

CodeBuild - Create CF stack using Templates in CodeCommit

This Repo will create CloudFormation Template using CodeBuild Service.

Pre-requisites

- Create a codecommit repository and upload the files using git bash and other git commands like *git add*, *git commit* and *git push*.
- Create a Codebuild Project from AWS Console with below information:
 - For Operating system, choose Ubuntu.
 - For Runtime, choose Standard.
 - For Image, choose aws/codebuild/standard:4.0.
 - Create environment variables `ENVIRONMENT_NAME` , `VPC_ID`, `SUBNET_ID` to pass the values while executing the build job.
- Add Permissions to create IAM, EC2, CloudFormation to the CodeBuild Role.

Repository structure

- `config` - contains `buildspec.yml` file that will be used by CodeBuild Project.
- `cf_templates` - contains CF templates to create stack.
- `scripts` - contains scripts that runs aws cli commands to create CF stack

Execution information

- `Resolved source version` => Commit id of the repo , which helps you to navigate back to git repo to re-evaluate incase u have to know what code was executed by the build.

Best Practices:

- Run your Build Projects with develop or any feature branch with dev/qa as environment values only.
- Production environment build should always happen from `master/main` branch.