Lora Lee B.
Deployment 4 Submission
November 8, 2022

Observations

- Jenkins EC2 set up completed using script.
- Terraform installed on Jenkins EC2 using code provided from Terraform Download page
- AWS credentials were configured in Jenkins.
- Files within the intTerraform folder were modified accordingly, main.tf file was modified with updated key_name, deploy.sh file was edited with updated GitHub info.
- The initial pipeline build was executed successfully.

URL Shortener	API	New URL

Website	File
Short Name	**Short Name**
Website URL	**Website URL**
	Choose File no file selected
Shorten	Shorten

- A destroy stage was added to the Jenkinsfile and successfully executed.
- Configuration for a VPC was added to the main.tf file and the string "(Terraform)" was added to the URL Shortner title.
- The pipeline build was again executed successfully.

Stage View

	Declarative: Checkout SCM	Build	test	Init	Plan	Apply	Destroy
Average stage times: (Average full run time: ~2min 48s)	3s	8s	1s	10s	15s	1min 26s	1min 17s
#2 Nov 08 18:48 — 1 commit	4s	4s	1s	10s	17s	7s	1min 17s
#1 Nov 08 18:35 — No Changes	2s	11s	1s	11s	13s	2min 45s	

URL Shortener (Terraform)   API [New URL]

Website	File
Short Name	Short Name
Website URL	Website URL
	Choose File no file selected
Shorten	Shorten

Diagram the pipeline

- Code is pulled from the GitHub repository, by Jenkins. Jenkinsfile is executed and plan apply and destroy stages are performed using Terraform.
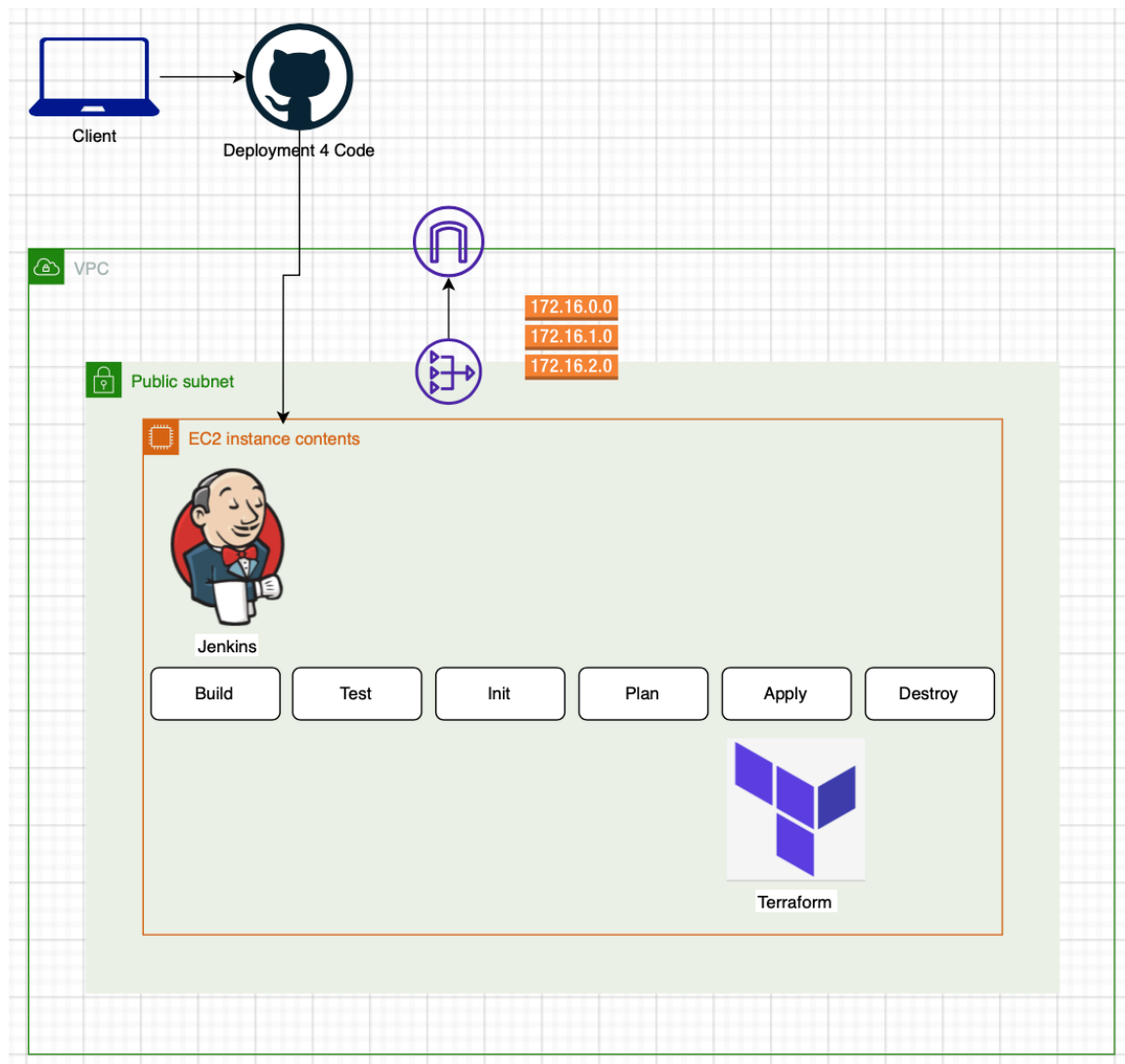
Recommendations for Improvement

- Research a way to add and remove the destroy step in the Jenkins file more conveniently.