Creating a docker image and pushing it to docker hub

Open u r ec2 instance  
my-website/

├── index.html

└── your-image.jpg (optional)

nano index.html  
nano Dockerfile  
# Use the official Nginx image as a base image

FROM nginx:alpine

# Copy your HTML file and assets to the Nginx default directory

COPY index.html /usr/share/nginx/html/index.html

# If you have other assets like images, copy them too

COPY your-image.jpg /usr/share/nginx/html/ # Adjust if you have images

# Expose port 80 to access the application

EXPOSE 80

docker build -t webappdocker .

docker run -d -p 80:80 webappdocker

sudo apt update

sudo apt install docker.io -y

sudo systemctl start docker

sudo systemctl enable docker

sudo usermod -aG docker $USER

Rancher steps:

sudo apt-get update

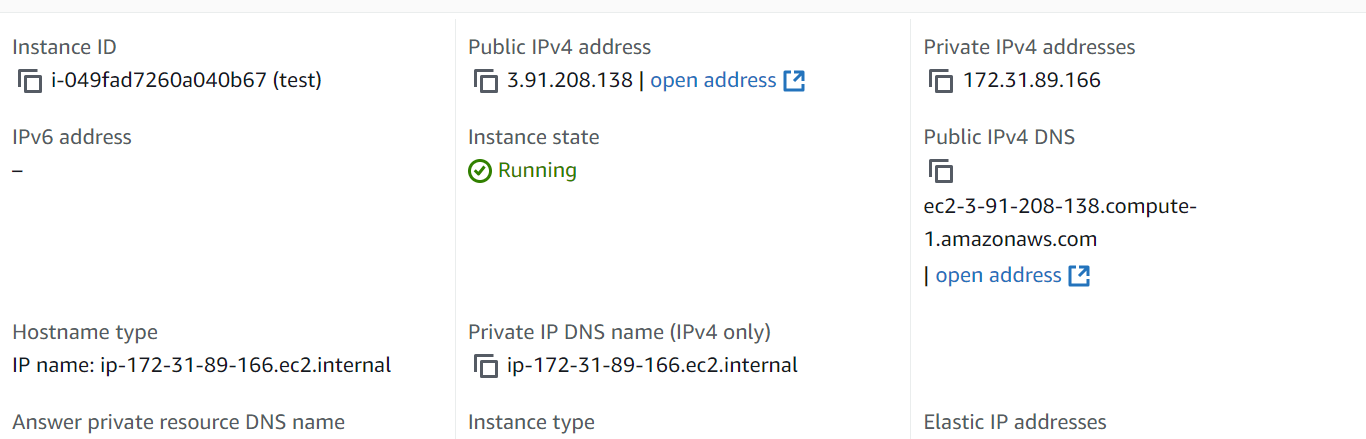
sudo apt install docker.io

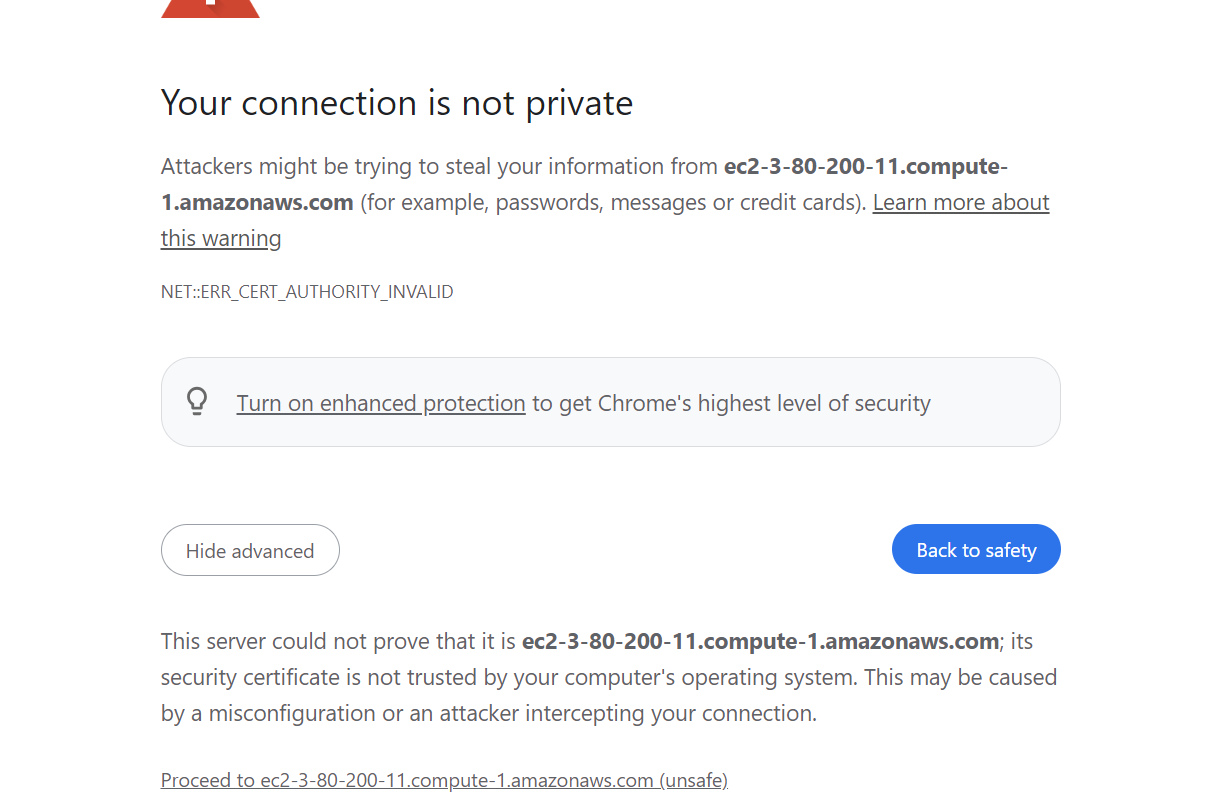
docker -v

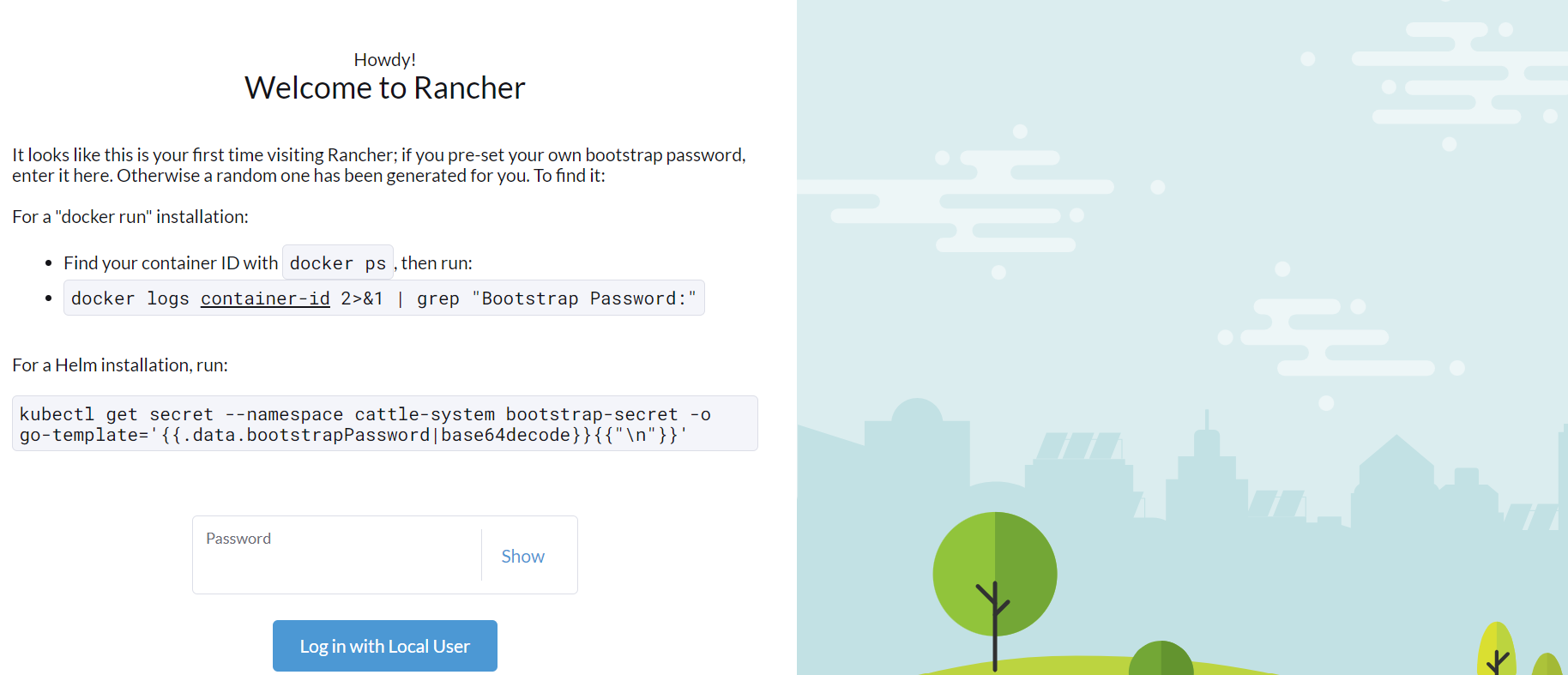
sudo docker run –name rancherr --privileged=true -d -p 80:80 -p 443:443 rancher/rancher:latest  
sudo usermod -aG docker $USER

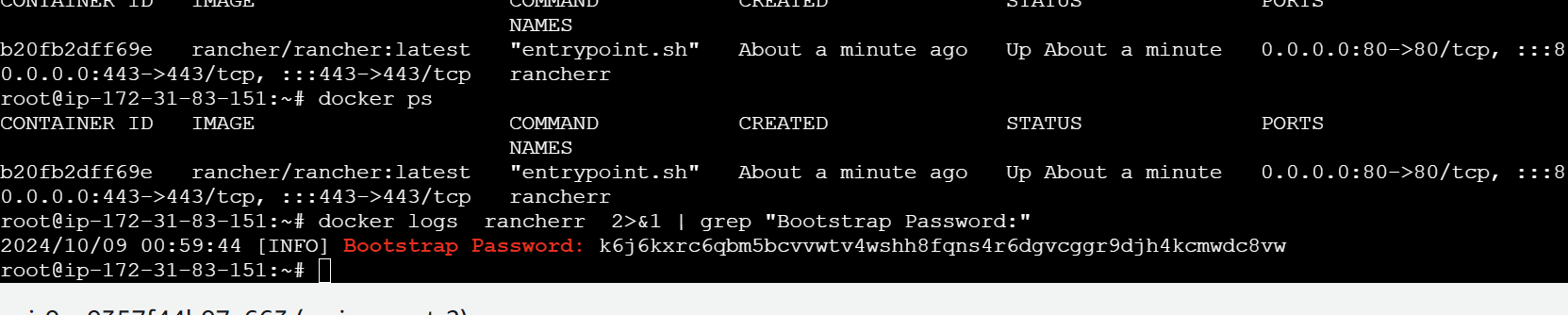
sudo apt-get install -y ca-certificates curl

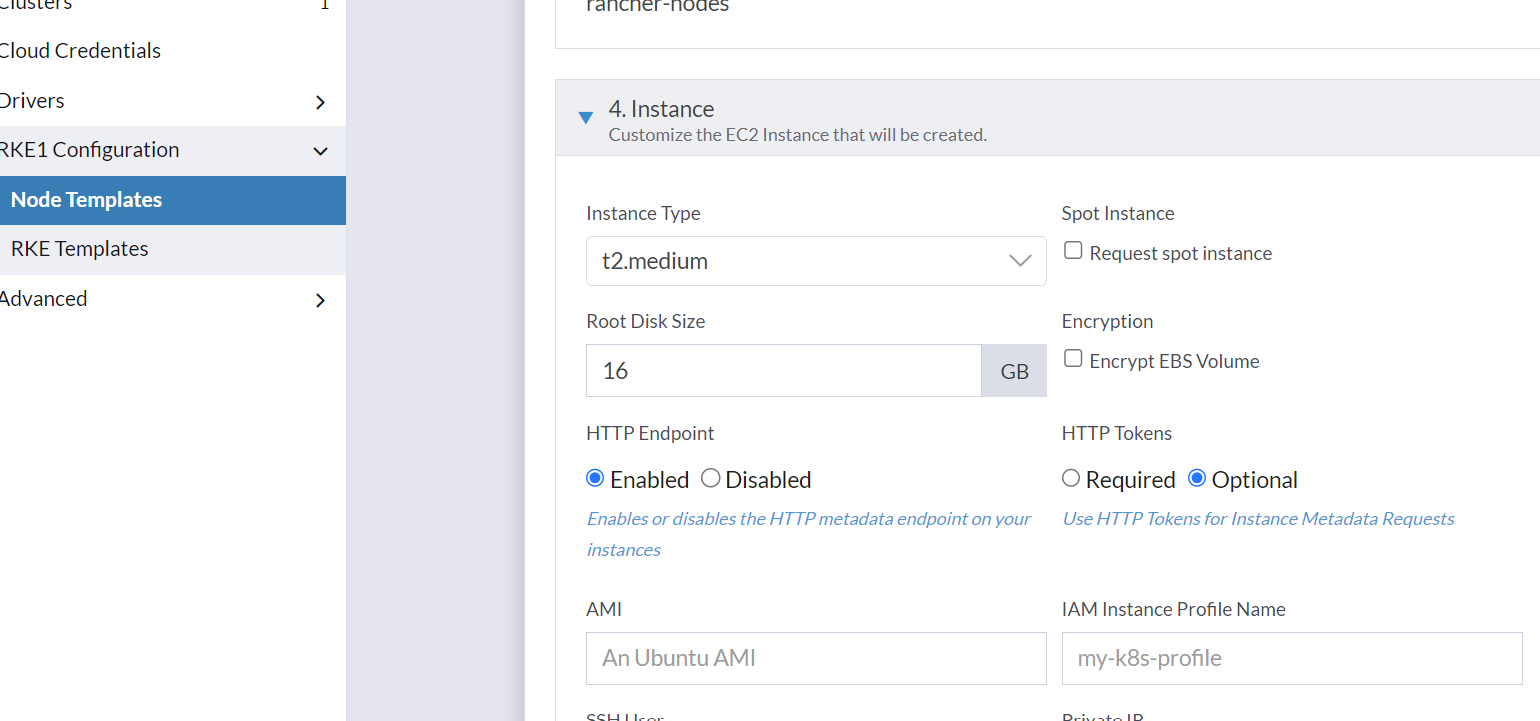
curl -LO "https://dl.k8s.io/release/$(curl -L -s https://dl.k8s.io/release/stable.txt)/bin/linux/amd64/kubectl"

sudo install -o root -g root -m 0755 kubectl /usr/local/bin/kubectl  
kubectl version --client  
opened the dns in browser  




->opening page of rancher  


docker logs rancherr 2>&1 | grep "Bootstrap Password:"  
  




IAM

Access: AKIAX2DZEG6OWEMQIJFS

Secret accesskey: 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