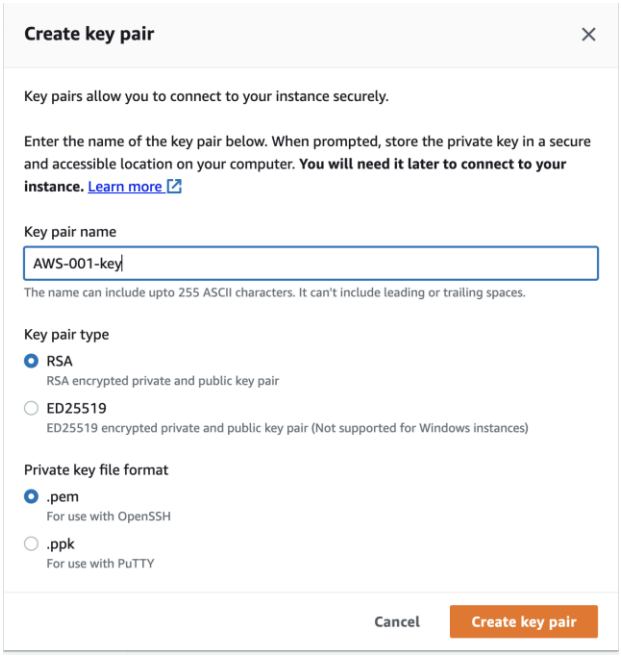
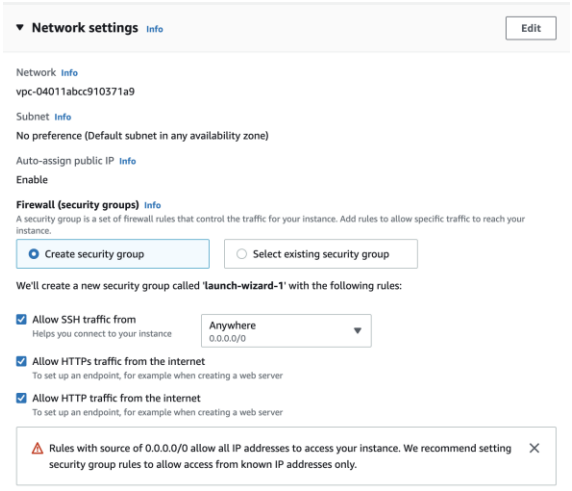
Run App in Docker using AWS.

Create EC2 instance in AWS.

Create new key pair



Network Settings



Open Port 8000

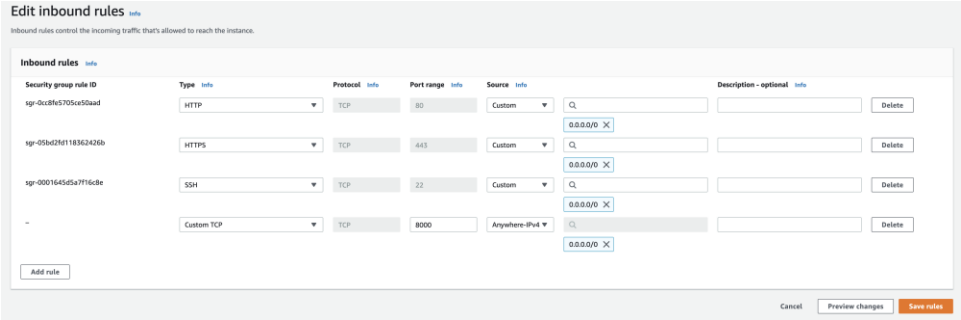
Go to Network & Security -> Security Groups

Select security group

Inbound rules

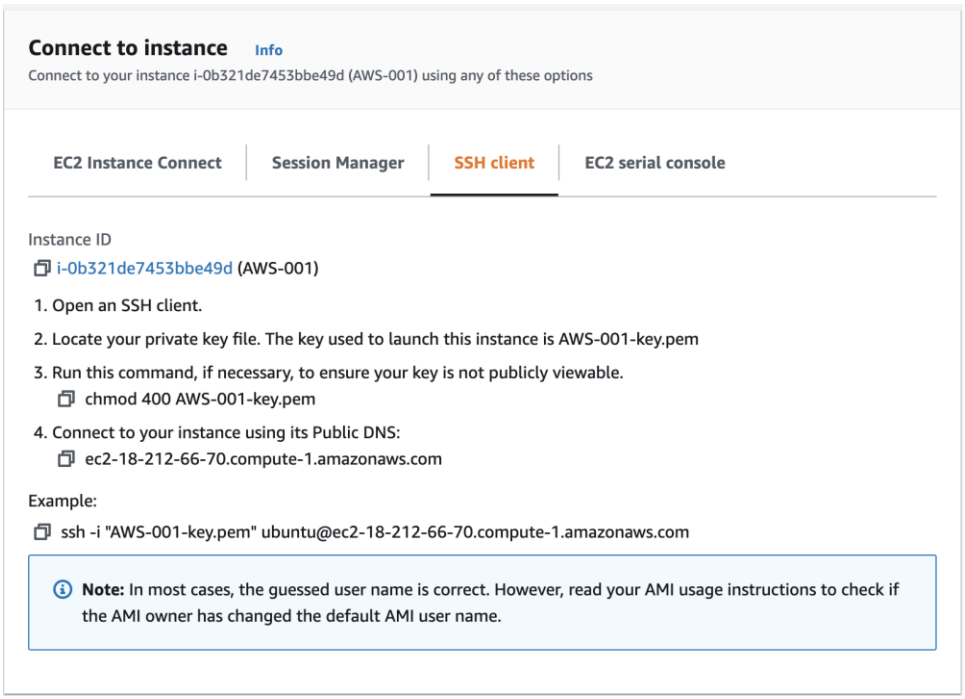
Edit Inbound rules

Add rule



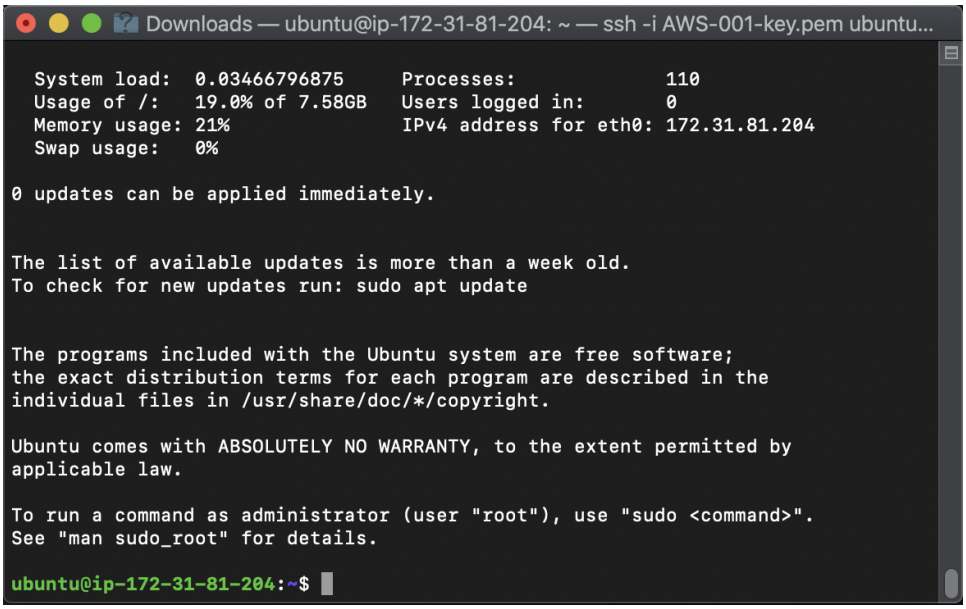
Launch Instance

Connect to instance using SSH client



Step 3

Example ssh -i "AWS-001-key.pem" ubuntu@ec2-44-201-126-231.compute-1.amazonaws.com



Prepare Instance

Run in terminal

sudo apt-get update

sudo apt-get upgrade

sudo apt-get update

Install Docker

curl -fsSL https://get.docker.com -o get-docker.sh

sudo sh get-docker.sh

sudo apt-get update

sudo reboot

Clone git repository

git clone https://github.com/Luck547/fork4cloud.git

git clone https://github.com/Luck547/Mapl-App.git

cd fork4cloud/

cd Mapl-App/

cd app

Create docker network

sudo docker network create -d bridge mapl-net

Run Mongo

sudo docker run -d --network mapl-net -p 27017:27017 -v mapl-vol --name mongodb -e MONGO_INITDB_DATABASE='admin' -e MONGO_INITDB_ROOT_USERNAME='root' -e MONGO_INITDB_ROOT_PASSWORD='copy&pasteME-547' --label mapl mongo:latest

Build image from dockerfile with tag

sudo docker build -t mapl-api .

Run Image

sudo docker run -d --network mapl-net -p 8000:8000 -v mapl-vol --name mapl-api --label mapl mapl-api

Test App

Find public ip

Run from the browser: http://44.201.126.231:8000

Error

- El fichero main.py no lleva la autentificación

client = MongoClient('mongodb://root:copy&pasteME-547@mongodb:27017/')

Docker commands

List docker

sudo docker ps -a

(Remove docker)

sudo docker stop 0ad15bdbeb65

sudo docker rm 0ad15bdbeb65

(check docker logs)

sudo docker logs 25e4773456e2

(run docker container terminal)

(networks)

docker network ls

(github authentication)

https://docs.github.com/en/get-started/getting-started-with-git/about-remote-repositories#cloning-with-https-urls