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Question

Launch a t2.micro instance in Mumbai region where ssh can be done only from your IP address with docker and docker-compose installed in it.

Solution:

Step:1

Launching an EC2 instance.



Step:2

Connecting the instance and installing Docker.

```
ubuntu@ip-172-31-8-77:~$ sudo apt-get install -y docker.io
Reading package lists... Done
Building dependency tree... Done
```

To check

```
ubuntu@ip-172-31-8-77:~$ docker version

Client:

Version: 24.0.5

API version: 1.43

Go version: go1.20.3

Git commit: 24.0.5-0ubuntu1~22.04.1

Built: Mon Aug 21 19:50:14 2023

OS/Arch: linux/amd64

Context: default

permission denied while trying to connect to the Docker daemon socket at unix://var/run/docker.sock: Get "http://%2Fvar%2Frun%2Fdocker.sock/v1.24/version": dial unix /var/run/docker.sock: connect: permission denied
```

To check the status of docker running. systemctl status docker

Step:3

Installing docker-compose.

```
Abuntu@ip-172-31-8-77:~$ sudo apt-get install -y docker-compose

Reading package lists... Done

Building dependency tree... Done

Reading state information... Done

The following additional packages will be installed:
python3-docker python3-dockerpty python3-docopt python3-dotenv python3-texttable python3-websocket

The following NEW packages will be installed:
docker-compose python3-docker python3-dockerpty python3-docopt python3-dotenv python3-texttable python3-websocket

docker-compose python3-docker python3-dockerpty python3-docopt python3-dotenv python3-texttable python3-websocket

upgraded, 7 newly installed, 0 to remove and 41 not upgraded.
```

To check

ubuntu@ip-172-31-8-77:~\$ docker-compose --version docker-compose version 1.29.2, build unknown ubuntu@ip-172-31-8-77:~\$

Step:4

SSH connection of my security group.

