MIGRATING GIT REPOSITORY TO AWS CODE COMMIT

In this project we need to follow maily 4 required steps which are below:

STEP 1 : Required prerequisites that need to be installed and configured before starting the project.

STEP 2 : Creating CodeCommit repository.

**STEP 3** : Clone the repository and push to AWS CodeCommit repository.

**STEP 4** : View files in CodeCommit.

STEP 1

- Firstly,we have to create an Amazon web services account and sign up with your details.
- On the AWS Console app, go to IAM and make sure you create one User.
- Now open your console and type IAM.
- In the IAM navigation panel, go to users that you have created.

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- Now open your user and you will be able to see permissions, open permissions and click on add permissions.
- Next click on existing policies and search for AWSCodeCommit PowerUser policy.
- Click next on it and attach the policy to the user.

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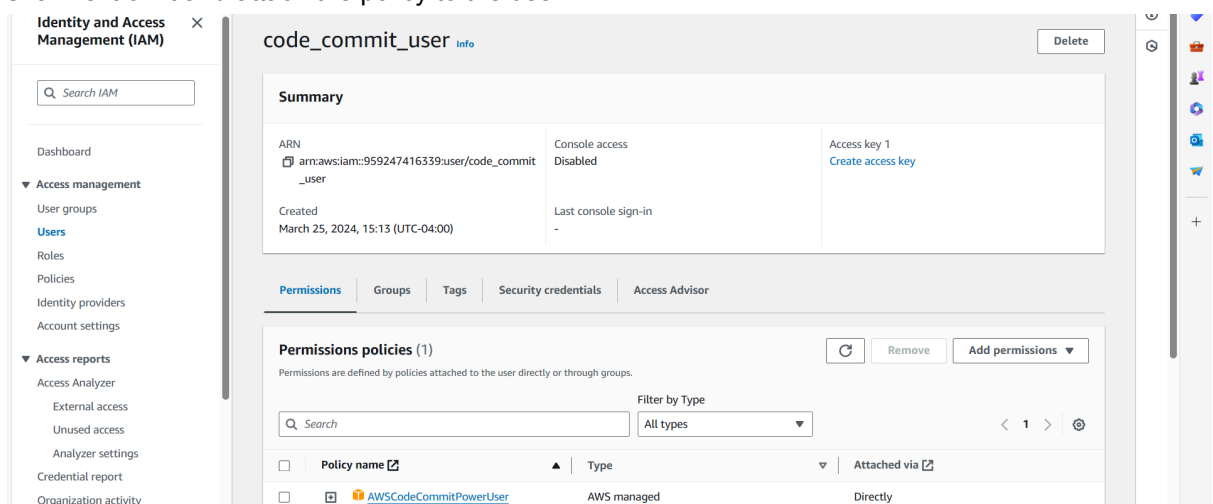
- Click on Security Credentials and scroll down and you will be able to see HTTP Git Credentials.
- Click on the Generate credentials and download them.
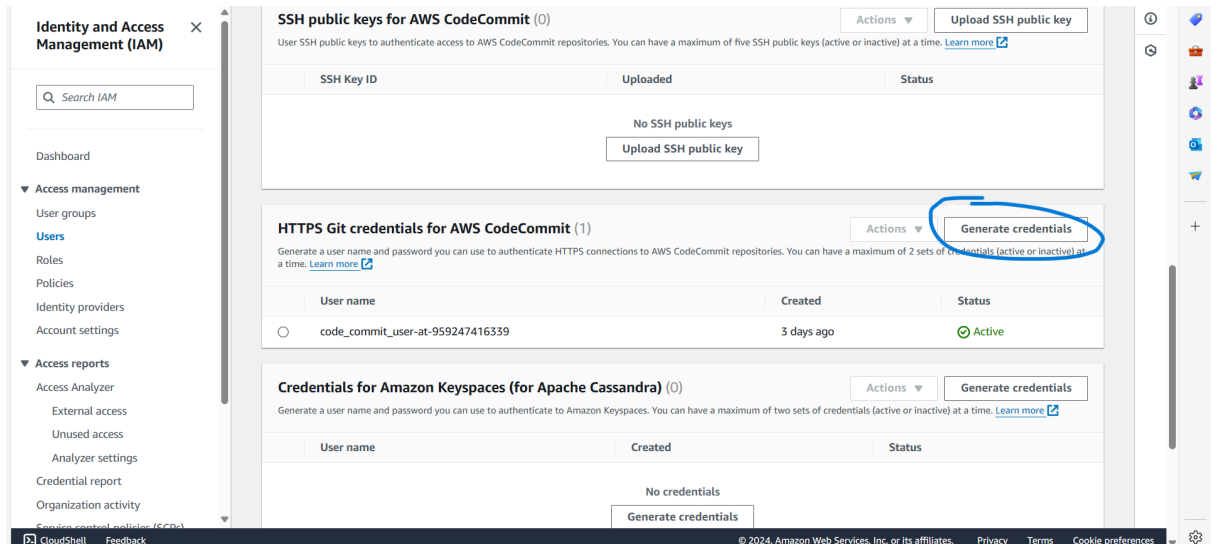
- Next on your local computer open terminal and configure AWS CLI using command:
- Aws configure
- You will be asking AWS Access key ID :
  - AWS Secret Access Key :
  - Default region name :
  - Default output format :
- AWS Access key is your user name from the credentials you downloaded and AWS Secret Access is password from the same credentials.
- Default region is the region from where you are accessing it will be on top right on your console.
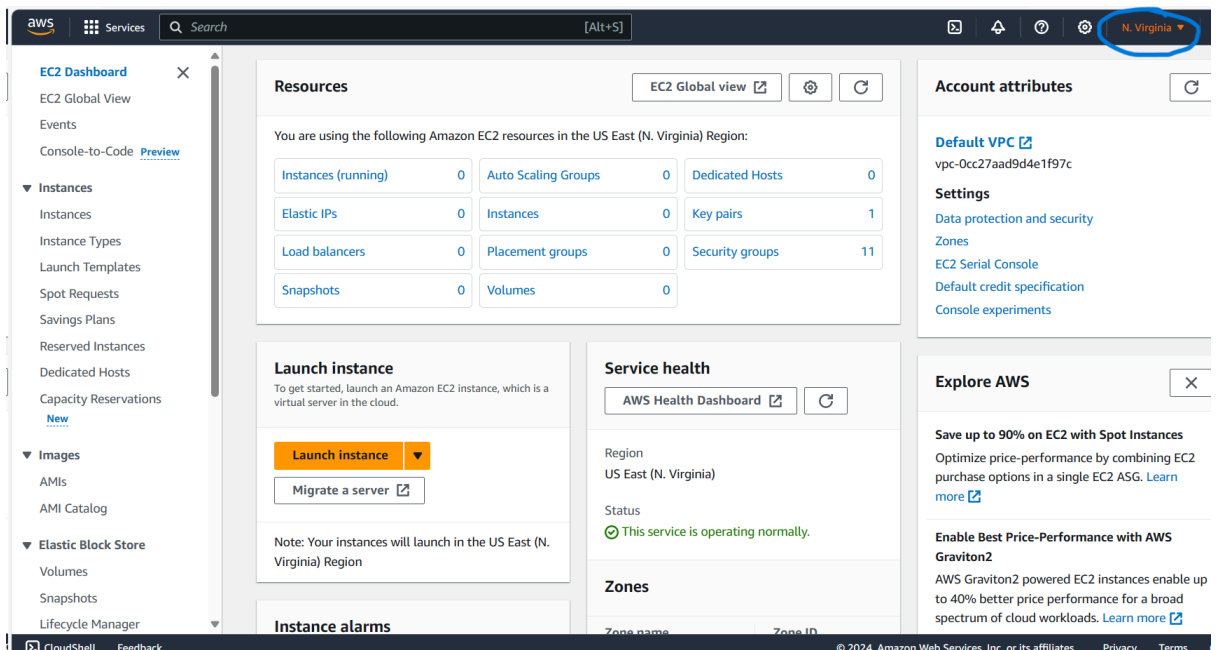
- Default Format : json.

STEP 2 : CREATING CODE COMMIT REPOSITORY

- On the console search for CodeCommit and open it.
- Click on Create Repository and you will seen as
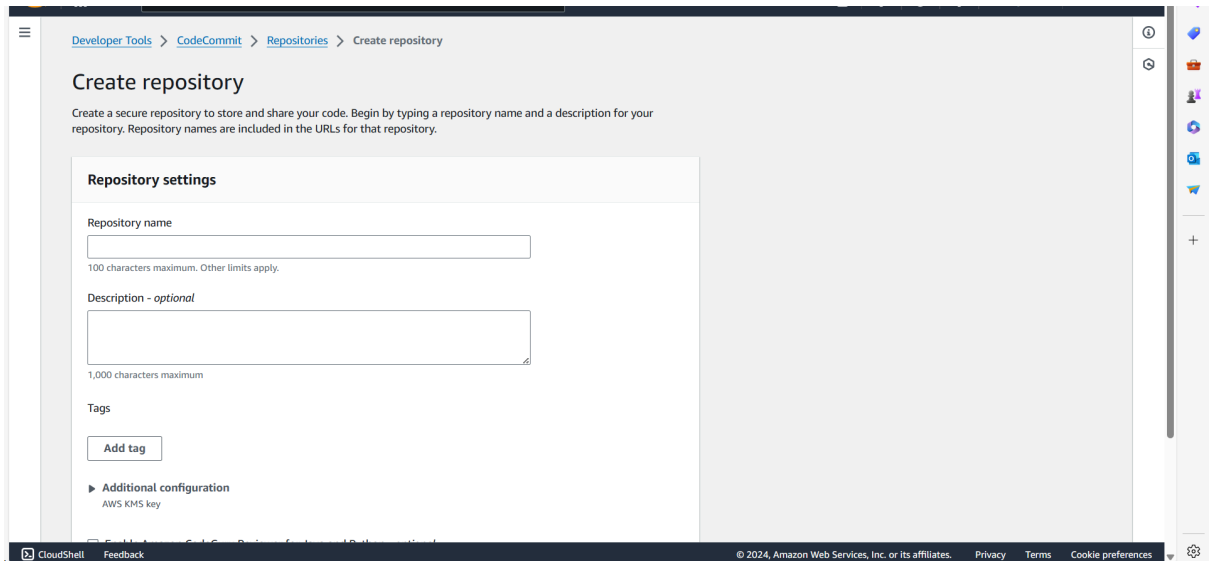
- Enter the repository name and leave everything as default.
- Next click on create repository.
- When you open repositories you will be able to see the created repository.

STEP 3 : CLONING REPOSITORY AND PUSHING TO AWS CODECOMMIT

- Open terminal in your local computer and type the following command
  git clone --mirror https://github.com/awslabs/aws-demo-php-simple-app.git
  aws-codecommit-demo
- The above command includes demo applications in it,when you clone this to your local system a few sets of files will be saved in your user section.
- Use this command in your terminal to change the directory
  `cd aws-codecommit-demo`
- Now open your AWS console and search CodeCommit.
- Open your repositories and copy the URL from HTTP .
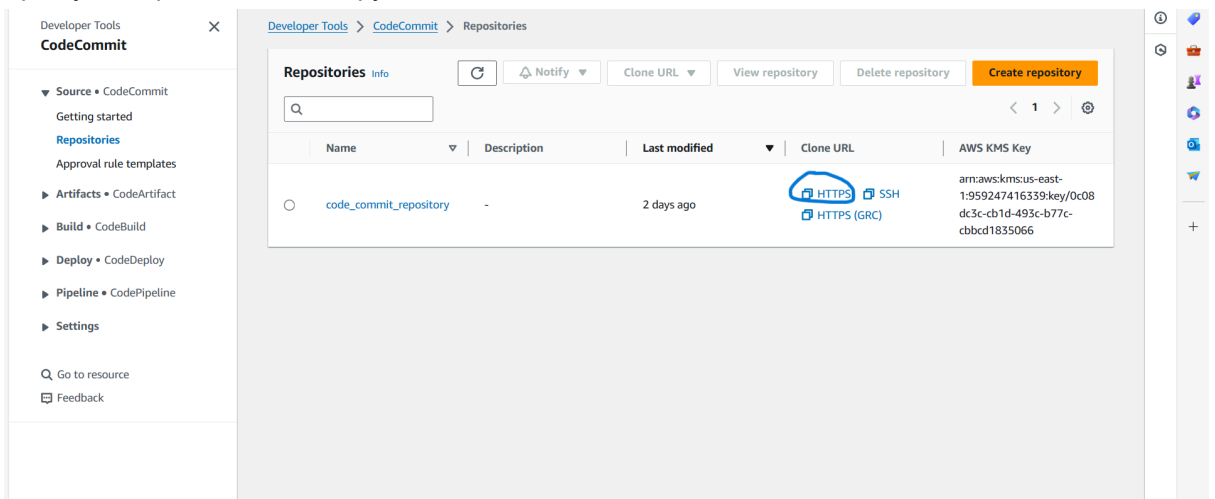
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- Now on your terminal enter the command : git push copy your url -all
  ex: git push
  https://git-codecommit.us-east-2.amazonaws.com/v1/repos/MyClonedRepository --all
- When you hit enter you will be asking to enter AWS Credentials.
- Enter the credentials that you have downloaded from the user.

STEP 4 : VIEW FILES IN CODECOMMIT

- Open AWS console search for CodeCommit.
- Open repositories and click on the existing repositories.
- View the files in your repository.