Developer Tools

Understand the various developer tools available on AWS. AWS has a variety of cloud-based CI/CD tools to aid developers build and deploy on the cloud.

CodeStar: is for creating, managing, and working with software development projects on AWS. This has a continuous delivery toolchain and you can deploy your code on to AWS. This is primarily used to collaborate with other developers who are working on another project.

CodeCommit: Stores, maintains and manages your code. Think about this as your code repository on the cloud.

CodeBuild: builds and tests code in the cloud with continuous scaling.

CodeDeploy : Deployment services. Used Automated to automatically deploy your services on to an EC2 instance or your Lamda

CodePipeline: Continuous delivery service used to noddle, visualize, and automate the steps required to release your code

X-Ray: Used to debug has request tacking. This can help in finding root cause and performance bottle necks.

Cloud9: is a cloud-based integrated development environment (IDE) that lets you write, run, and debug your code with just a browser. This means as a developer you do not need to you an IDE on your machine you can do it on AWS.

AWS CodeCommit

GitHub

repository

AWS CodePipeline

AWS CodeBuild

AWS CodeDeploy

Amazon S3 bucket

Amazon VPC (staging environment)

Amazon VPC (production environment)