

Requirements:

Prerequisites

- i). IAM Roles and Policies: Create IAM roles with the necessary permissions for CodeDeploy and s3 bucket ,CodePipeline.
- ii) Install codedeploy agent on specified instance.
- ii). Attach Roles and Policies specified for ec2 machines.
- iii).Node.js Application: Have your Node.js application ready with a repository (e.g., GitHub, CodeCommit).

Steps to Deploy

- 1.Set Up the Repository
- i). Create github connection for specify github repository for your application
- 2. Setup Code Deploy
- i). Create a Deployment Application: Go to the CodeDeploy console and create a new application.
- ii). Create a Deployment Group: Define a deployment group for your application.
 - Specify the EC2 instances
 - Assign an IAM role with the necessary permissions.

Steps to Codepipeline

- 3.Set Up CodePipeline
 - i). Create a Pipeline: Go to the CodePipeline console and create a new pipeline.
 - Source Stage:
 - Choose the source provider (e.g., GitHub, CodeCommit).
 - Specify the repository and branch.
 - ii).Deploy Stage:
 - Choose AWS CodeDeploy as the deploy provider.
 - Specify the application name and deployment group.

- 4. Create appspec.yaml file:
 - i). Create appspec.yaml and attach with github repository (Its is necessary don't forget it)

version: 0.0 os: linux

files: - source: /

destination: /home/cloudpanel/htdocs/mono-test/ubuy mono repo

hooks:

BeforeInstall:

- location: scripts/before.sh

timeout: 300 runas: ubuy-mono

AfterInstall:

location: scripts/after.sh

timeout: 300 runas: ubuy-mono

Note: Choose user on basis of requirement.

Note: Create script on the basis of requirement and scenario.

Note: Prefer this referral url for appspec.yaml file.

https://docs.aws.amazon.com/codedeploy/latest/userguide/reference-appspec-file.html#appspe

c-reference-server