



# /Post-It

Independent Study: **DigitalOcean**



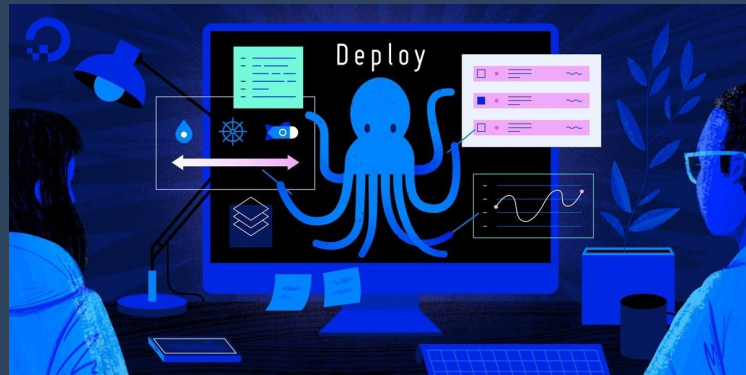
DigitalOcean

Project Group 19



## What is DigitalOcean?

- American cloud infrastructure provider organization.
- It is a cloud computing vendor that offers an Infrastructure as a Service (IaaS) platform for software developers.
- It is very popular with open source developers and competes with Amazon Web Services (AWS) and Google Compute Engine.





# How we used DigitalOcean?

- **Create a Droplet**

- Droplets are Linux-based virtual machines (VMs) that run on top of virtualized hardware.
- Each Droplet you create is a new server you can use, either standalone or as part of a larger, cloud-based infrastructure.


## Create Droplets


Choose an image ?


[Distributions](#)


[Container distributions](#) [Marketplace](#) [Custom images](#)


  
Ubuntu  
20.04 (LTS) x64 ▾

  
FreeBSD  
Select version ▾

  
Fedora  
Select version ▾

  
Debian  
Select version ▾

  
CentOS  
Select version ▾

  
Rocky Linux  
Select version ▾

## Choose a plan

[Help me choose](#) 

SHARED CPU

Basic

DEDICATED CPU

General Purpose	CPU-Optimized	Memory-Optimized	Storage-Optimized
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Basic virtual machines with a mix of memory and compute resources. Best for small projects that can handle variable levels of CPU



# How we used DigitalOcean?

- **Droplet is Ready**

- Cloud server is up and running on IPV4: 167.99.190.7.





# How we used DigitalOcean?

- **Launch Droplet Console**

- Use the Droplet Console for native-like terminal access to your Droplet from your browser.
- Log-in as the root user.

Graphs

**Access**

Power

Volumes

Resize

Networking

Backups

Snapshots

Kernel

Droplet Console

Use the Droplet Console for native-like terminal access to your Droplet from your browser. Here is [the list of supported OSes](#) for the new console.

Log in as...  
root

Launch Droplet Console



# How we used DigitalOcean?

- Use the Connected Ubuntu Terminal
  - Update npm and node to the most recent version to match project compatibility.

```
cloud.digitalocean.com
Welcome to Ubuntu 20.04.4 LTS (GNU/Linux 5.4.0-107-generic x86_64)

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

System information as of Wed Apr 27 17:46:55 UTC 2022

System load:  0.0           Users logged in:      1
Usage of /:   13.0% of 24.06GB IPv4 address for eth0: 167.99.190.7
Memory usage: 25%          IPv4 address for eth0: 10.20.0.6
Swap usage:   0%           IPv4 address for eth1: 10.118.0.3
Processes:   108

7 updates can be applied immediately.
1 of these updates is a standard security update.
To see these additional updates run: apt list --upgradable

*** System restart required ***
Last login: Wed Apr 27 05:14:06 2022
root@ubuntu-s-1vcpu-1gb-tor1-01:~#
```



# How we used DigitalOcean?

- **Run App on DigitalOcean Console**

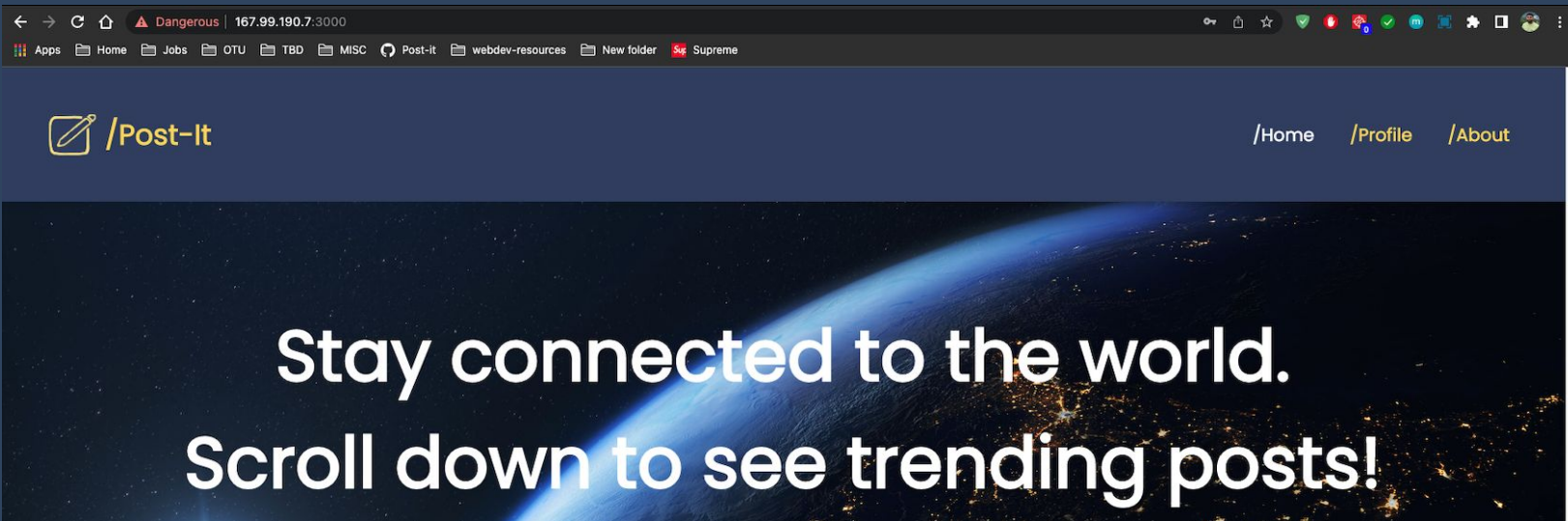
- Use the Ubuntu terminal and run the project commands normally as you would locally.

```
cloud.digitalocean.com
[0] img/inspiration.b5e2a40e.jpeg (3.79 MiB)
[0] img/memories.30d3287e.jpeg (1.81 MiB)
[0] img/positivity.785adedf.jpeg (1.01 MiB)
[0] js/about.c9d041f6.js (560 KiB)
[0] img/log-in.5803bc3b.jpeg (2.04 MiB)
[0] img/sign-up.ebb3fb6a.jpeg (1.89 MiB)
[0]
[0] File                               Size                               Gzipped
[0]
[0] dist/js/about.c9d041f6.js          559.86 KiB                        150.36 KiB
[0] dist/js/chunk-vendors.8ec6d352.js 165.49 KiB                        57.95 KiB
[0] dist/js/app.8c5d6373.js           27.91 KiB                         10.10 KiB
[0] dist/css/app.536a0071.css          12.57 KiB                         2.66 KiB
[0] dist/css/about.b317d5c3.css        6.49 KiB                          1.45 KiB
[0]
[0] Build at: 2022-04-27T05:28:10.300Z - Hash: 0988e0a9f1f7cfff0 - Time: 48286ms
[0]
[0] DONE Build complete. The dist directory is ready to be deployed.
[0] INFO Check out deployment instructions at https://cli.vuejs.org/guide/deployment.html
[0]
[0] npm run client exited with code 0
```



## How we used DigitalOcean?

- **Post-It is now Deployed on a Public IP**
  - Follow link: 167.99.190.7:3000 to view running app.



**PUBLIC IP ADDRESS**  
167.99.190.7

**GATEWAY:**  
167.99.176.1

**NETMASK:**  
255.255.240.0

Connected (encrypted) to: QEMU (Droplet-297301753)

If you see a black screen just click on it and press any key to activate the console window





## References

- Casey, K. (2016, January 29). What is digitalocean? - definition from whatis.com. SearchCloudComputing. Retrieved April 27, 2022, from <https://www.techtarget.com/searchcloudcomputing/definition/DigitalOcean>