

DevOps Project - 02

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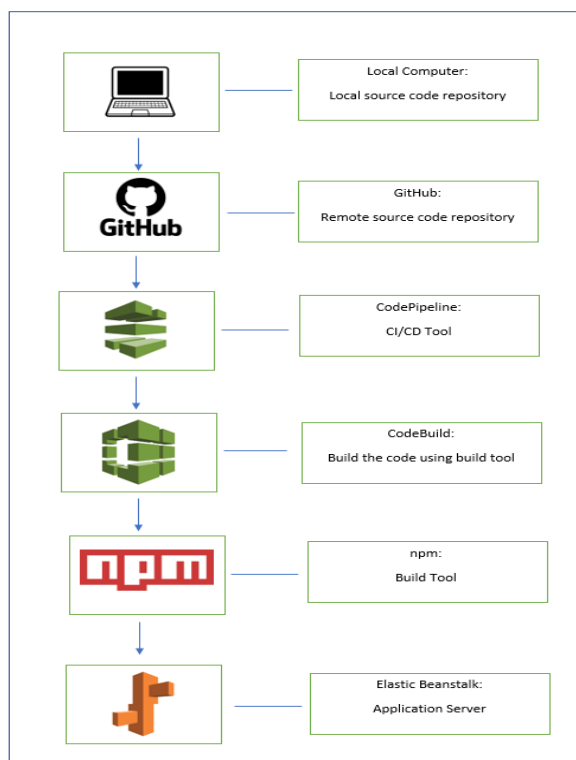
Step-1: Goal

Deploy simple NodeJS web application on elastic beanstalk server and automate the process using AWS Code Build and AWS Code Pipeline.

Step-2: Pre-Requisites:

1. GitHub
2. AWS CodePipeline
3. AWS CodeBuild
4. Build Tool - npm
5. Elastic Beanstalk

Step-3: Process Map:



Step-4: Implementation

- Create GitHub repository
- Push source code to GitHub repository from local repository
- GitHub Repository URL - https://github.com/nithingidigi3/DevOps_Project_02.git
- Go to AWS services open Elastic Beanstalk
- Create Elastic beanstalk Environment
- Go to AWS services open Code-Pipeline
- Create code pipeline
 - Clone Source code from GitHub
 - CodeBuild: Build using YAML file from source code
 - Deploy application on Elastic Beanstalk

Step-5: Validation

- Go to Elastic Beanstalk open URL in web
- Make changes in GitHub and Check web URL for Auto-Update
- Open S3 bucket download the project Artifacts to local repository