EC2 → Elastic Compute Cloud

→ providing Virtual Computers knows as Instances can be Configured with different specs.

→ AMI's → Amazon Machine Images pre-Configured Instances

Steps :-

1. Launch an Amazon EC2 Instance
2. Configuring our Content to deploy to the Amazon EC2 instance
3. Uploading our ML App
4. Deploying
5. Once deployed, Verifying the application Terminate the Instance

Advantages :-

1. Complete administrative Control over these Virtual Server
2. Ability to select a platform of your choice (OS)
3. Secure

Console.aws.com → Create acc

Config EC2 Instance

Download Puttygen / Putty if .ppk file

Download winscp ↓ then generate it

↳ terminal

* Always activate Port from aws Console that you have mentioned in Code

Security → Inbound rule → Edit → Add → Custom Tcp, Port, Source 0.0.0.0/0

* In Code file mention your Public IPv4 addr provided by aws in .html & all other files

Putty Commands :-

- Open Putty Paste ur Public DNS (Provided by aws)
  then SSH → Auth → Cred → Paste Path of ur .ppk file

// To check available Packages
→ yum list installed | grep -i python

Create venv :-

- Python 3 -m venv test/env
- source ~/test/env/bin/activate

→ Install all lib required using pip install [lib name]

→ ls, cd, ll

→ vi [file-name] → to view & edit file
i → insert Mode ESC → Command Mode
:wq → Save & quit

→ nohup python app.py & → file [file.name] will run in background.

→ tail -f nohup.out // run after above command

→ ps -ef | grep [file name] // to see what is running
ps - ef

→ kill -9 [id] // to kill process

Python app.py → if you close terminal, app will close

Winscp :-

To push code use Winscp to ec2

Paste IP DNS

Click advance Auth add .ppk file Path

Login