**Version Control Project.**

**Implementation of Git Repository for applications and Infrastructure code using AWS CodeCommit and developing a Proof-of-Concept process of commit, push and revert code changes.**

**Solution:**

A screenshot of a computer

Description automatically generated

**Step 1 Create 2 Git Repos on AWS CodeCommit and connect on AWS Cloud9**

**Human-gov-application**

**Human-gov-infrastructure**

**Configure the AWS CLI credentials helper on your AWS Cloud9 EC2 development environment.**

**# Config for DevOps Engineer**

**git config --global user.name "Jean Rodrigues - DevOps Engineer"**

**git config --global user.email jrodrigues@humangov.com**

**git config --global credential.helper '!aws codecommit credential-helper $@'**

**git config --global credential.UseHttpPath true**

**In the terminal run the git clone command, specify the HTTPS clone URL of the repository you want to clone. Clone the repo named human-gov-infrastruture.**

**git clone <https://git-codecommit.us-east-1.amazonaws.com/v1/repos/human-gov-infrastructure>**

**git clone** [**https://git-codecommit.us-east-1.amazonaws.com/v1/repos/human-gov-application**](https://git-codecommit.us-east-1.amazonaws.com/v1/repos/human-gov-application)

**Step 2: Using AWS Cloud9, perform poc process of commit, push and revert code changes.**

**A). As Software Dev 1**

**Create and configure a Cloud9 environment to simulate Software dev working environment.**

**git config --global user.name "Software Developer 1"**

**git config --global user.email dev1@humangov.com**

**git config --global credential.helper '!aws codecommit credential-helper $@'**

**git config --global credential.UseHttpPath true**

**Clone the Code Commit repo human-gov application**

**git clone** [**https://git-codecommit.us-east-1.amazonaws.com/v1/repos/human-gov-application**](https://git-codecommit.us-east-1.amazonaws.com/v1/repos/human-gov-application)

**Create a file index.html inside of the repo.**

**<!DOCTYPE html>**

**<html>**

**<head>**

**<title>My Website</title>**

**</head>**

**<body>**

**<header>**

**<h1>Welcome to HumanGov!</h1>**

**<nav>**

**<ul>**

**<li><a href="#">Home</a></li>**

**<li><a href="#">About</a></li>**

**<li><a href="#">Contact</a></li>**

**</ul>**

**</nav>**

**</header>**

**<main>**

**<p>This is a PoC for HumanGov Git Repository.</p>**

**</main>**

**<footer>**

**<p>© My Website. All rights reserved.</p>**

**</footer>**

**</body>**

**</html>**

**Commit and push the first commit.**

**git add .**

**git commit -m "first commit"**

**git push -u origin master**

**Create a typo in the Header, commit and push the changes.**

**B). As Software Dev 2**

**Create and configure a Cloud9 environment to simulate Software Dev 2 working environment.**

**git config --global user.name "Software Developer 2"**

**git config --global user.email dev2@humangov.com**

**git config --global credential.helper '!aws codecommit credential-helper $@'**

**git config --global credential.UseHttpPath true**

**Clone the Code Commit repo human-gov-application**

**git clone** [**https://git-codecommit.us-east-1.amazonaws.com/v1/repos/human-gov-application**](https://git-codecommit.us-east-1.amazonaws.com/v1/repos/human-gov-application)

Revert the last commit.

**git log**

**git revert <hash>**

**Change the Header to H2**

**Commit the change.**

**git add .**

**git commit -m "fixed header size"**

**Push changes to the remote repository**

**git status**

**git push -u origin master**