DevOps

CI/CD

**CI-** Developers push the code to a code repository such as.

- Codecommit

- Github

- Bitbucket

A testing/ build servers check the code as soon as its pushed.

* Codebuild
* Jenkins CI

The developers get feedback about the tests checks if they have passed or failed. Finds bugs early and fix them. Deliver code faster as its tested beforehand.

**CD**

CodeCommit-

Git branches are effectively a pointer to a snapshot of your changes. When you want to add a new feature or fix a bug—no matter how big or how small—you spawn a new branch to encapsulate your changes. This makes it harder for unstable code to get merged into the main code base, and it gives you the chance to clean up your future's history before merging it into the main branch.

Github

Maven

The result is a tool that can now be used for building and managing any Java-based project.

-Part of the apache group

Jenkins

One stop shop for building and testing code. Jenkins can deploy onto servers if they exist.

Docker

ECS

EKS

Terraform

Chef

Puppet

Ansible

