1. Create virtual computer di aws
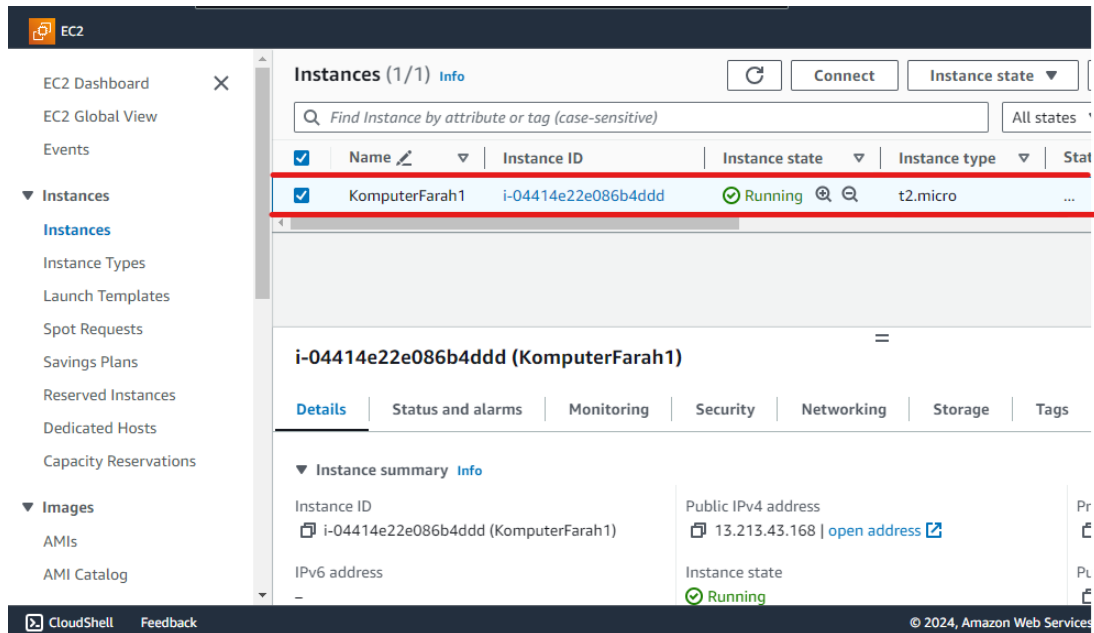
2. Login ke virtual computer

3. Install golang di virtual computer
4. Masukkan repository projek / clone repository projek dari github ke virtual computer
5. Masuk ke dalam repository

6. Masukkan docker file kedalam repository


```
GNU nano 6.2
FROM golang:alpine

RUN mkdir app

WORKDIR /app

ADD . /app

RUN go build -o server .

CMD [ "./server" ]
```

7. Build docker image


```
ERROR: "docker buildx build" requires exactly 1 argument.
See 'docker buildx build --help'.

Usage:  docker buildx build [OPTIONS] PATH | URL | -

Start a build
ubuntu@ip-172-31-23-169:~/project2/news-app$ docker build -t api23 .
[+] Building 0.9s (10/10) FINISHED
 => [internal] load build definition from dockerfile
 => => transferring dockerfile: 143B
 => [internal] load metadata for docker.io/library/golang:alpine
 => [internal] load .dockerignore
 => => transferring context: 2B
 => [1/5] FROM docker.io/library/golang:alpine@sha256:8c9183f715b0b4eca05
 => [internal] load build context
 => => transferring context: 5.54kB
 => CACHED [2/5] RUN mkdir app
 => CACHED [3/5] WORKDIR /app
 => CACHED [4/5] ADD . /app
 => CACHED [5/5] RUN go build -o server .
 => exporting to image
 => => exporting layers
```

8. Jalankan docker image


```
ubuntu@ip-172-31-23-169:~/project2/news-app$ docker run --name api23 -p 8000:800
hMLmLmbk -e dbname=postgres -e JWT_SECRET=jwtpasskey -d api23
4fd74b7b7d1f0d2c7b416b85eb7f625b0fd98000500d8b33fe39c6015c12adc9
ubuntu@ip-172-31-23-169:~/project2/news-app$ docker ps -a
CONTAINER ID   IMAGE      COMMAND                CREATED         STATUS
4fd74b7b7d1f   api23      "./server"             10 seconds ago  Exited (2) 9
9856338121aa   postgres   "docker-entrypoint.s…" 2 hours ago     Up 2 hours
ubuntu@ip-172-31-23-169:~/project2/news-app$
```

9. Mengakses rest API yang sudah di deploy :
   http://13.213.43.168:5000/hello

Pretty-print ☐

"hello world"