Copilot Assignment

The Copilot CLI is a tool for developers to build, release, and operate production-ready containerized applications on AWS App Runner and Amazon ECS on AWS Fargate. From getting started, pushing to staging, and releasing to production, Copilot can help manage the entire lifecycle of your application development.

## Understanding

Now we have to deploy the basic docker image on the ECS cluster, From the docker-file and attach an application Load Balancer to the ECS cluster, apart from that we requires some basic services of AWS

Such as AWS-VPC, code-pipeline, ECR, to orchestrate the services

## Commands

## Dependencies

Sudo apt update

Sudo apt install docker.io -y

Sudo apt install git -y

## Install and configure AWS cli

Sudo apt install awscli

aws configure

## Install AWS copilot

sudo curl -Lo /usr/local/bin/copilot https://github.com/aws/copilot-cli/releases/download/v1.21.0/copilot-linux-v1.21.0 \

&& sudo chmod +x /usr/local/bin/copilot \

&& copilot –help

## Create Docker file

mkdir copilotdir

vim Dockerfile

FROM ubuntu:18.04

RUN apt update -y

RUN apt install nginx -y

COPY index.html /var/www/html

RUN rm /var/www/html/index.nginx-debian.html

EXPOSE 80

CMD ["nginx", "-g","daemon off;"]

Vim index.html

Sudo docker build .

## Update Git

git init

git add README.md

git commit -m "first commit"

git branch -M master

git remote add origin https://github.com/harshhhit/copilot1.git

git push -u origin master

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## Initialize the copilot

Copilet init

## (the command will create the Infrastructure )

copilot pipeline init

copilot pipeline deploy

## 