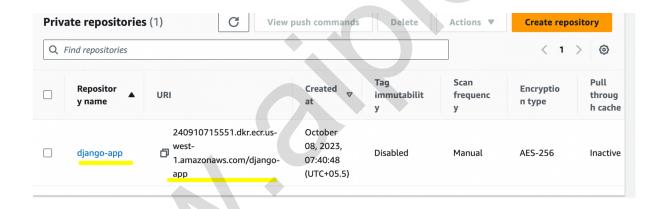
AWS INFRA CREATION WITH PYTHON DJANGO APP DEPLOYMENT [LOCAL]

Step1 - Clone the repository and set the aws configure in local terminal

https://github.com/praveen1994dec/Terrafor m_withcontainers.git

Step2 - Create a repo in aws ECR with name - > django-app



Step3 - Once the repo is created copy the repo url and add it in the variables.tf file in place of variable docker_image_url_django

Step4 - Change the policy file paths in iam.tf and variables.tf file

Step5 - Login into ECR by hitting the below command in terminal local

aws ecr get-login-password --region us-west-1 | docker login --username AWS --password-stdin <YOUR ECR REPO URL>

Step6 - Go to app folder cd app/

Step7 - Build the docker image

docker build --platform=linux/amd64 -t <URL ECR REPO URL>:latest.

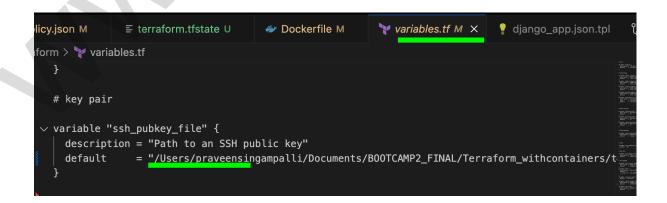
Step8 - Push the image to ECR

docker push <URL ECR REPO URL>:latest

Step9 - Go to terraform folder and hit this below command to create the key pair

ssh-keygen -f california-region-key-pair

Step10 - Add the above file key file path in variable.tf



Step 11 - Hit the below commands in terraform folder

terraform init

terraform plan -out terraform.out

terraform apply "terraform.out"

Step12 - Install Python BOTO3

pip install boto3 click

Step13 - Export the AWS access/Secret key and region

export AWS_ACCESS_KEY_ID=""

export AWS_SECRET_ACCESS_KEY=""

export AWS_DEFAULT_REGION="us-west-1"

Step14 - Go to deploy folder

python3 update-ecs.py --cluster=production-cluster --service=production-service

Step15 - Validate the ECS service and there should be 0 Tasks pending in the dashboard

Go to cloudwatch/VPC and check the data and logs stream

Step16 - > Go to EC2-> Loadbanacer -> Copy the DNS name -> Hit the below url in the browser

<DNS_NAME>/ping/

Step17 - Hit the command and delete the architecture

terraform destroy