

MANAGING A CI/CD PIPELINE WITH AWS CODE FAMILY
PROJECT 2 / 6

SETTING UP A **GIT** **REPOSITORY** WITH AWS CODECOMMIT



Muhammad Asif Sahil



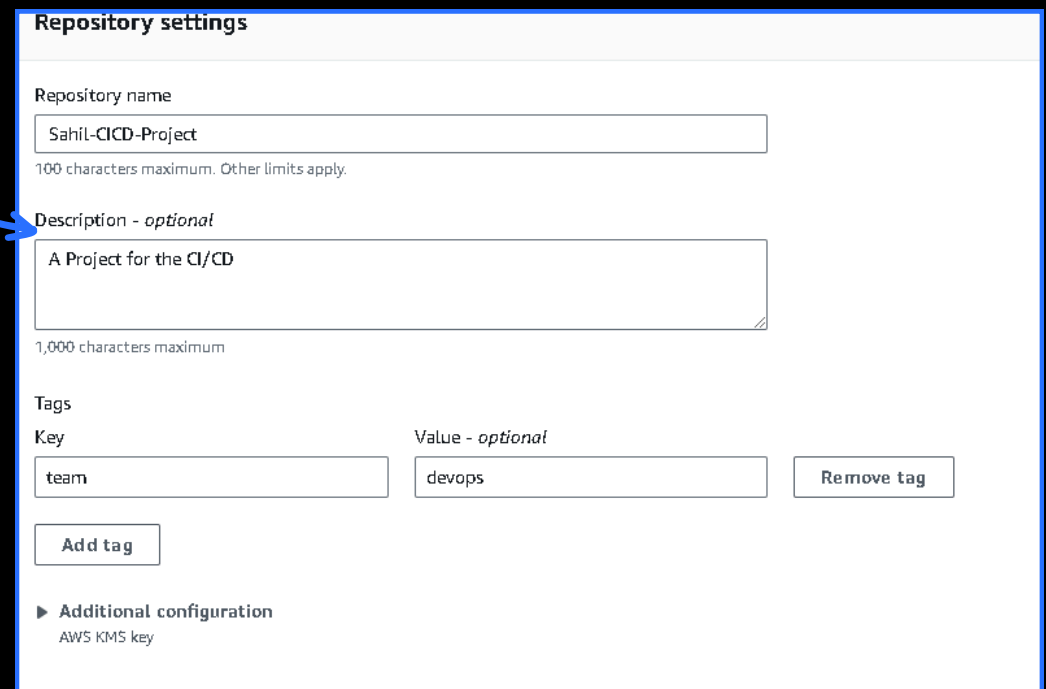
Real-Sahil

01

CREATE A GIT REPOSITORY

- Git is a distributed version control system for tracking changes in source code during software development.
- A Git repository (repo) is a storage space that tracks and manages changes to project files, allowing multiple users to collaborate on the code.
- To create a Git repository in the cloud, I used GitCommit

My setup page for a
CodeCommit repo



Repository settings

Repository name
Sahil-CICD-Project
100 characters maximum. Other limits apply.

Description - *optional*
A Project for the CI/CD
1,000 characters maximum

Tags

Key	Value - <i>optional</i>	
team	devops	Remove tag

Add tag

► Additional configuration
AWS KMS key



Muhammad Asif Sahil

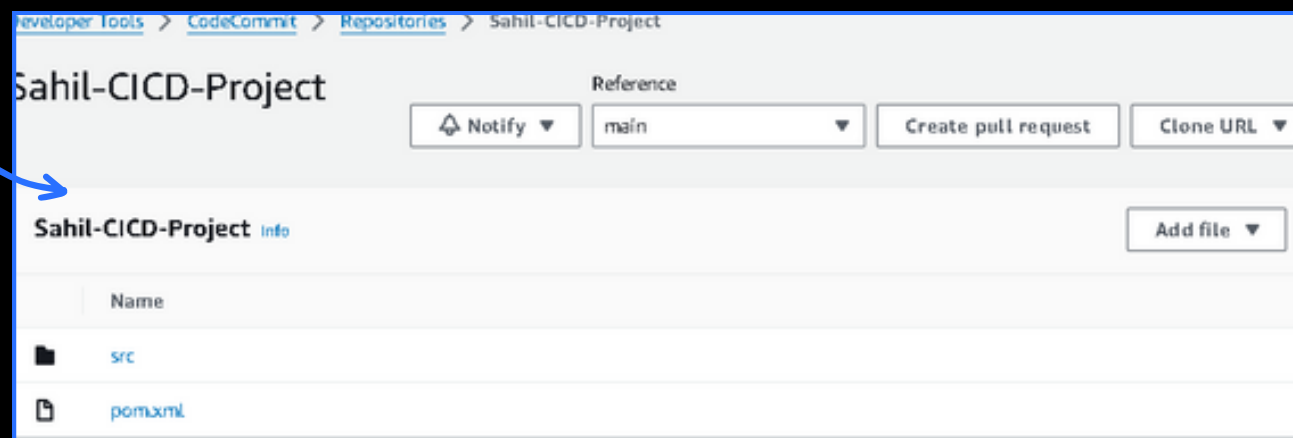
 Real-Sahil

02

MY FIRST COMMIT

- I initialised a Git repo in my web application by running git init into Colud9 IDE.
- To commit and push my code, I will have to run three different commands in order:
 - a. Add: It adds all the content.
 - b. Commit: It commits the changes.
 - c. Push: Pushes the update request to the repo.

Files I committed showing up in my CodeCommit repo!



Muhammad Asif Sahil

 Real-Sahil

GIT IN ACTION

- I wanted to see Git working in action, so I made changes to the HTML code.
- Then I tried seeing these changes in my CodeCommit repository, but this didn't work because, I did not have run the commit and push commands.
- I finally saw the changes in my CodeCommit repository after using the, add, commit and push commands.

03

My updated
index.jsp file
showing up in
CodeCommit!



The screenshot shows the CodeCommit web interface for a repository named 'Sahil-CICD-Project'. At the top, there's a 'Reference' dropdown set to 'main', and buttons for 'Notify', 'Create pull request', and 'Clone URL'. Below this, the file path 'Sahil-CICD-Project / src / main / webapp / index.jsp' is displayed with an 'Edit' button. The main content area shows the HTML code of the index.jsp file, which includes a header, a body with a heading 'Hello everyone', and two paragraphs. The first paragraph says 'This is my CICD web application project!'. The second paragraph says 'Yo! If you see this line in CodeCommit, your latest changes are saved in the origin.'.

```
1 <html>
2
3 <body>
4
5 <h2>Hello everyone</h2>
6
7 <p>This is my CICD web application project!</p>
8
9 <p>Yo! If you see this line in CodeCommit, your latest changes are saved in the origin.</p>
10
11 </body>
```



Muhammad Asif Sahil

 Real-Sahil

MY KEY LEARNINGS

01

Git is a distributed version control system for tracking changes in source code during software development.

02

A local Git repo is a version-controlled directory on your computer where you track changes to your project files.

03

A remote origin is a repository hosted on a remote server that a local Git repository can fetch from and push changes to.

04

To commit my code, I had to run three key commands: add, commit, push.



Muhammad Asif Sahil



Real-Sahil


FINAL THOUGHTS...

This project took me 35 Minutes

- Let's delete **EVERYTHING** at the end! Let's keep this project free :)
- In the next part of this 6-project series, we will use **AWS CodeArtifact** to securely store and manage the dependencies for the project.



Muhammad Asif Sahil

 Real-Sahil

FIND THIS HELPFUL?



Like this post



Leave a comment



Save for later



Let's connect!



Muhammad Asif Sahil



Real-Sahil