CSYE7220-Devops

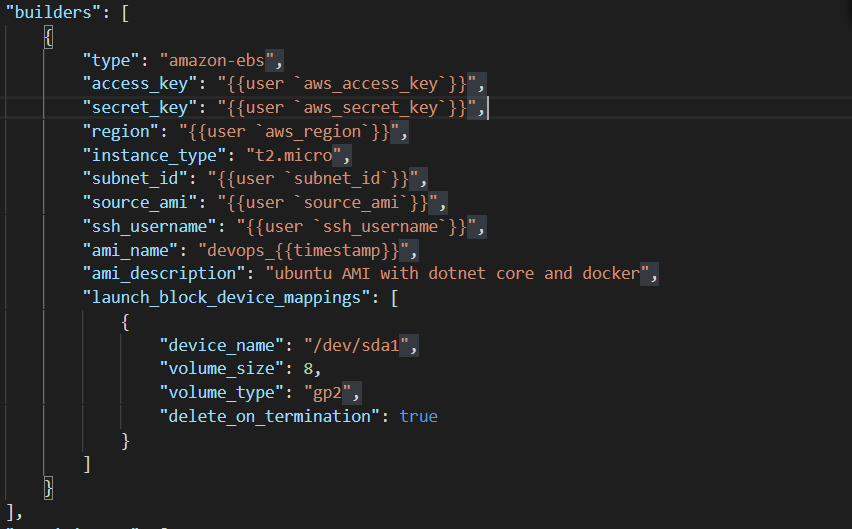
Amogh Doijode Harish

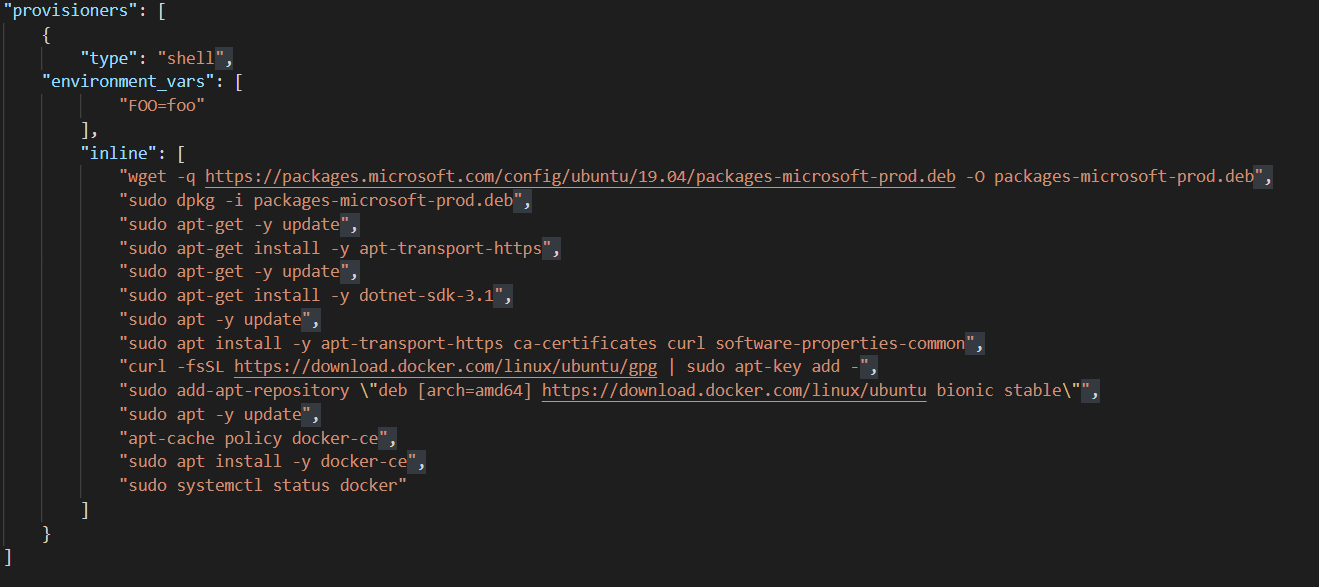
Homework5

**Running Docker container on AWS:**

1. Create an AMI with docker installed using HashiCorp Packer.

* Install Packer <https://packer.io/downloads.html>. And create a ubuntu.json file

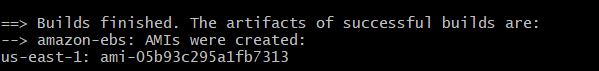




1. Run the commands packer validate < ubuntu.json >.json



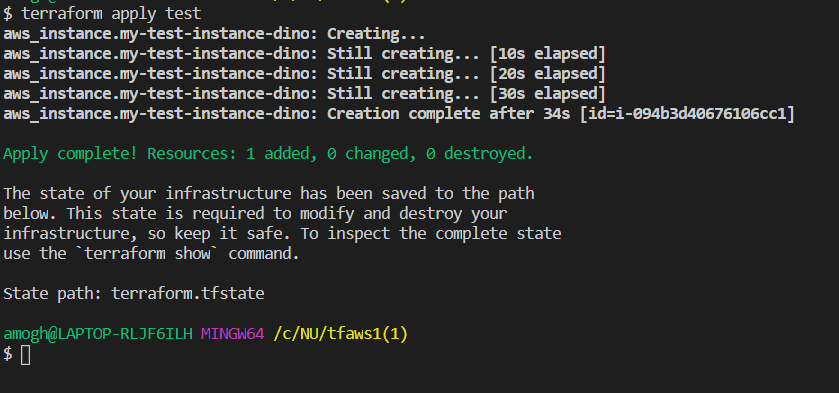
1. Run packer build < ubuntu.json >.json



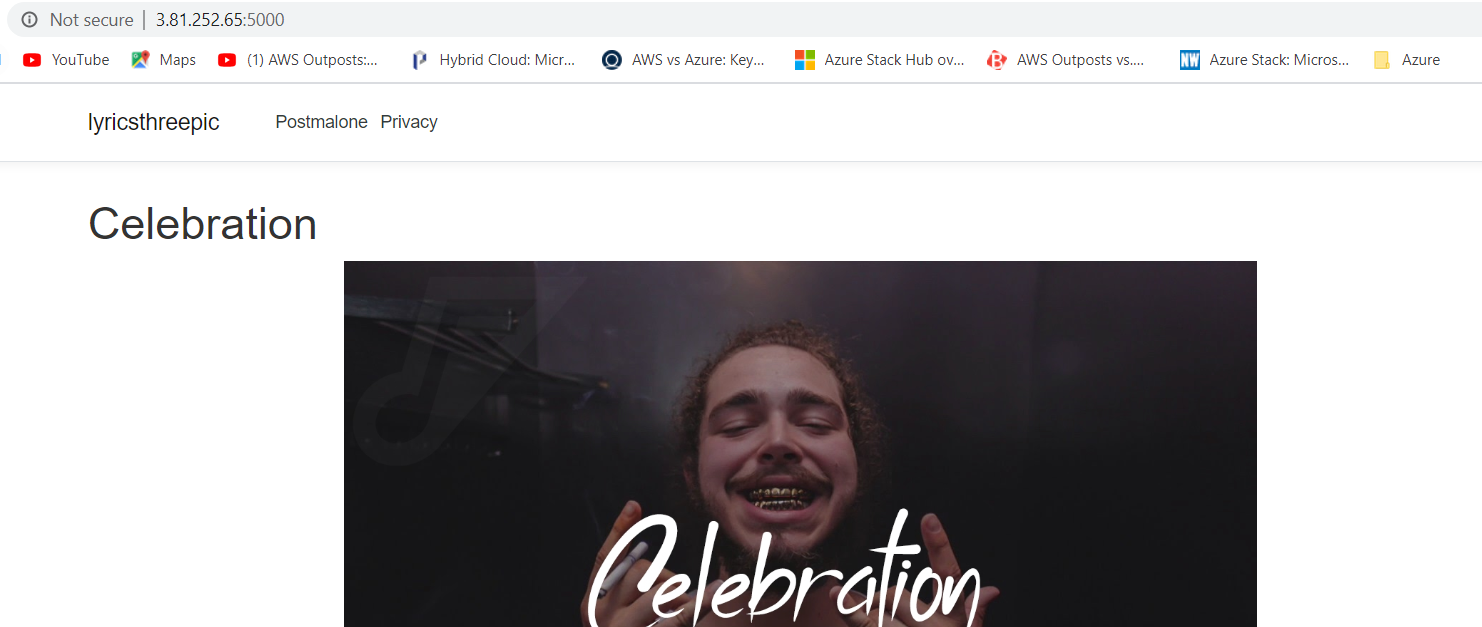
1. Copy the AMI ID after creation
2. In the aws\_instance resource. Insert the AMI ID and insert user\_data to pull docker image and run.



1. Run Terraform init.
2. Run command Terraform plan -out=test
3. Run Terraform apply test



1. Open a browser and open <public\_ip of your ec2 instance>:5000



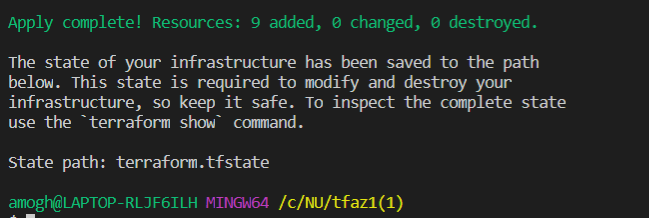
1. After testing run “Terraform Destroy”

**Deploying Docker container on AZURE:**

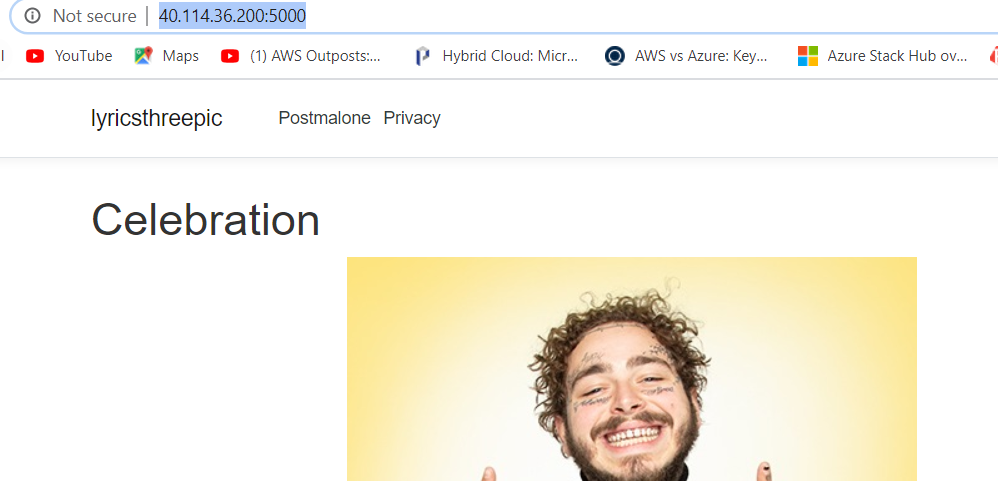
1. Insert the azurerm\_virtual\_machine\_extension resource and enter your commands that you need to install docker and pull the image.



1. Run “Terraform init”
2. Run command “Terraform plan -out=test”
3. Run command “Terraform apply test”



1. Open your browser and navigate to <your\_VM\_PUBLIC\_IP>:5000 and you will see the app.



1. Run “Terraform destroy” to destroy your resources.