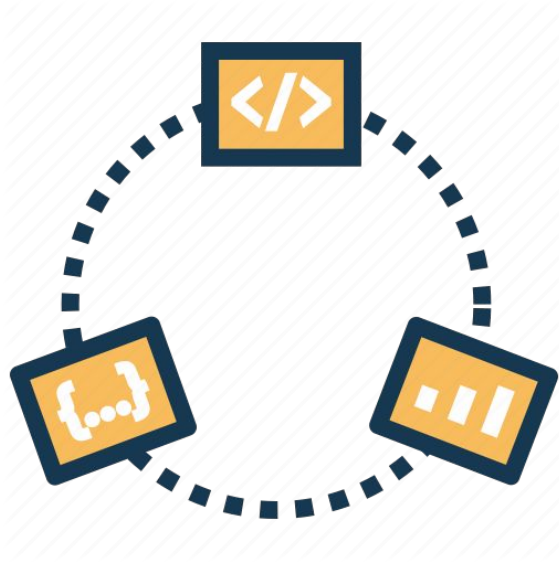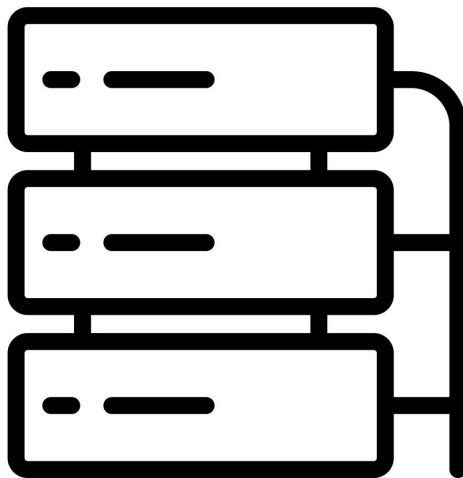# Codebuild

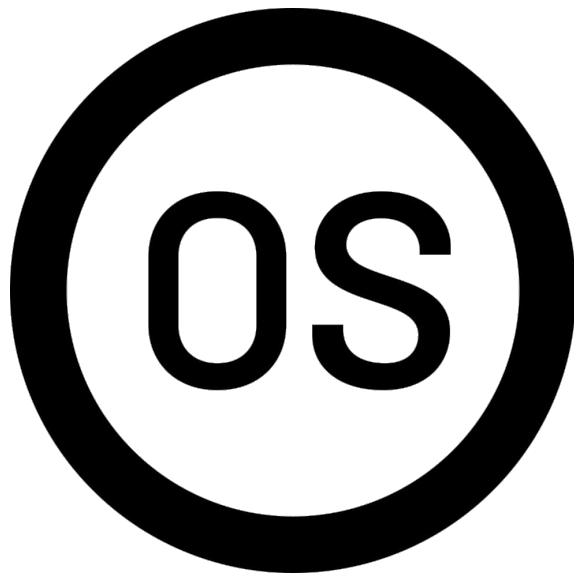Fully managed scalable build service

Codebuild for CI

Codebuild is a Continuous Integration tool

Codebuild servers

Codebuild is a group of servers that run your builds or tests based on a source.

Codebuild environments

Codebuild allows you to choose the environment you want to run your tests or builds on
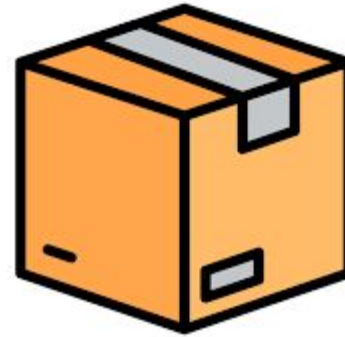
Codebuild benefits

1. Fully managed

2. On Demand

3. Out of the box

Build Project

Codebuild input information that includes:

1. Source Code location
2. How to run build (buildSpec)
3. Which environment to use
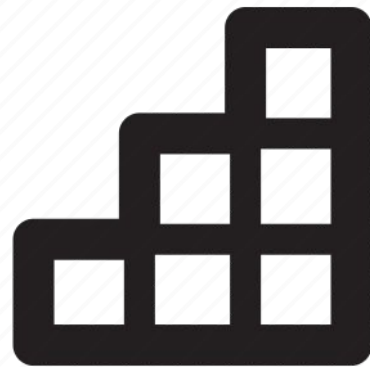4. Where to store output

BuildSpec

A file that has a collection of build commands, like build,
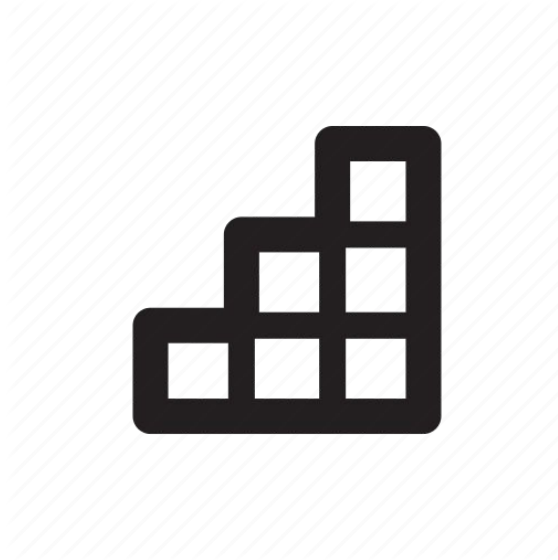pre-build, post-build

Build Environment

A combination of:
1. Operating system
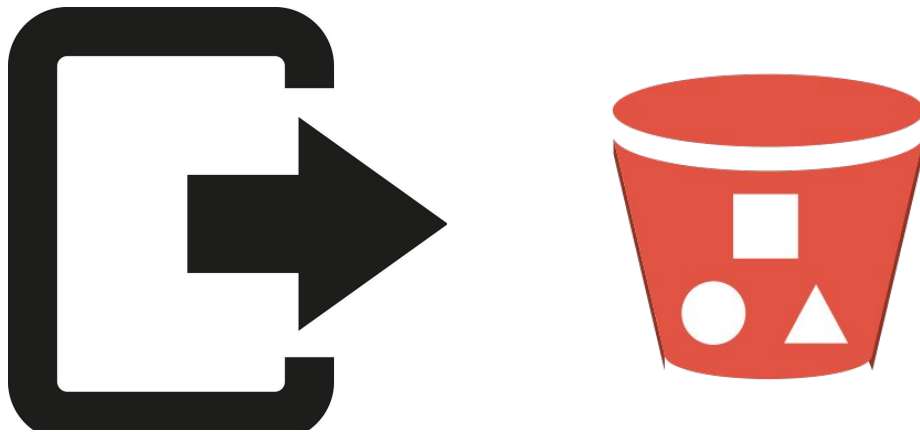2. Programming language runtime
3. Other tools

Build Environment

Codebuild uses the Build Project to create the Build Environment

Build Output

If there is any output, codebuild uploads it in a S3 bucket

Codebuild and Code Pipeline

Codebuild can work by itself
or alongside Code Pipeline