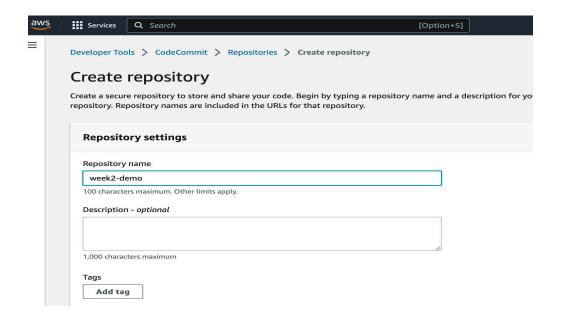
AWS DEVOPS CODEPIPELINE

Stage1

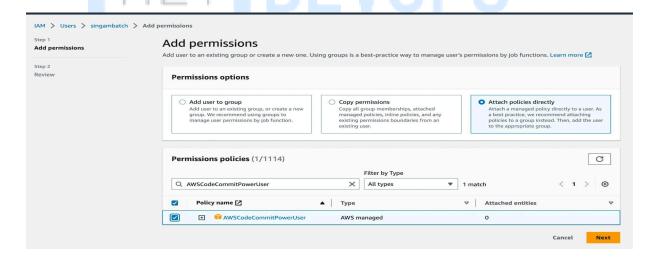
Step 1 - Use the CodeCommit console to create the CodeCommit repository





Step 2- Create the IAM user role for codecommit and add the policy as permission: [singambatch]

AWSCodeCommitPowerUser - Add as permission to user



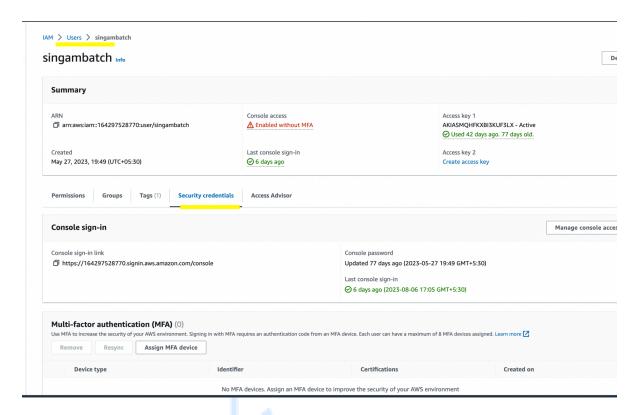
Step3: Clone your aws codecommit repo in your local, Make sure you have the aws configure command already set up to access aws cli.

Clone repo -



Step 3.1:

Step 3: Create Git credentials for HTTPS connections to CodeCommit After you have installed Git, create Git credentials for your IAM user in IAM. To set up HTTPS Git credentials for CodeCommit 1. Sign in to the AWS Management Console and open the IAM console at https://console.aws.amazon.com/iam/Ci. Make sure to sign in as the IAM user who will create and use the Git credentials for connections to CodeCommit. 2. In the IAM console, in the navigation pane, choose Users, and from the list of users, choose your IAM user. (**) Note Vou can directly view and manage your CodeCommit credentials in My Security Credentials. For more information, see View and manage your credentials. 3. On the user details page, choose the Security Credentials tab, and in HTTPS Git credentials for AWS CodeCommit, choose Generate. SSH keys for AWS CodeCommit User SSH youth keys to authenticate to AWS CodeCommit repositories. Learn more about SSH keys Users Politics Politics Politics Politics Credentials for AWS CodeCommit Generate HTTPS Git credentials for AWS CodeCommit Generate Generate



Step 4 - git clone

https://git-codecommit.us-west-1.amazonaws.com/v1/repos/weeek2-demo

git clone --mirror

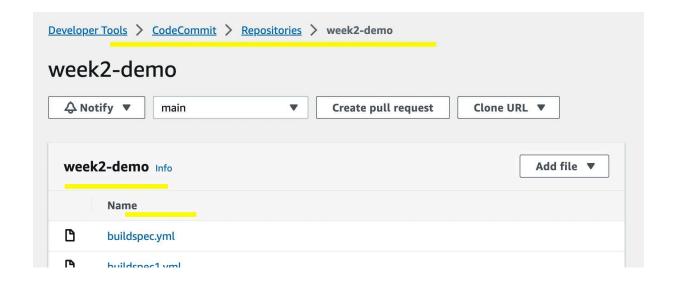
https://github.com/praveen1994dec/aws_pipeline.git github-repo

cd github-repo

git push

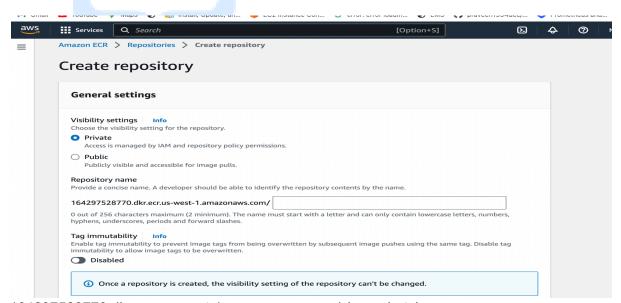
https://git-codecommit.us-west-1.amazonaws.com/v1/repos/weeek2-demo-all

Step 5- Go to code commit and check the repo details



Stage2: Configure CodeBuild

Create Repository in Elastic Container Registry

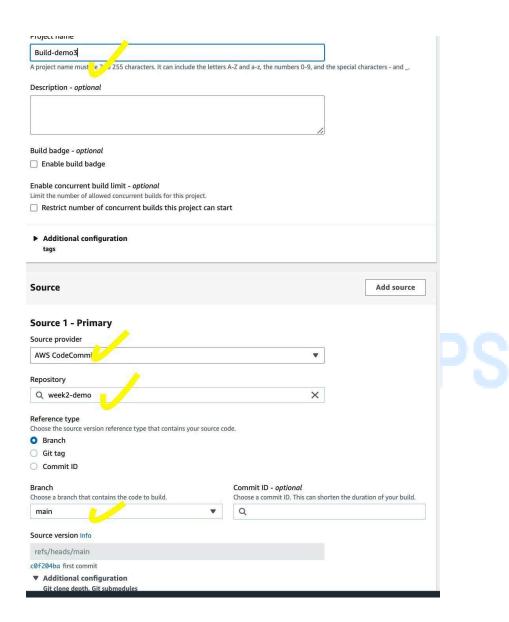


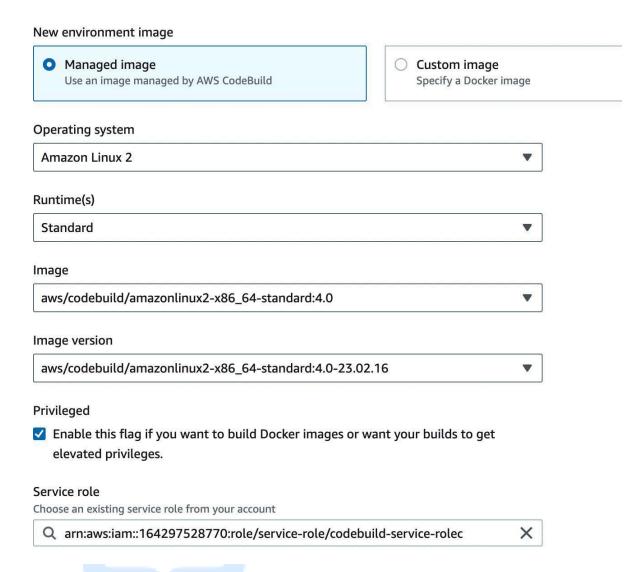
164297528770.dkr.ecr.us-west-1.amazonaws.com/singambatch

2.1 -> #Setup a CodeBuild project

Click on create code build project -> select repository -> select branch -> and add the below data

Select the PRIVILEGED checkbox





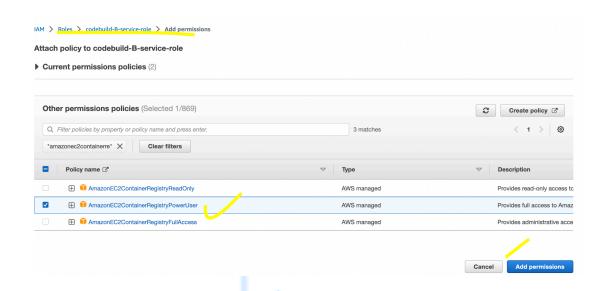
FILL THE ENV VARIABLES:

O / Go memory, 4 veros				
○ 15 GB memory, 8 vCPUs				
○ 145 GB memory, 72 vCPU	Js			
Environment variables				
Name	Value	Type		
AWS_DEFAULT_REGION	us-west-1	Plaintext	•	Remove
AWS_ACCOUNT_ID	164297528770	Plaintext	•	Remove
IMAGE_TAG	latest	Plaintext	•	Remove
IMAGE_REPO_NAME	demo3	Plaintext	▼	Remove
Add environment varial	ole			
Create parameter				

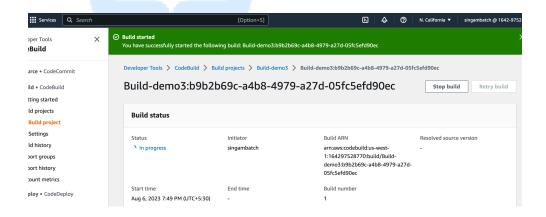


CloudWatch	1	
	t ch logs - <i>optional</i> this option will upload build output logs to CloudWatch.	
Group name		
demo3		
Stream nam	e	
demo3		
S3		
S3 logs -	optional	
	this option will upload build output logs to S3.	

2.2 -> Go to codebuild IAM role and attach this policy so that the codebuild can access ECR - AmazonEC2ContainerRegistryPowerUser

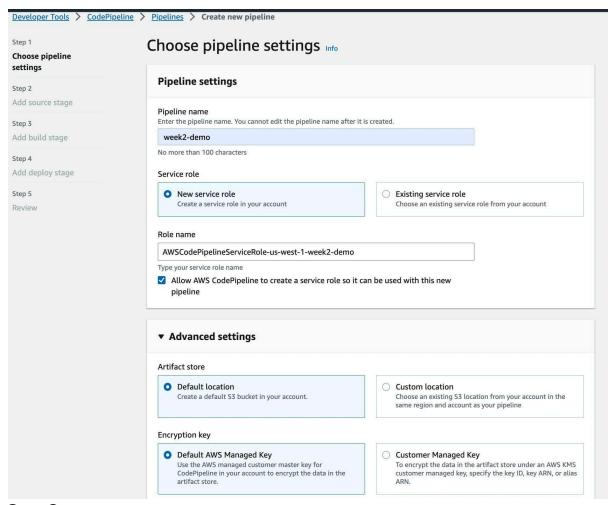


2.3 - Go to codebuild -> Run the build

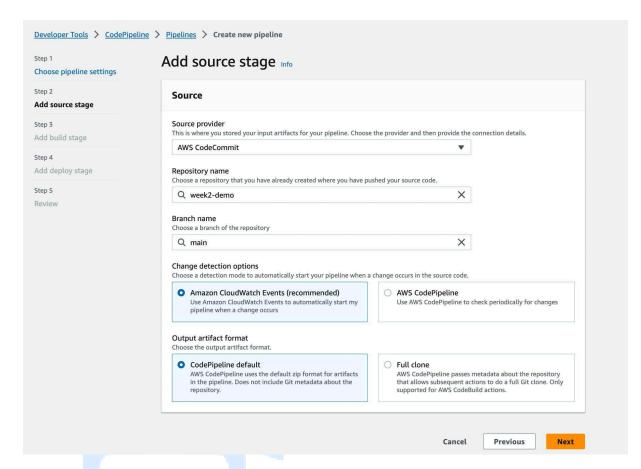


Stage3 - Create a CodePipeline

Step1 - Create the code pipeline



Step2-



HEY DEVOPS

Step3 -

Developer Tools > CodePipeline > Pipelines > Create new pipeline Add build stage Info Choose pipeline settings Build - optional Add source stage Build provider
This is the tool of your build project. Provide build artifact details like operating system, build spec file, and output file names Add build stage AWS CodeBuild Add deploy stage US West (N. California) Project name
Choose a build project that you have already created in the AWS CodeBuild console. Or create a build project in the AWS CodeBuild console and then return to this task. X or Create project ☑ Q build-job-pipeline Environment variables - optional
Choose the key, value, and type for your CodeBuild environment variables. In the value field, you can reference variables generated by CodePipeline. Learn more Add environment variable Build type Single build Triggers a single build. Batch build
 Triggers multiple builds as a single execution. Cancel Previous Skip build stage Next

Step4 -

Skip the deploy stage and save [The pipeline will trigger]

Нарру

Learning,

Singam

