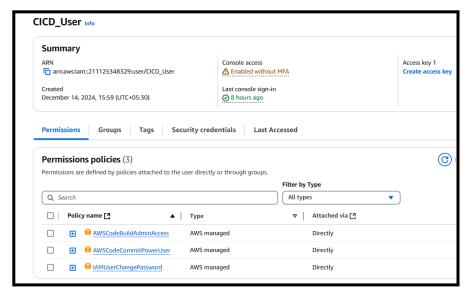# AWS CodeBuild CI Project

IAM User Creation:

- Created an IAM **user** with the necessary permissions for CodeBuild, GitHub access, and S3 (if required for storing build artifacts).
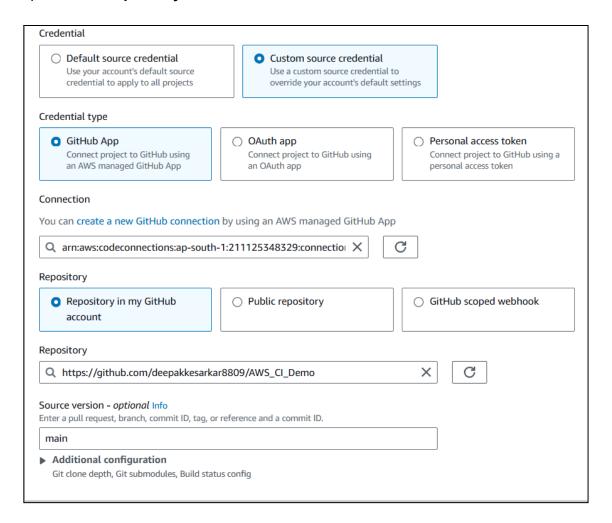

Source Code Setup:

- Created a simple **HTML file** and a **buildspec.yml** file.
- Pushed these files to a **GitHub repository**.(https://github.com/deepakkesarkar8809/AWS_CI_Demo.git)
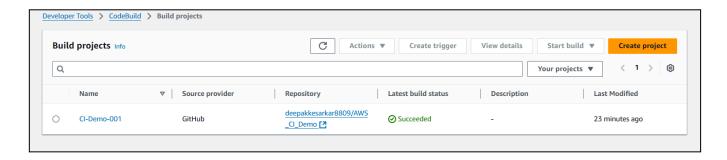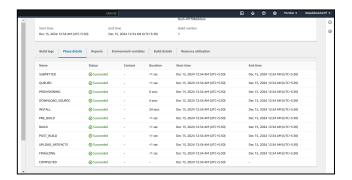
CodeBuild Configuration:

- Named the project as shown in the reference image.
- Connected **AWS CodeBuild** to the GitHub repository.
- Specified the **repository URL** and selected the **main branch** to fetch the files from GitHub.
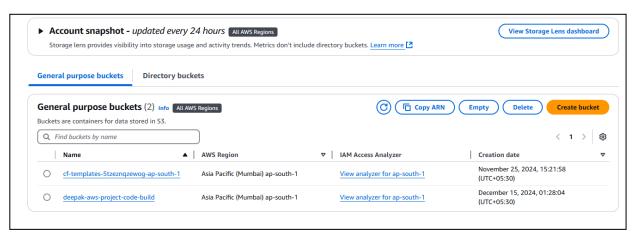

Build Execution:

- Created the build project and started the build process.
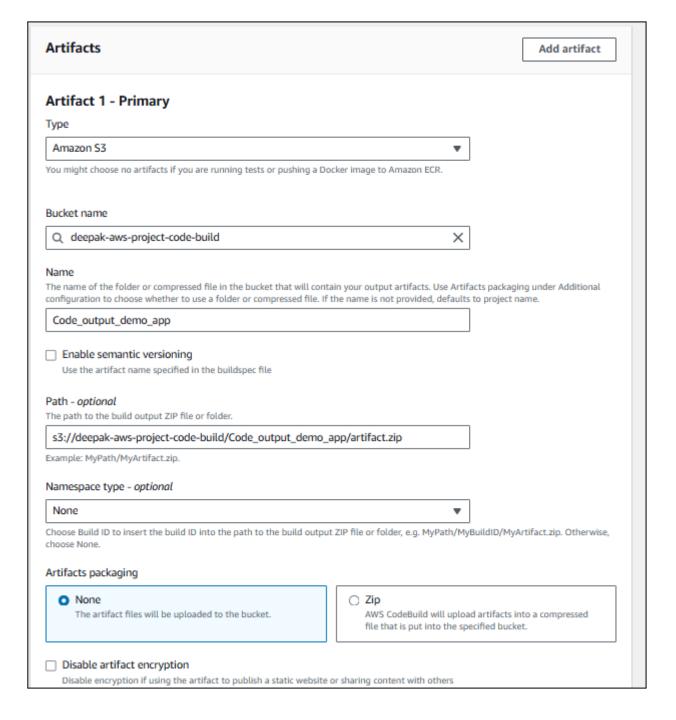- The build completed successfully.

S3 Bucket Creation:
- Created a new **S3 bucket** to store build artifacts.

Editing the Project:

- Opened the previously created **CodeBuild project**.
- Enabled **artifacts** in the project settings.
- Selected the newly created **S3 bucket** as the destination for build outputs.

Rebuilding the Project:

- Started the build process again.
- Verified that the build artifacts were successfully uploaded to the **S3 bucket**.

Files Stored Successfully:

- Verified that the build artifacts were successfully uploaded and stored in the **S3 bucket**.

If you want to learn about this project please use the below YouTube link for detail explaination:

▶ Add this AWS DevOps Project to your Resume | AWS CodeCommit | CodeBuild (Hindi)