**Create Continuous Delivery Pipeline**

Set up a Git repo, deploy a sample web app, and create a continuous delivery pipeline.

**Steps:**

1.Set up a [GitHub](https://github.com/) repository for the application code

2.Create an [AWS Elastic Beanstalk](https://aws.amazon.com/elasticbeanstalk/?e=gs2020&p=cicd-intro) environment to deploy the application

-> configure aws elastic beanstalk

>create application->web server environment ->sample application ->single instance(free tier)->use an existing role or default role.

->test your web app by clicking link of application name

3.Configure [AWS CodeBuild](https://aws.amazon.com/codebuild/?e=gs2020&p=cicd-intro) to build the source code from GitHub

->configure aws codebuild

>source->connect to github->connect using OAuth->Authorize aws codesuite->select the repo

>create a buildspec file for project -> modify scripts if needed

>test the code build project

4.Use [AWS CodePipeline](https://aws.amazon.com/codepipeline/?e=gs2020&p=cicd-intro) to set up the continuous delivery pipeline with source, build, and deploy stages.

->create aws codepipeline

->configure source stage

>connect to github

> Authorize aws codesuite

->configure build stage and deploy stage

-> create a review stage in between build and deploy (manual approval)

**Workflow:**

A screenshot of a computer

Description automatically generated

1. [Set Up Git Repo](https://aws.amazon.com/getting-started/hands-on/create-continuous-delivery-pipeline/module-one/?e=gs2020&p=cicd-intro) :Set up a GitHub repository to store the application code.
2. [Deploy Web App](https://aws.amazon.com/getting-started/hands-on/create-continuous-delivery-pipeline/module-two/?e=gs2020&p=cicd-intro): Create the environment where the web application will be deployed using AWS Elastic Beanstalk.
3. [Create Build Project](https://aws.amazon.com/getting-started/hands-on/create-continuous-delivery-pipeline/module-three/?e=gs2020&p=cicd-intro) :Configure and start the build process for the application using AWS CodeBuild.
4. [Create Delivery Pipeline](https://aws.amazon.com/getting-started/hands-on/create-continuous-delivery-pipeline/module-four/?e=gs2020&p=cicd-intro): Create a pipeline to automatically build and deploy the application using AWS CodePipeline.
5. [Finalize Pipeline and Test](https://aws.amazon.com/getting-started/hands-on/create-continuous-delivery-pipeline/module-five/?e=gs2020&p=cicd-intro) :Add a review stage to the pipeline and test the pipeline.

Set Up Git Repo