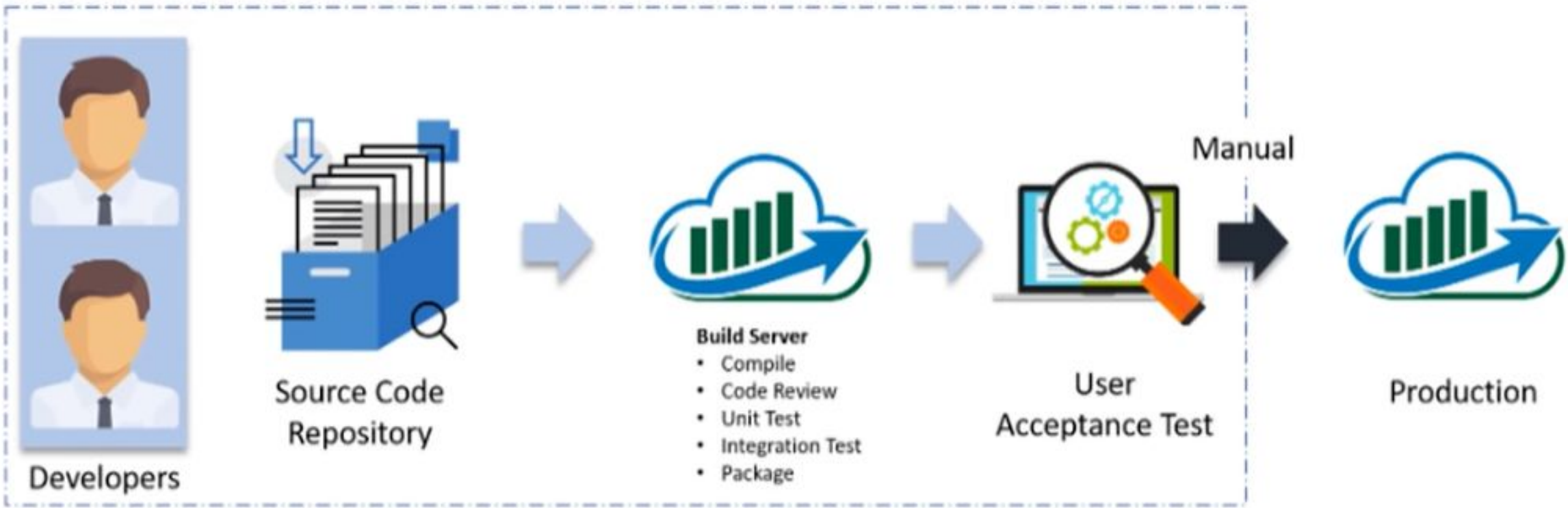


Continuous Integration And Deployment



AWS Developer Tools



CodeCommit



CodeBuild



CodeDeploy



CodePipeline

AWS CodeCommit

Why AWS CodeCommit

CodeCommit is a version control tool provided by AWS and it provides a lot of free features

DEVELOPER TOOLS

Free Tier

ALWAYS FREE

AWS CodeCommit

5

active users per month

Highly scalable, managed source control service.

5 active users per month

50 GB-month of storage per month

[\(1\) AWS CodeCommit Tutorial -Create Repository, Add Files, Initiate Pull Requests - YouTube](#)

- **Source control** service for git repositories
- Secure, highly scalable and fully managed
- Includes **Code Browser** via the AWS Console for viewing
 - Repositories
 - Pull Requests
 - Collaboration
- Use your existing **git** cli and all familiar tooling

What Is AWS CodeCommit?

AWS CodeCommit is a version control service hosted by Amazon Web Services that you can use to privately store and manage assets (such as documents, source code, and binary files) in the cloud.



Store any code securely anytime

Ensure Collaborative Work

Scale Easily

AWS CodeBuild

Why AWS CodeBuild

AWS CodeBuild is a fully managed continuous integration service that compiles source code, runs tests, and produces software packages that are ready to deploy.

DEVELOPER TOOLS

Free Tier

ALWAYS FREE

AWS CodeBuild

100

build minutes

Fully managed build service that builds and tests code in the cloud.

100 build minutes per month of

[\(1\) AWS Codebuild Tutorial
\(Create A Deployment Package
With AWS Codebuild\) - YouTube](#)

- CodeBuild eliminates the need to **set up, patch, update, and manage** your own build servers and software
- It provides **prepackaged build environments** as Docker images
- A **build environment** is the combination of the **operating system, programming language, and tools** used by CodeBuild to run a build
- You can use the **AWS CodeBuild agent** to build and test applications locally
- CodeBuild **automatically scales** up and down according to build requests
- You only pay for the **time it takes to complete your build**

AWS CodeDeploy

[\(1\) AWS CodeDeploy Demo \(Deploy an application to EC2 Autoscaling Group\) - YouTube](#)

Why AWS CodeDeploy

This is an automated deployment tool which can deploy to services like EC2, Lambda, Elastic Beanstalk, and even your on-premises instances.



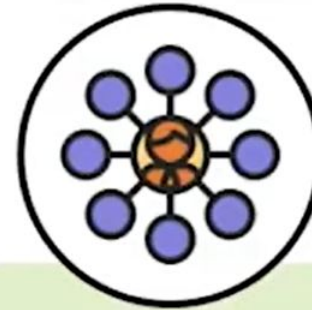
Automated deployments

AWS CodeDeploy fully automates your software deployments, allowing you to deploy reliably and rapidly.



Minimize downtime

AWS CodeDeploy helps maximize your application availability during the software deployment process.



Centralized control

Through CLI and Management console, you can keep complete track of your deployments.



Easy to adopt

works with any application and same experience whether you're deploying to Amazon EC2, AWS

What Is AWS CodeDeploy?

CodeDeploy is a deployment service that automates application deployments to Amazon EC2 instances, on-premises instances, serverless Lambda functions, or Amazon ECS services.



Code, Serverless Lambda Functions

Web & Configuration Files

Executables & Packages

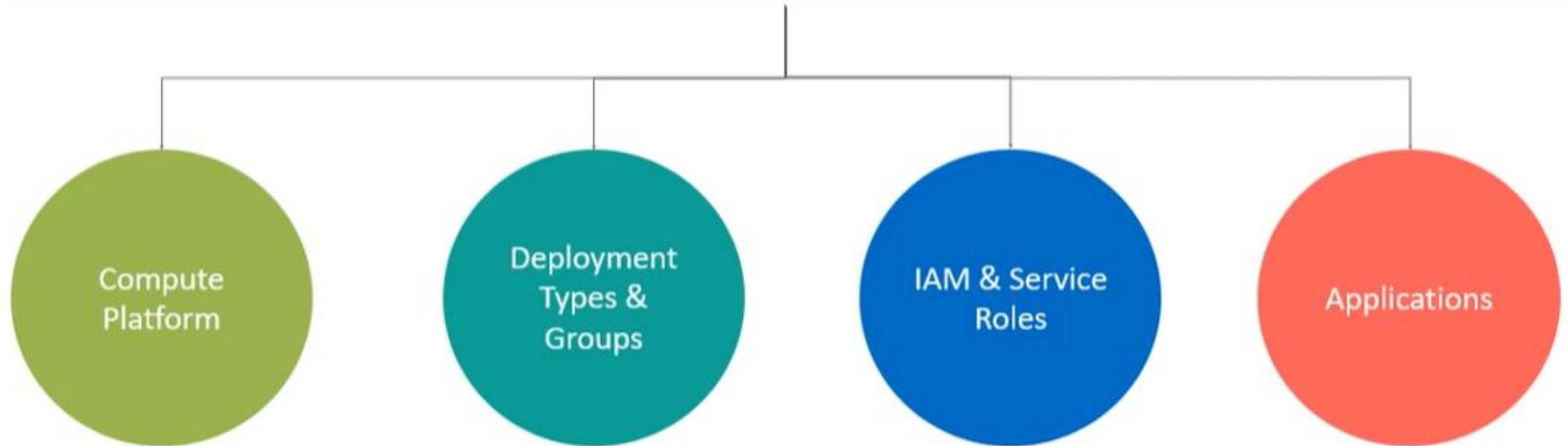
Scripts & Multimedia

AWS CodeDeploy

- ★ AWS CodeDeploy is a fully managed deployment service that automates software deployments to a variety of compute services such as Amazon EC2, AWS Fargate, AWS Lambda, and your on-premises servers.
- ★ CodeDeploy makes it easier for you to rapidly release new features, helps you avoid downtime during application deployment, and handles the complexity of updating your applications.
- ★ **Centralized control** - AWS CodeDeploy allows you to easily launch and track the status of your application deployments through AWS management console
- ★ **Minimize downtime** - AWS CodeDeploy helps maximize your application availability during the software deployment process.

AWS CodeDeploy Components

Following are the components that concern AWS CodeDeploy Service:

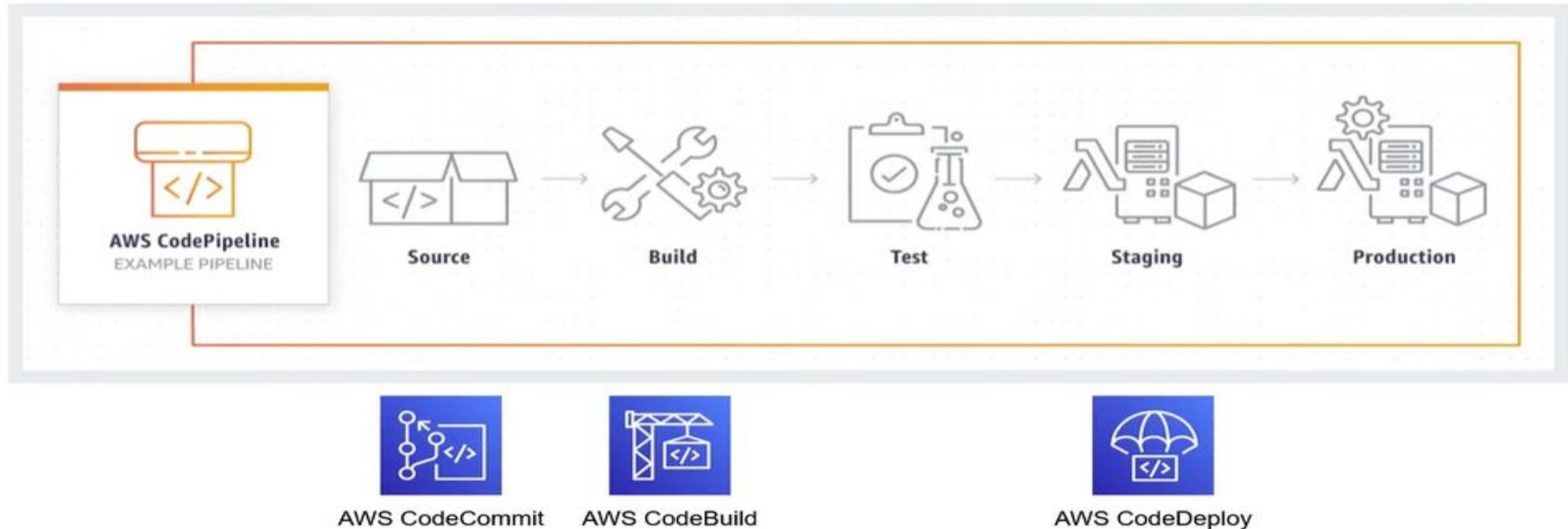


AWS CodePipeline

[\(1\) AWS CodePipeline How To Set Up AWS CodePipeline Demo - YouTube](#)

Why AWS CodePipeline

A continuous delivery tool which is fully managed by AWS which you can use to automate your releases for rapid and reliable deployment



What Is CodePipeline?

*'AWS CodePipeline is a **continuous delivery service** you can use to model, visualize, and automate the steps required to release your software.'*



Monitor your processes in real time

Ensure Consistent Release Process

Speed up delivery while improving quality

View pipeline history details

Why AWS Pipelines

Easy to integrate AWS CodePipeline with GitHub or with your own custom plugin. With AWS CodePipeline, you only pay for what you use. There are no upfront fees or long-term commitments.



Rapid delivery



Configurable workflow

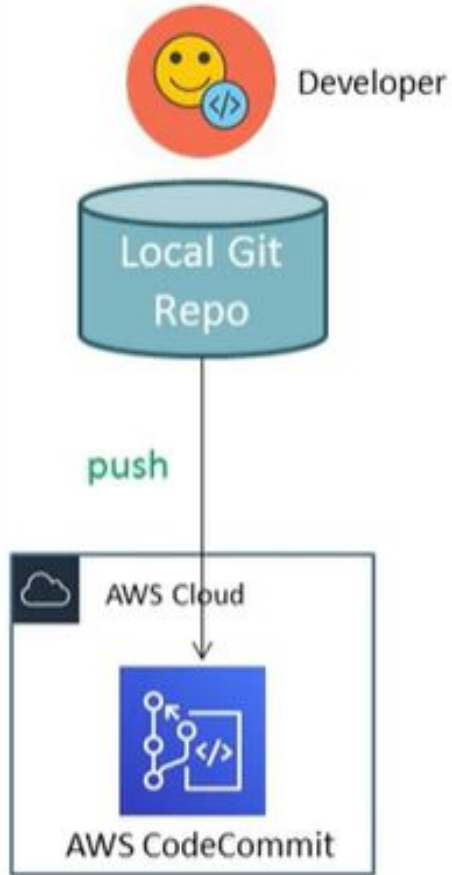


Get started fast

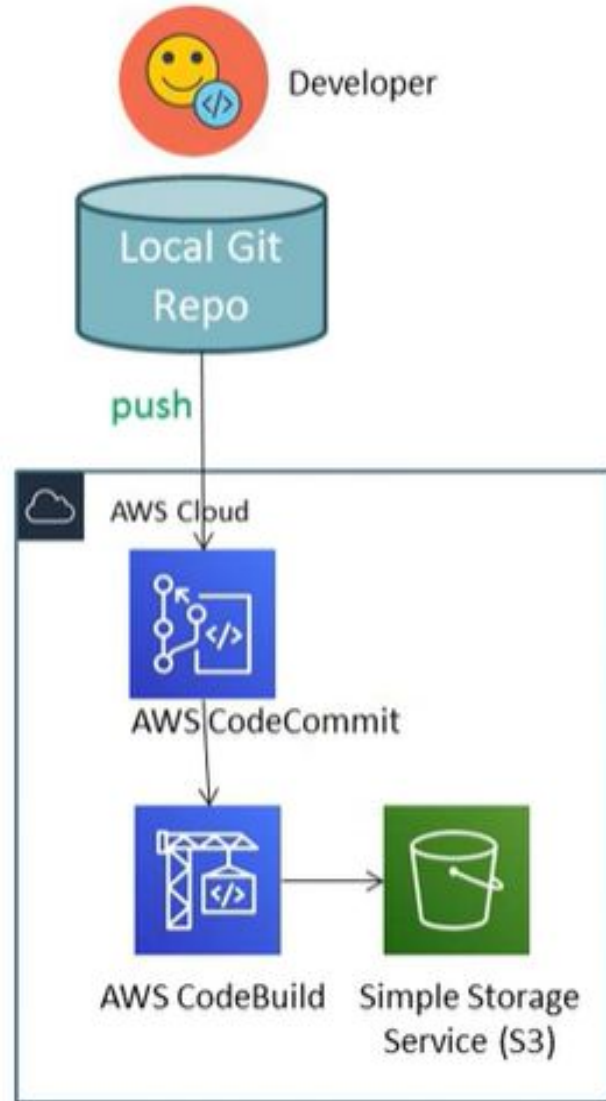


Easy to integrate

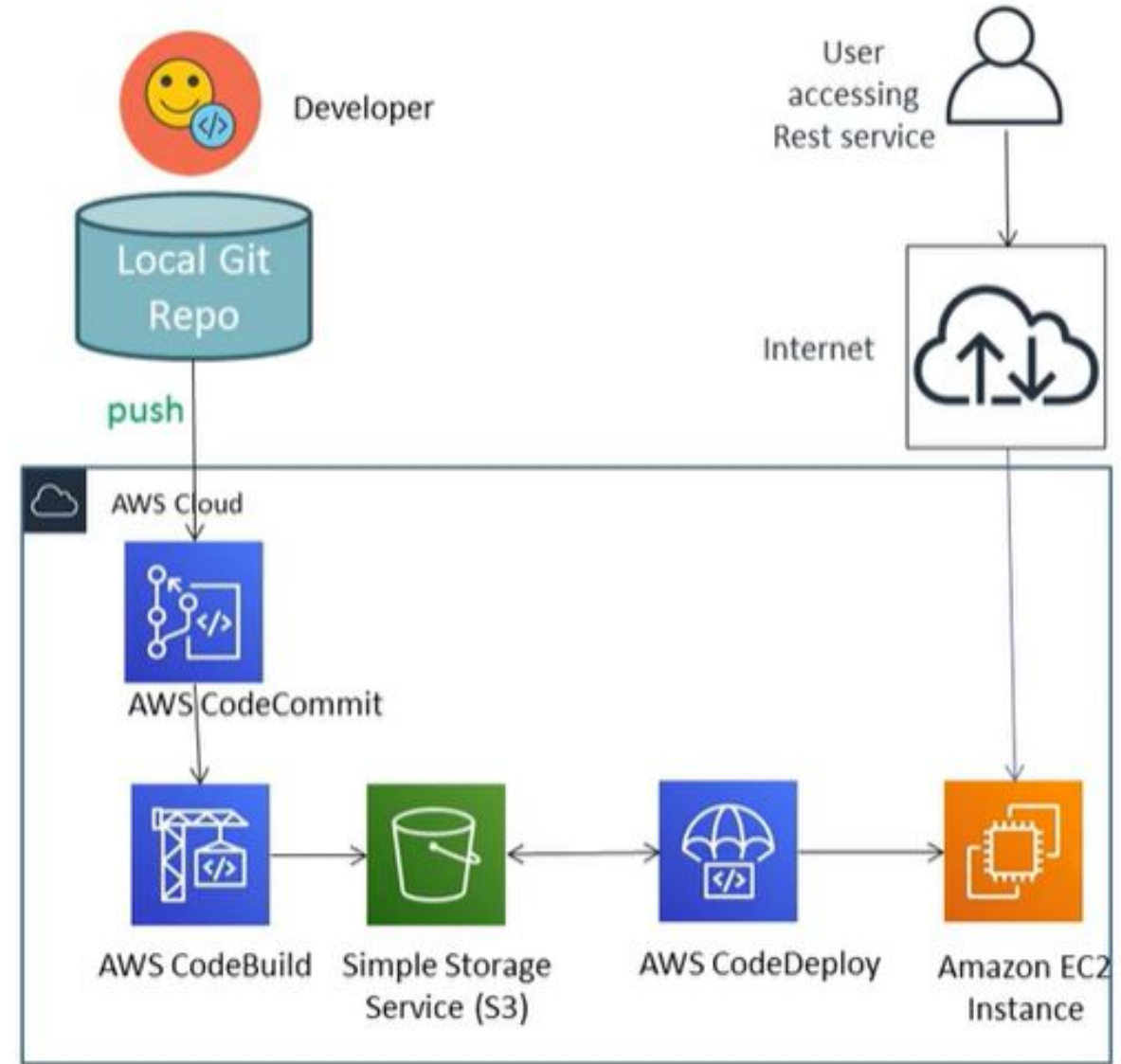
CodeCommit



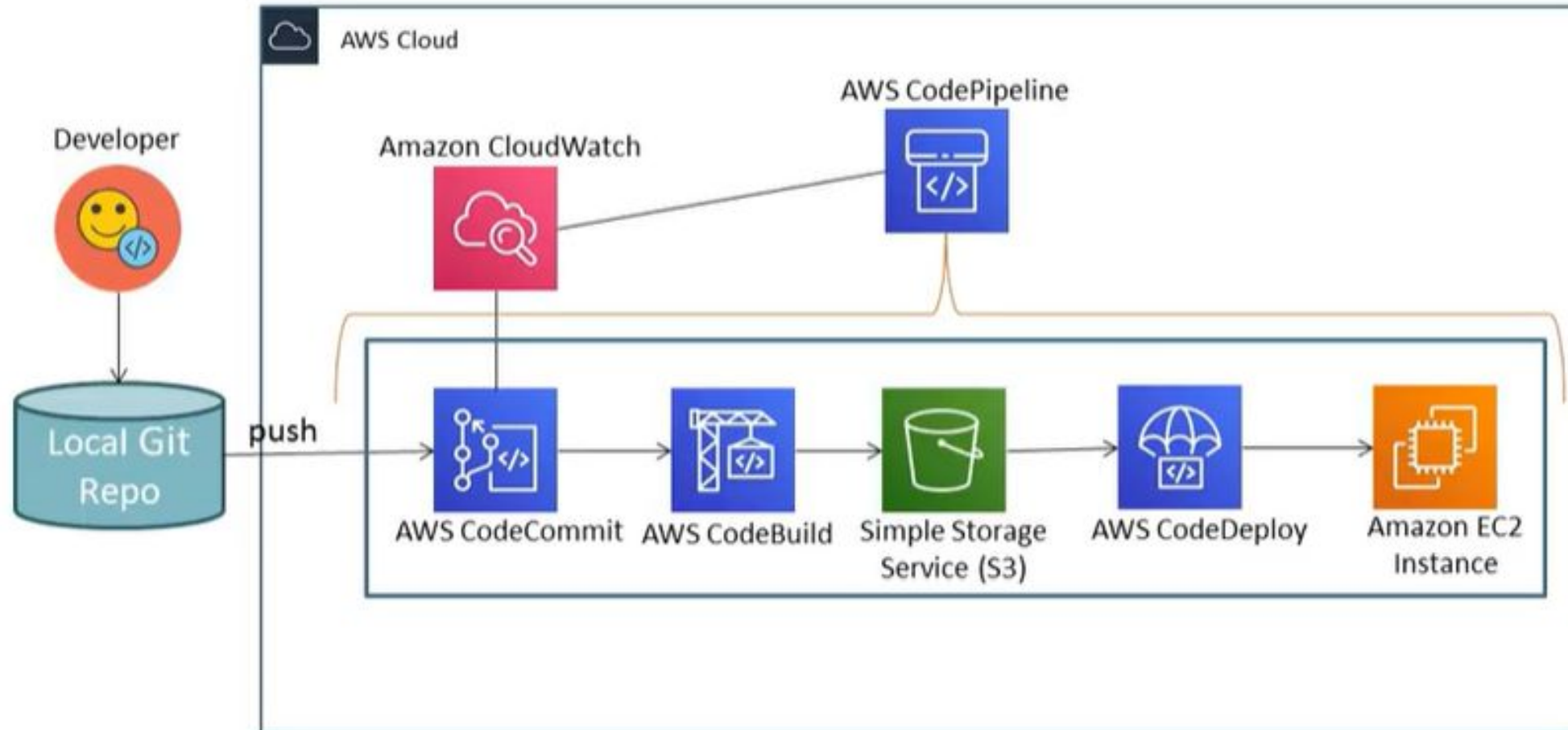
CodeBuild



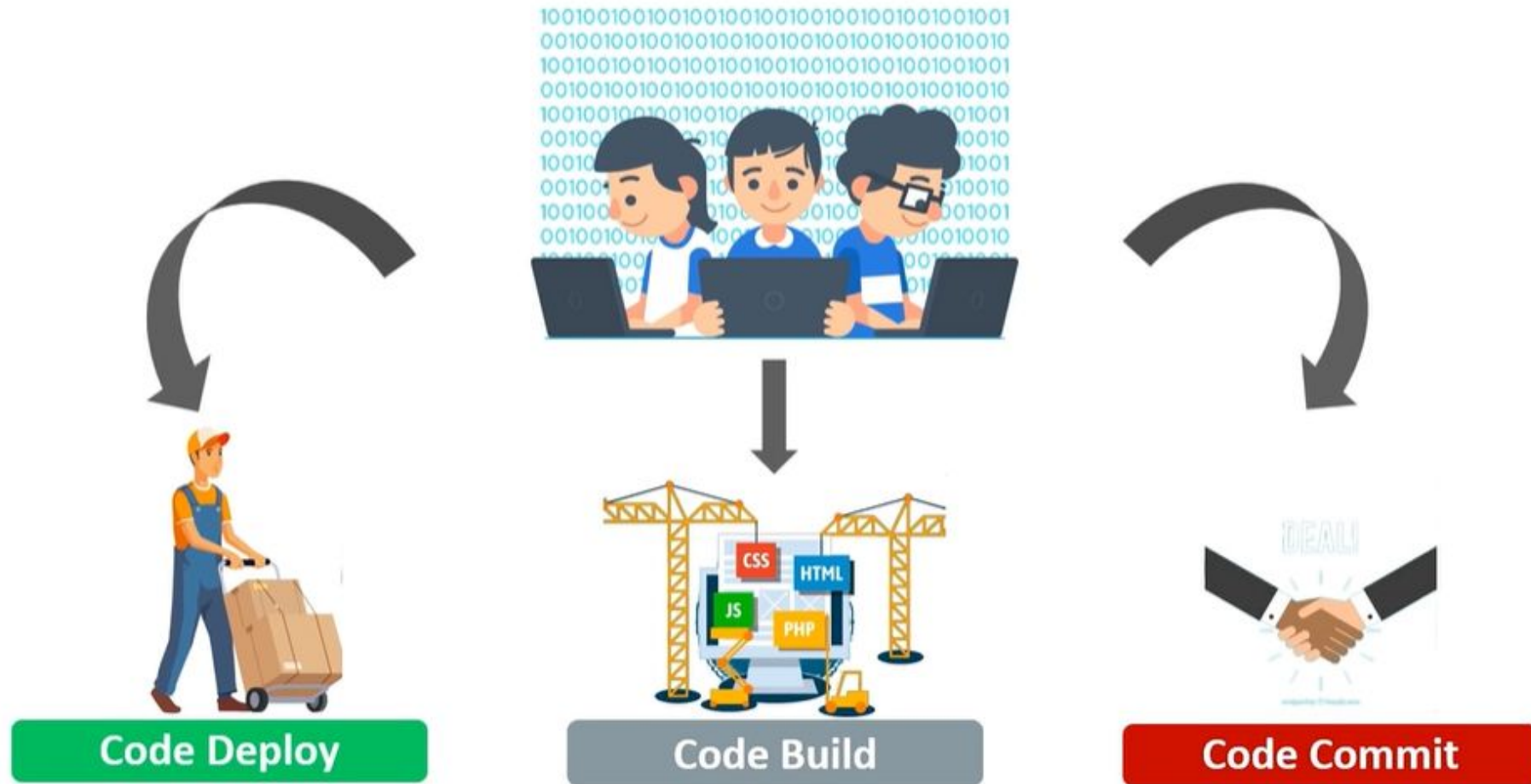
CodeDeploy

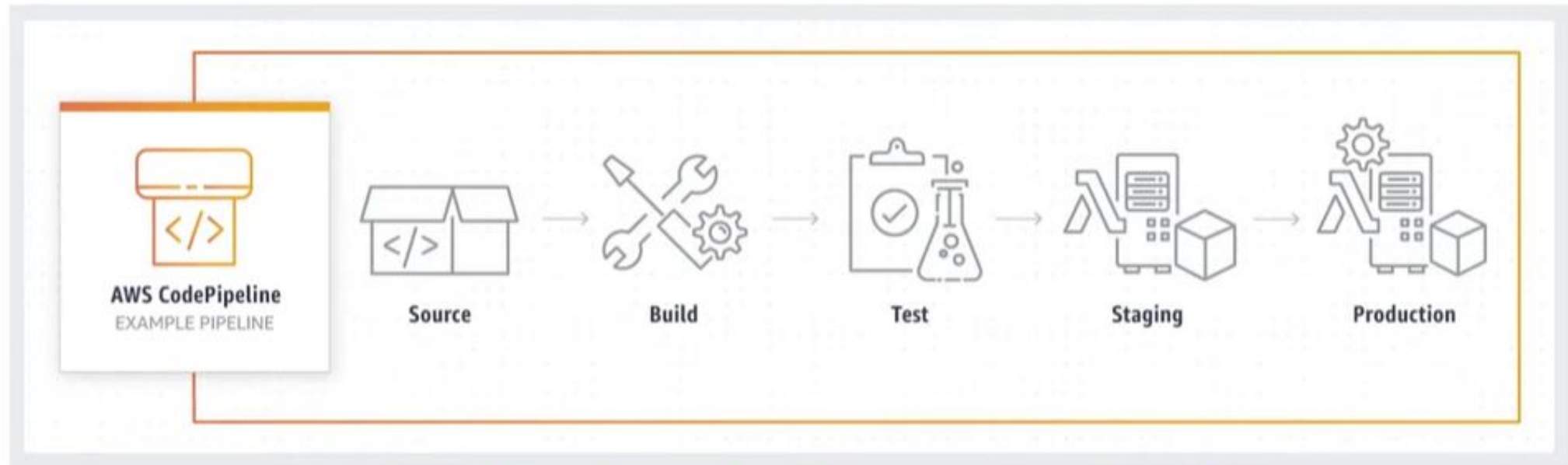


CodePipeline



Code Deploy, Code Build And Code Commit





AWS CodeCommit



AWS CodeBuild



AWS CodeDeploy