

Step 1 - What is AWS



It let's you

1. Rent servers

Back to home

Jump To 7

< Prev

Next >

Go to Top ↑



3. Upload objects (mp4 files, jpgs, mp3s ...)

AWS Deploying (EC2) 1of8

4. Autoscale servers

5. Create k8s clusters

The offering we will be focussing on today is Renting servers

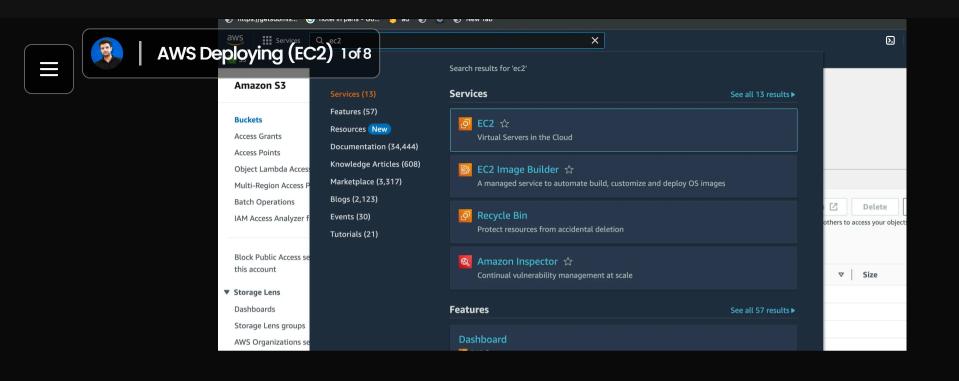
Step 2 - EC2 servers

VMs on AWS are called EC2 Servers

EC2 stands for Elastic compute Version 2.

- 1. Elastic Can increase/decrease the size of the machine
- 2. Compute It is a machine

You can spin up a new EC2 instance from the aws dashboard



Step 3 - Creating a new EC2 server



- 2. Give a name
- 3. Select an OS
- 4. Select size
- 5. Create a new Key pair
- 6. Select Size
- 7. Allow traffic on http/https





AWS Deploying (EC2) 1018 - SSH into server

1. Give ssh key permissions

chmod 700 kirat-class.pem



2. ssh into machine

ssh -i kirat-class.pem ubuntu@ec2-65-0-180-32.ap-south-1.compute.amaz

3. Clone repo

git clone https://github.com/hkirat/sum-server



If your aws machine shows you the following error, your aws machine doesn't have access to the internet

Solution - https://www.tecmint.com/resolve-temporary-failure-inname-resolution/

4. Install Node.js

https://www.digitalocean.com/community/tutorials/how-to-install-

node-js-on-ubuntu-20-04



Step 5 - Install the repo

Clone the repo

https://github.com/hkirat/sum-server



Step 6 - Try hitting the server

You have an ip/DNS that you can hit to access your ec2 server

Try visiting the backend



AWS Deploying (EC2) ngin:3000

Notice you can't visit the website during this time

Security group

You can either open port 8080, or process on port 80

http://your_domain:8080

Step 7 - nginx

https://www.nginx.com/resources/glossary/nginx/

What is a reverse proxy?

AWS Deploying (FC2)ng in X

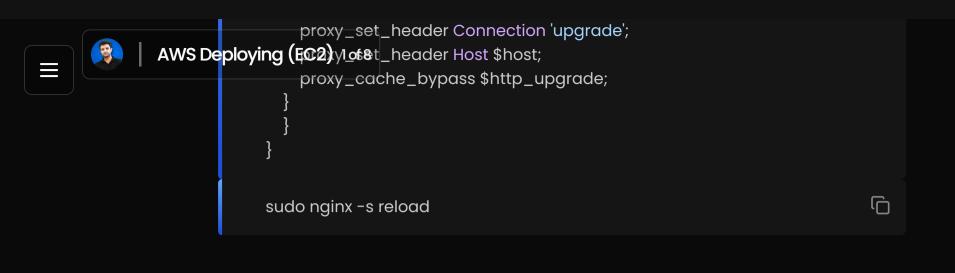
sudo apt update sudo apt install nginx

This should start a nginx server on port 80

Try visiting the website

Create reverse proxy

```
sudo rm sudo vi /etc/nginx/nginx.conf
sudo vi /etc/nginx/nginx.conf
                                                                         events {
  # Event directives...
http {
  server {
  listen 80;
  server_name be1.100xdevs.com;
  location / {
    proxy_pass http://localhost:8080;
    proxy_http_version 1.1;
    proxy_set_header Upgrade $http_upgrade;
```



Start the Backend server

node index.js

Visit the website

https://be1.100xdevs.com/



AWS Deploying (EC2) 8^{f8} - Certificate management

Use https://certbot.eff.org/