Code Deploy:

Code deploy is able to deploy applications to 3 computing platforms

1) Ec2/OnPremises

2) Lambda

3) ECS

• CodeDeploy is able to deploy applications to three compute platforms: EC2/0n•premises, Lambda, ECS.

• CodeDeployment components: Deployment Group - Deploys a revision to a set of instances. Deployment - Deploys a new revision that consists of an application and AppSpecfile .

• Deployment Configuration Settings that determine the deployment speed and the minimum number of instances that must be healthy at any point during a deployment.

• Revision A combination of an AppSpec file and application files, such as executables. configuration files. and so on. Application A collection of deployment groups and revisions.

CodeDeptoyment Deployment Types:

In-place deployment: The application on each instance in the deployment group is stopped, the latest application revision is installed, and the new version of the application is started and validated.

Blue/green deployment: The behavior of your deployment depends on which compute platform you use:

• EC2J0n•prem: The instances in a deployment group (the original environment) are replaced by a different set of instances.

Lambda: Traffic is shifted from your current serveriess environment to one with your updated Lambda function versions.

ECS: Traffic is shifted from the task set with the original version of a containerized application in an Amazon ECS service to a replacement task set in the same service. The protocol and port of a specified load balancer listener is used to reroute production traffic. During a deployment, a test listener can be used to serve traffic to the replacement task set while validation tests are run.