1. Sign to your Amazon WS account
2. Search and Select EC2

A screenshot of a computer

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1. Select Launch Instances

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1. Fill in the details like Name and choose Amazon Linux AMI

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1. Select create new Key pair , enter key-pair name, key type as RSA and key format as .pem
2. A .pem file will be downloaded and saved into download folder
3. Select create security group and allow SSH traffic from anywhere
4. In the firewall allow ssh,https and http

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1. Select Launch Instance
2. Navigate to the instance and in Security Tab add inbound rules

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Local Machine Preparation

1. Create a new folder and copy .pem file

Navigate to the folder and change permission , only the owner or user of the file has read permission restricting others

* chmod 400 vd-feb-26.pem

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* Select Connect and copy the ssh connection string
* ssh -i "vd-feb-26.pem" ec2-user@<new-public-ip-address>
* paste it to the folder with .pem file
* Should get the aws cli prompt opening

Are you sure you want to continue connecting (yes/no/[fingerprint])? yes

Warning: Permanently added 'ec2-13-233-125-93.ap-south-1.compute.amazonaws.com' (ED25519) to the list of known hosts.

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~\\_ ####\_ Amazon Linux 2023

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* Install Docker Engine with Dandified Yum package manager dnf install with assume yes swich , to automatically all questions yes “-y” swtich
  + sudo dnf install -y docker.
* To allow non root user to run the docker command
  + sudo groupadd docker.
* ec2-user used is added to the docker group
  + sudo usermod -aG docker ec2-user.
* Maker the new user able to execute docker command without logging again
  + newgrp docker
* sudo service docker start

1. Clear any leftover proxy settings

* unset http\_proxy; unset https\_proxy; unset HTTP\_PROXY; unset HTTPS\_PROXY
* docker buildx build --platform linux/amd64 -t vatsank/hotel-service-aws:latest --push .
* docker pull <your-username>/hotel-service-aws:latest
* docker run -d -p 8080:8080 --name hotel-service <your-username>/hotel-service-aws:latest

AWS Security Group Configuration (AWS Console)

Navigate to the EC2 Security Groups Console.

* Select the Security Group associated with your running instance.
* Select Inbound Rules and click Edit inbound rules.
* Add Rule:
* Type: Custom TCP
* Port range: 8080
* Source: 0.0.0.0/0 (Anywhere-IPv4)
* Click Save rules.
* Copy the Public Id address from instance dashboard
* Use either curl or browser and access the endpoints
* curl localhost:8080
* Browser  http://13.233.125.93:4040/api/v1/hotels