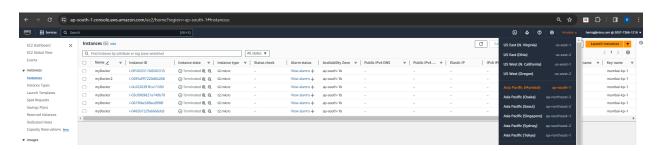
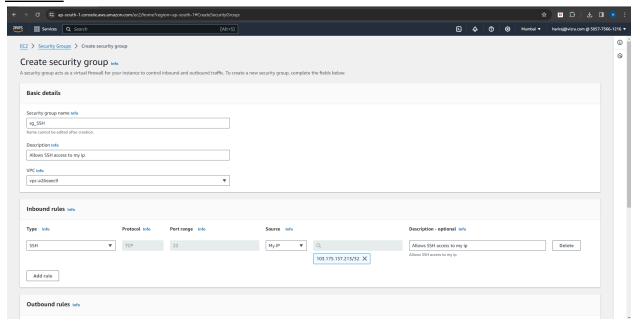
TASK

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

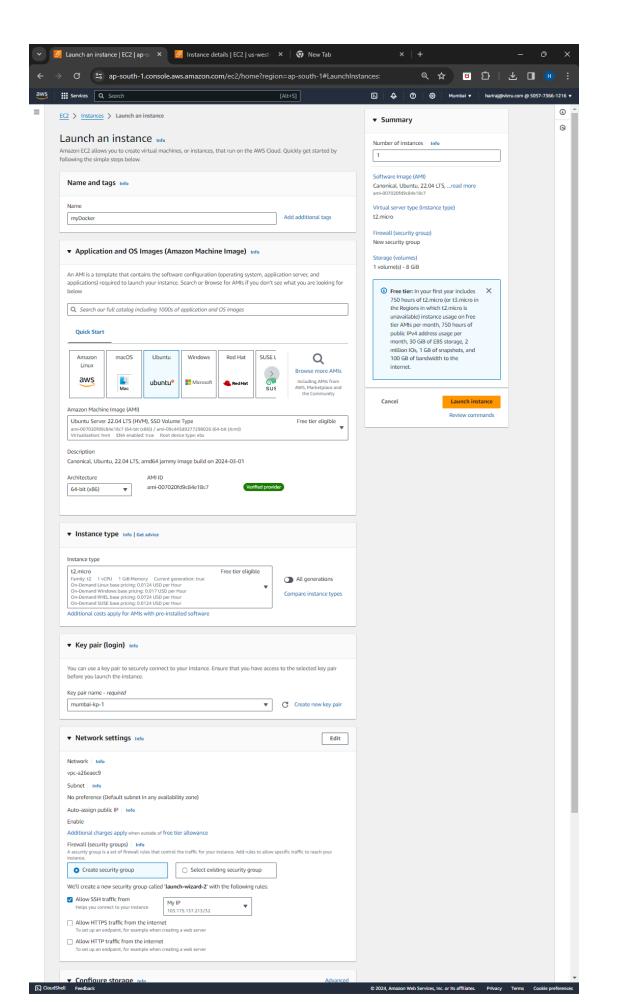
1. Selecting Mumbai region



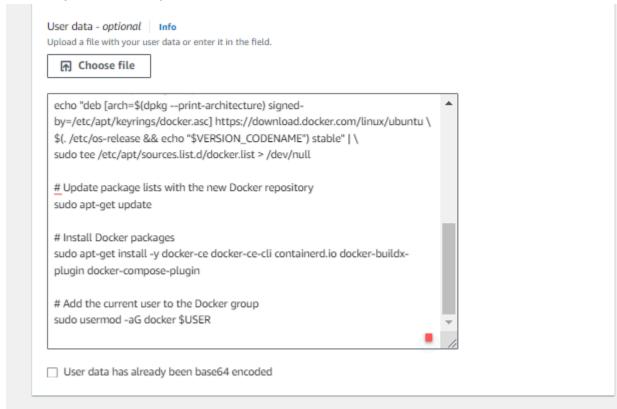
2."We can create a security group during EC2 launch or use one that has already been created."



3.Lauching ec2 instance



4.Installing Docker during EC2 instance launch.



installDocker.sh

#!/bin/bash

Update package lists sudo apt-get update

Install necessary packages sudo apt-get install -y ca-certificates curl

Create directory for Docker GPG key sudo install -m 0755 -d /etc/apt/keyrings

Download Docker's official GPG key sudo curl -fsSL https://download.docker.com/linux/ubuntu/gpg -o /etc/apt/keyrings/docker.asc

Set read permissions for the GPG key sudo chmod a+r /etc/apt/keyrings/docker.asc

Add Docker repository to Apt sources echo "deb [arch=\$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.asc] https://download.docker.com/linux/ubuntu \

\$(. /etc/os-release && echo "\$VERSION_CODENAME") stable" | \ sudo tee /etc/apt/sources.list.d/docker.list > /dev/null

Update package lists with the new Docker repository sudo apt-get update

Install Docker packages sudo apt-get install -y docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin

Create the docker group if it doesn't exist sudo groupadd docker || true

Add the current user to the Docker group sudo usermod -aG docker ubuntu

sudo reboot

Result

ubuntu@ip-172-31-2-95: ~ harir@VIZLP25-HARIRAJ MINGW64 /e/GUVI/aws keypair \$ ssh -i mumbai-kp-1.pem ubuntu@65.2.78.109 Welcome to Ubuntu 22.04.4 LTS (GNU/Linux 6.5.0-1014-aws x86_64) * Documentation: https://help.ubuntu.com * Management: https://landscape.canonical.com * Support: https://ubuntu.com/pro System information as of Sun Mar 31 12:30:29 UTC 2024 System load: 0.16357421875 Processes: Usage of /: 29.9% of 7.57GB Users logged in: IPv4 address for docker0: 172.17.0.1 Memory usage: 24% IPv4 address for eth0: Swap usage: 0%

Expanded Security Maintenance for Applications is not enabled.

106

172.31.2.95

0

40 updates can be applied immediately. 28 of these updates are standard security updates. To see these additional updates run: apt list --upgradable

Enable ESM Apps to receive additional future security updates. See https://ubuntu.com/esm or run: sudo pro status

Last login: Sun Mar 31 12:28:34 2024 from 103.175.137.213 To run a command as administrator (user "root"), use "sudo <command>". See "man sudo_root" for details.

ubuntu@ip-172-31-2-95:~\$ docker --version Docker version 26.0.0, build 2ae903e ubuntu@ip-172-31-2-95:~\$ docker compose version Docker Compose version v2.25.0 ubuntu@ip-172-31-2-95:~\$