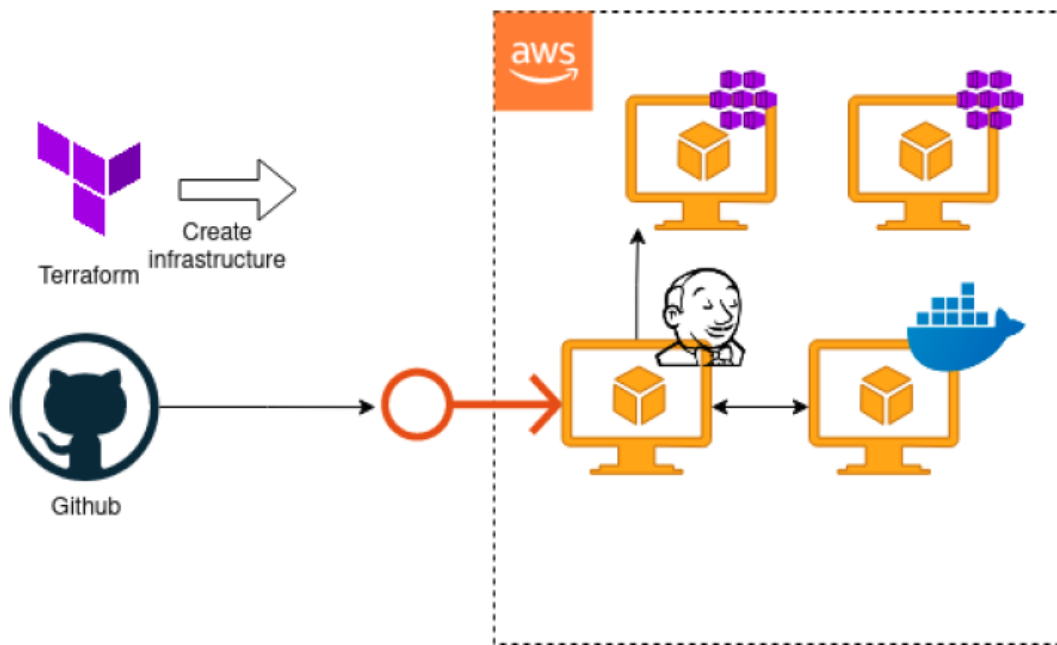


# DevOps CI/CD Plan

## 1. Architecture



## 2. Implementation

- Create a Jenkins CI server using Terraform
- Provisioning a Jenkins CI server manually can be error-prone and time-consuming, so I shall be configuring the Jenkins Continuous Server (CI) using Infrastructure as Code (IaC).

```

aws_instance.jenkins-instance: Creating...
aws_nat_gateway.nat-gw: Still creating... [10s elapsed]
aws_instance.jenkins-instance: Still creating... [10s elapsed]
aws_nat_gateway.nat-gw: Still creating... [20s elapsed]
aws_instance.jenkins-instance: Still creating... [20s elapsed]
aws_instance.jenkins-instance: Creation complete after 21s [id=i-082e995f63efb1493]
aws_nat_gateway.nat-gw: Still creating... [30s elapsed]
aws_nat_gateway.nat-gw: Still creating... [40s elapsed]
aws_nat_gateway.nat-gw: Still creating... [50s elapsed]
aws_nat_gateway.nat-gw: Still creating... [1m0s elapsed]
aws_nat_gateway.nat-gw: Still creating... [1m10s elapsed]
aws_nat_gateway.nat-gw: Still creating... [1m20s elapsed]
aws_nat_gateway.nat-gw: Still creating... [1m30s elapsed]
aws_nat_gateway.nat-gw: Still creating... [1m40s elapsed]
aws_nat_gateway.nat-gw: Still creating... [1m50s elapsed]
aws_nat_gateway.nat-gw: Creation complete after 1m54s [id=nat-0527279abc1716272]
aws_route.nat-gw-route: Creating...
aws_route.nat-gw-route: Creation complete after 1s [id=r-rtb-091eab56c24fee8881080289494]

Apply complete! Resources: 22 added, 0 changed, 0 destroyed.

Outputs:
jenkins_ip_address = .....compute.amazonaws.com

```

### 3. Jenkins Pipeline

**Jenkins** search admin log out

Dashboard > maven-ci-pipeline

Back to Dashboard

Status

Changes

Build Now

Configure

Delete Pipeline

Full Stage View

Rename

Pipeline Syntax

Build History trend

## Pipeline maven-ci-pipeline

add description

Disable Project

Recent Changes

### Stage View

	Clone Repo	Build Project	Verify & Tests	Build Docker Image	Push Docker Image
Average stage times: (Average full run time: ~1min 25s)	712ms	28s	1h 6min	10s	3s
411 Mar 17 16:41 No Changes	465ms	26s	31s	12s	4s