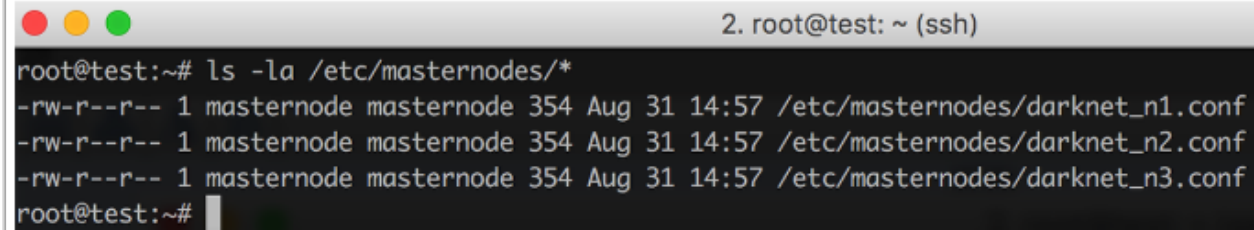


(@marsmenschen)2016

```
root@test:~#
```

## Configuration

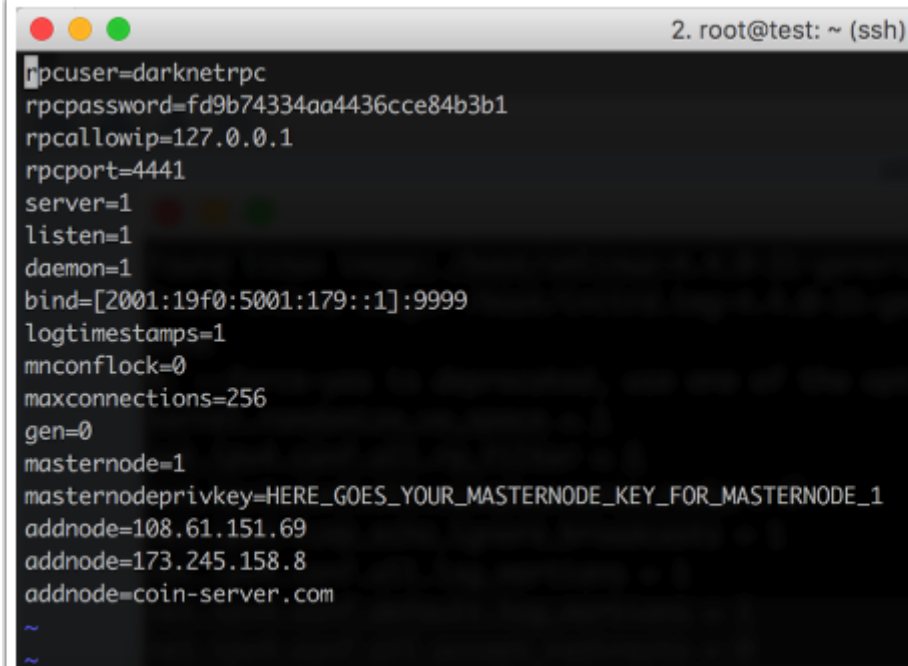
The generated configuration files are located at /etc/masternodes/. One file per masternode.



```
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

.....