Launch 2 instances

- Testing
- Production

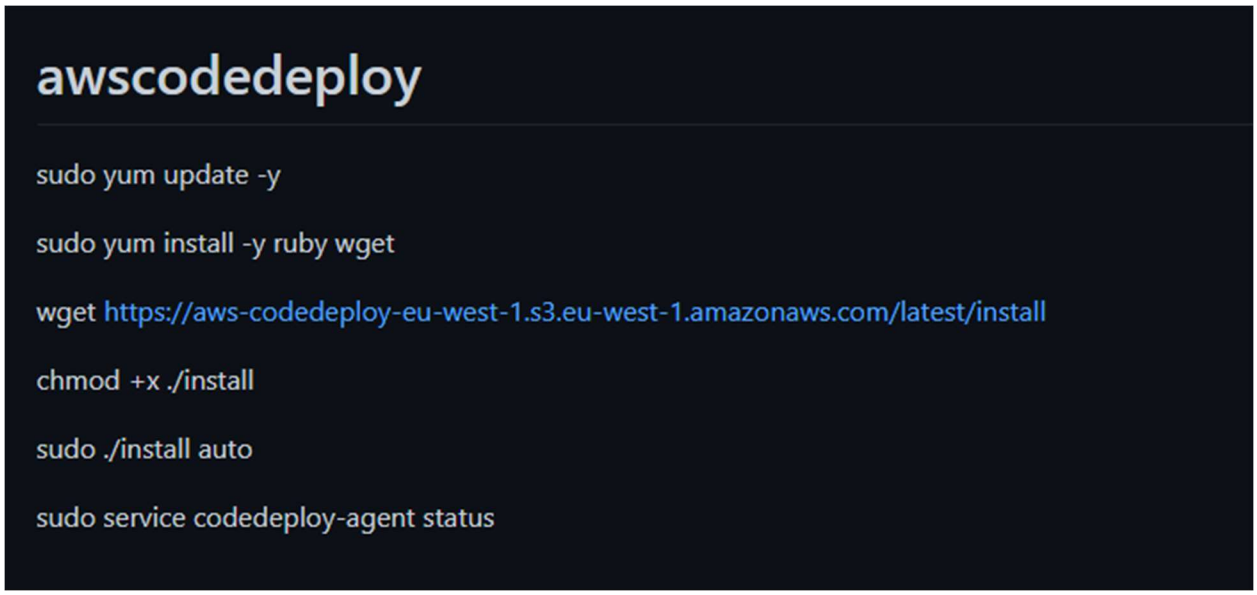
Give them tag (testing, production)

Now we want our code deploy to configure webserver

Two things it require

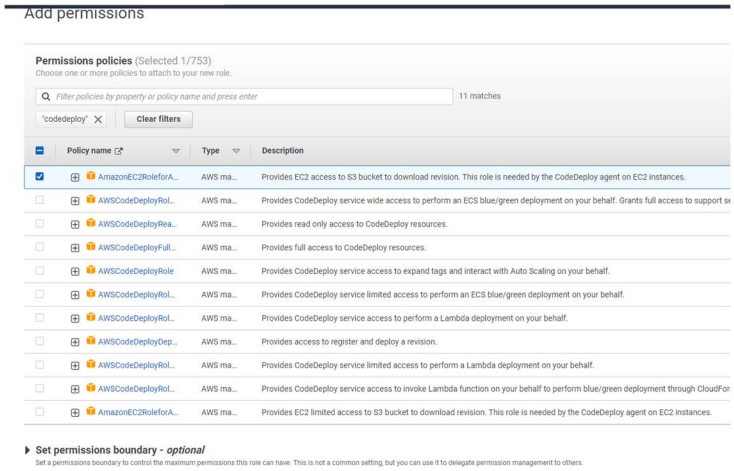
- Code deploy agent
- Role (ec2 to contact to code deploy)

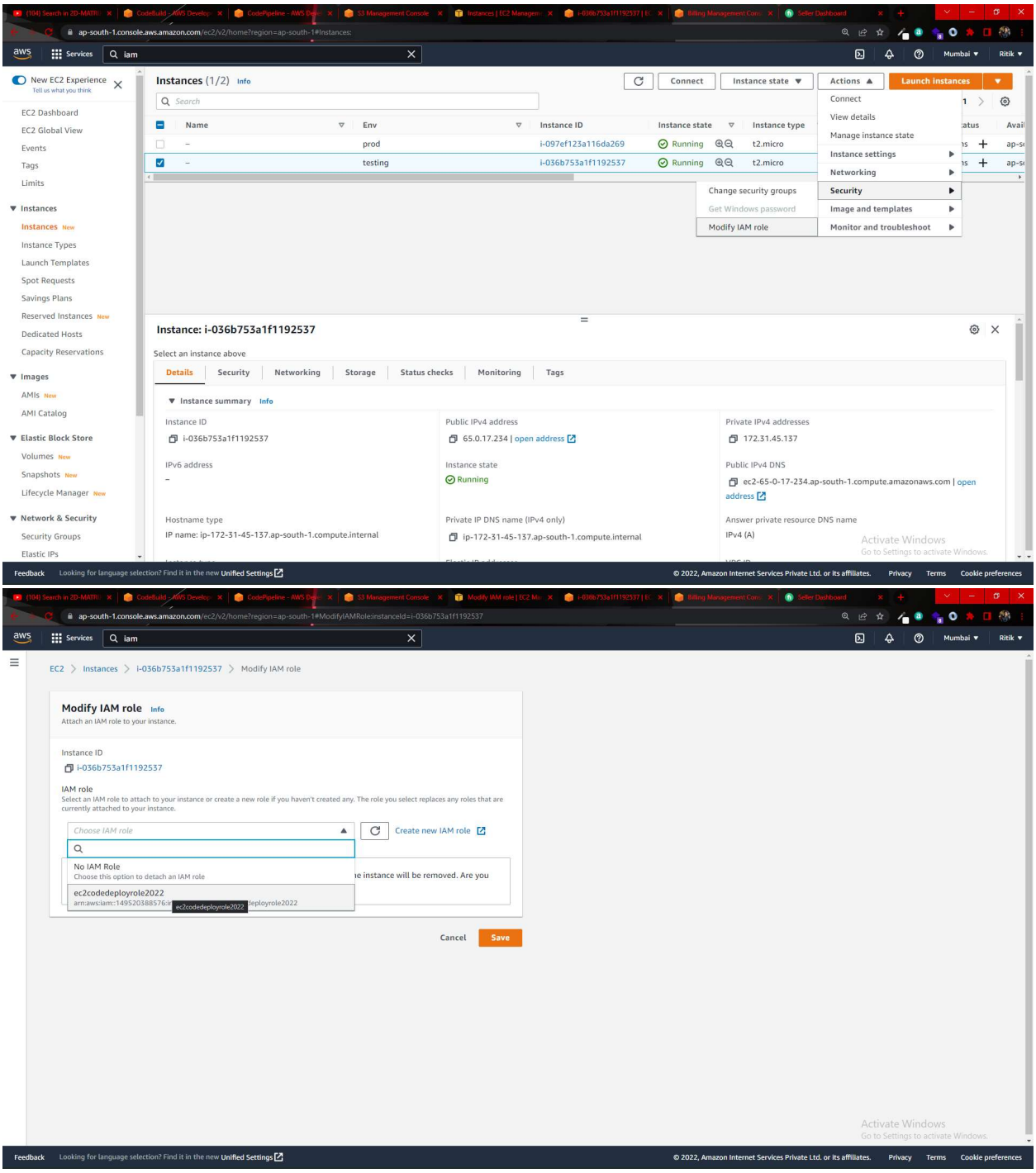
Connect to Ec2 – testing & install the agent using these steps



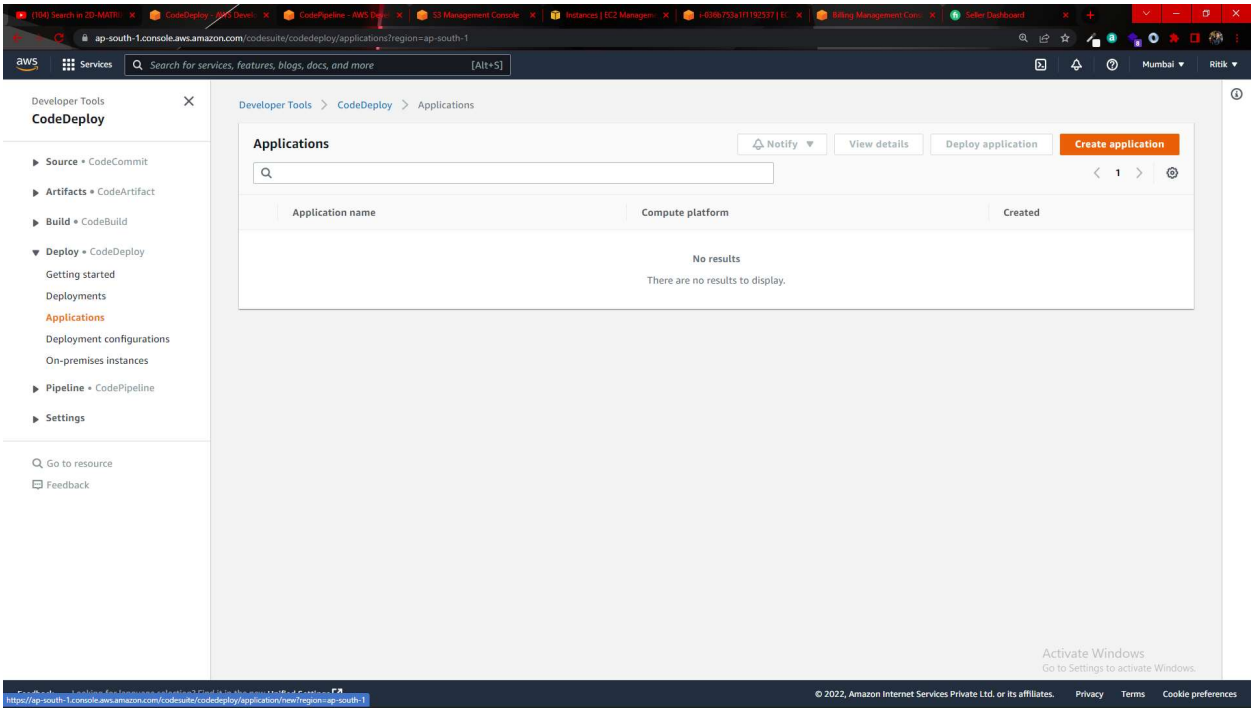
To give ec2 some power to connect to code deploy we need to give some role to it

Add new role Select ec2 n then

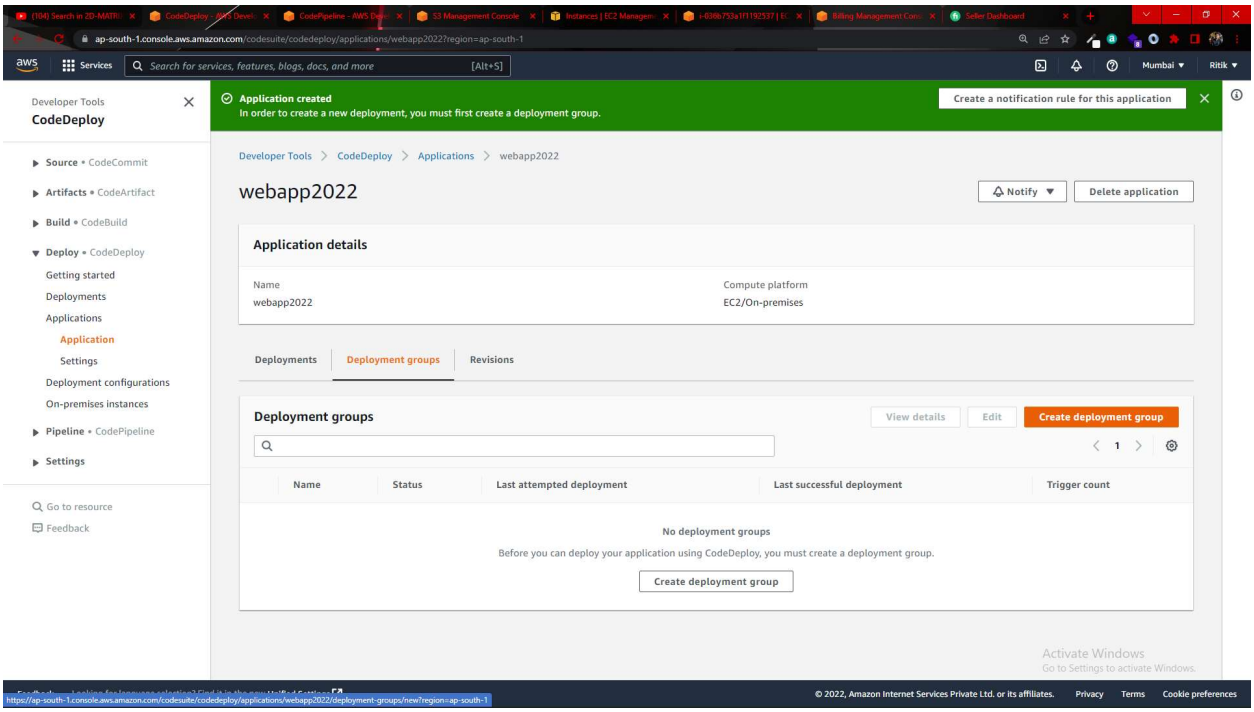




Create new application in code deploy



Now create deployment group



Create code deploy role

Use case

Allow an AWS service like EC2, Lambda, or others to perform actions in this account.

Common use cases

- EC2
  Allows EC2 instances to call AWS services on your behalf.
- Lambda
  Allows Lambda functions to call AWS services on your behalf.

Use cases for other AWS services:

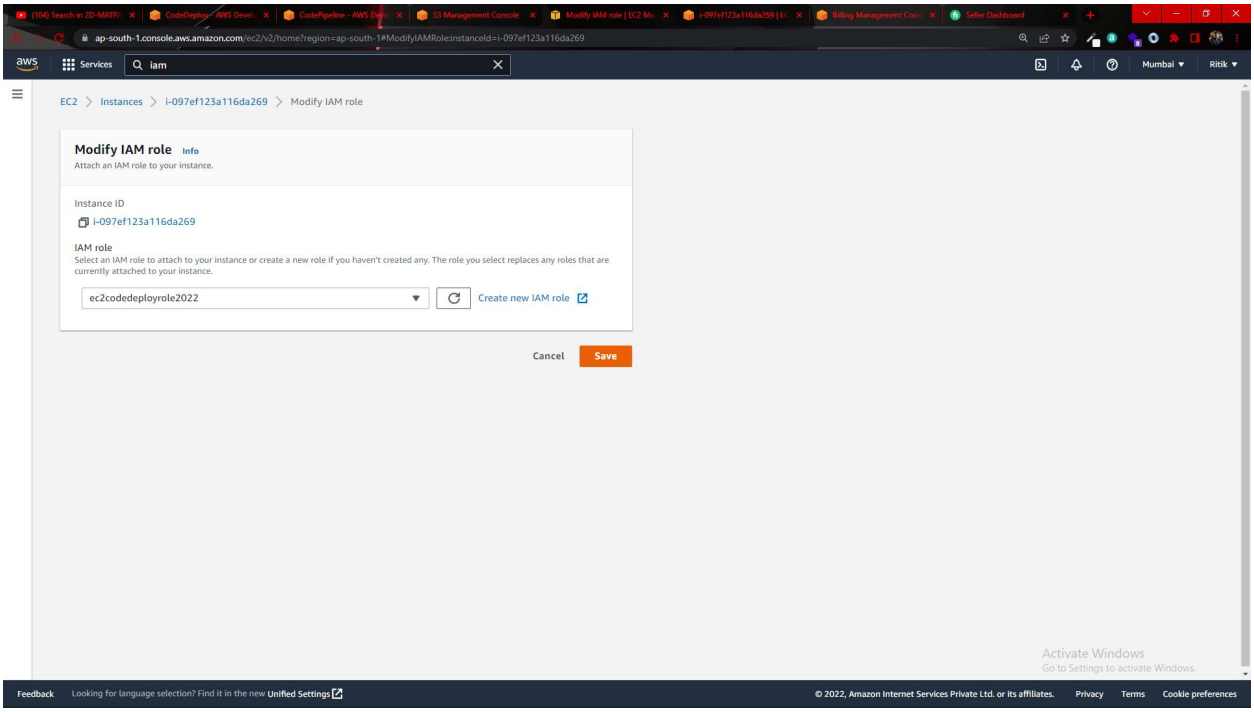
CodeDeploy

- CodeDeploy
  Allows CodeDeploy to call AWS services such as Auto Scaling on your behalf.
- CodeDeploy for Lambda
  Allows CodeDeploy to route traffic to a new version of an AWS Lambda function version on your behalf.
- CodeDeploy - ECS
  Allows CodeDeploy to read S3 objects, invoke Lambda functions, publish to SNS topics, and update ECS services on your behalf.

Cancel Next

Now configure prod env also

Attach role to connect to code deploy


ap-south-1.console.aws.amazon.com/ec2/v2/home?region=ap-south-1#ModifyIAMRole:instanceId=i-097ef123a116da269
aws
Services
iam
Mumbai
Ritik
EC2 > Instances > i-097ef123a116da269 > Modify IAM role
Modify IAM role Info
Attach an IAM role to your instance.
Instance ID
i-097ef123a116da269
IAM role
Select an IAM role to attach to your instance or create a new role if you haven't created any. The role you select replaces any roles that are currently attached to your instance.
ec2codedeployrole2022
Create new IAM role
Cancel
Save
Activate Windows
Go to Settings to activate Windows.
Feedback
Looking for language selection? Find it in the new Unified Settings
© 2022, Amazon Internet Services Private Ltd. or its affiliates.
Privacy
Terms
Cookie preferences

Deployment group name

Enter a deployment group name

prodgroup2022

100 character limit

Service role

Enter a service role

Enter a service role with CodeDeploy permissions that grants AWS CodeDeploy access to your target instances.

arn:aws:iam::149520388576:role/codedeploytoec2role2022

Deployment type

Choose how to deploy your application

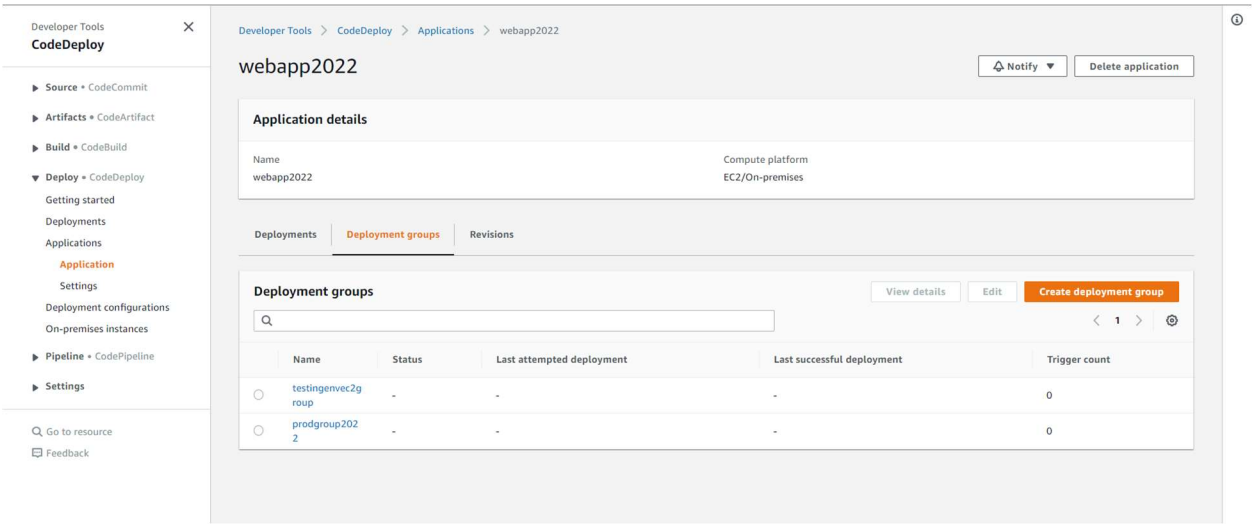
In-place
Updates the instances in the deployment group with the latest application revisions. During a deployment, each instance will be briefly taken offline for its update

Blue/green
Replaces the instances in the deployment group with new instances and deploys the latest application revision to them. After instances in the replacement environment are registered with a load balancer, instances from the original environment are deregistered and can be terminated.

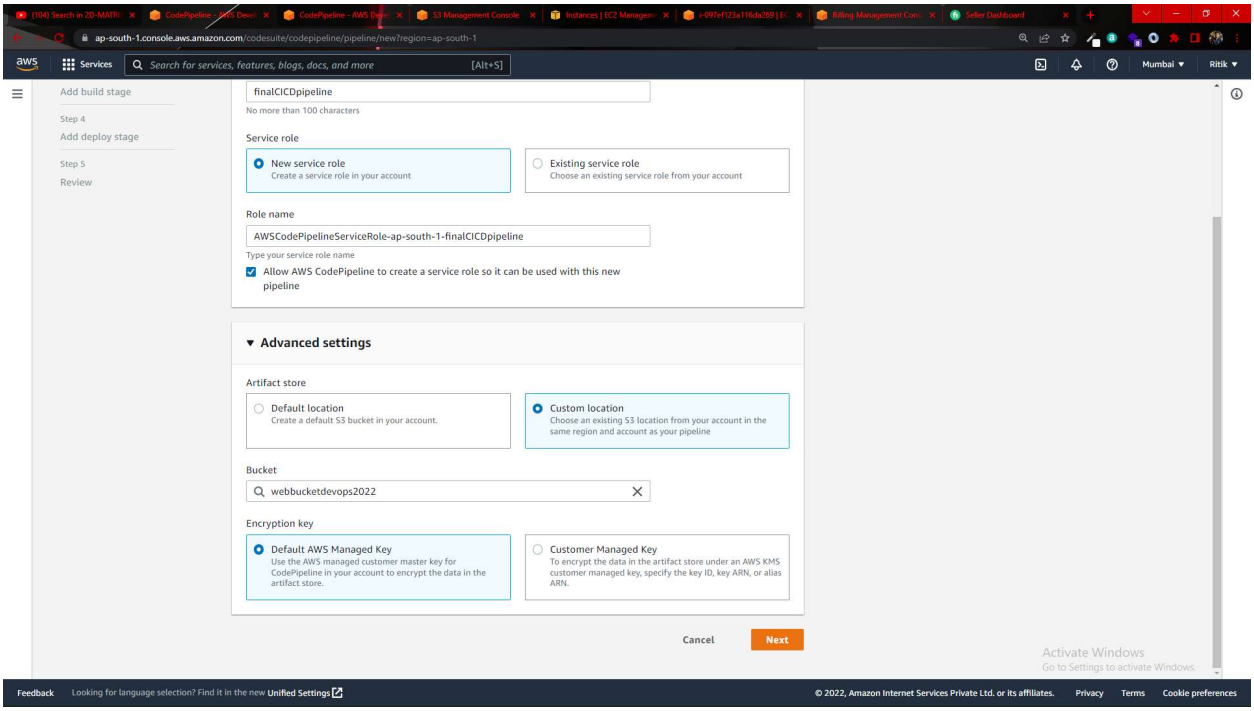
Environment configuration

Select any combination of Amazon EC2 Auto Scaling groups, Amazon EC2 instances, and on-premises instances to add

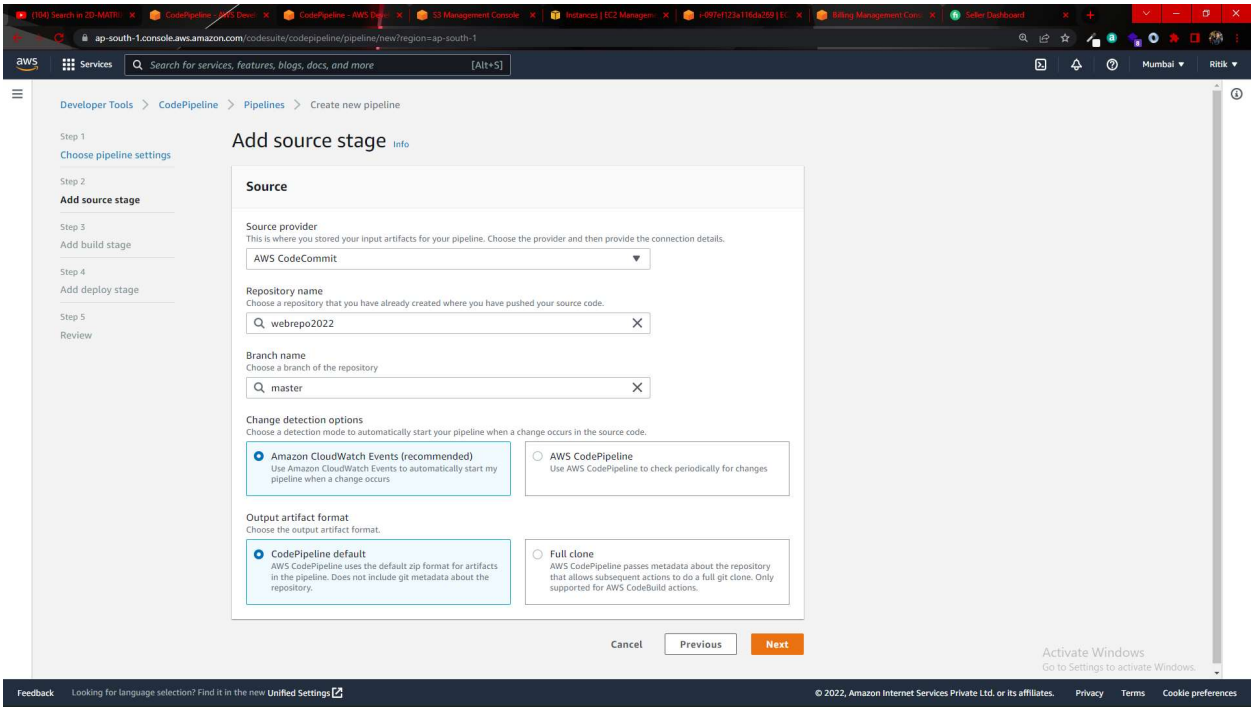
Created deployment group

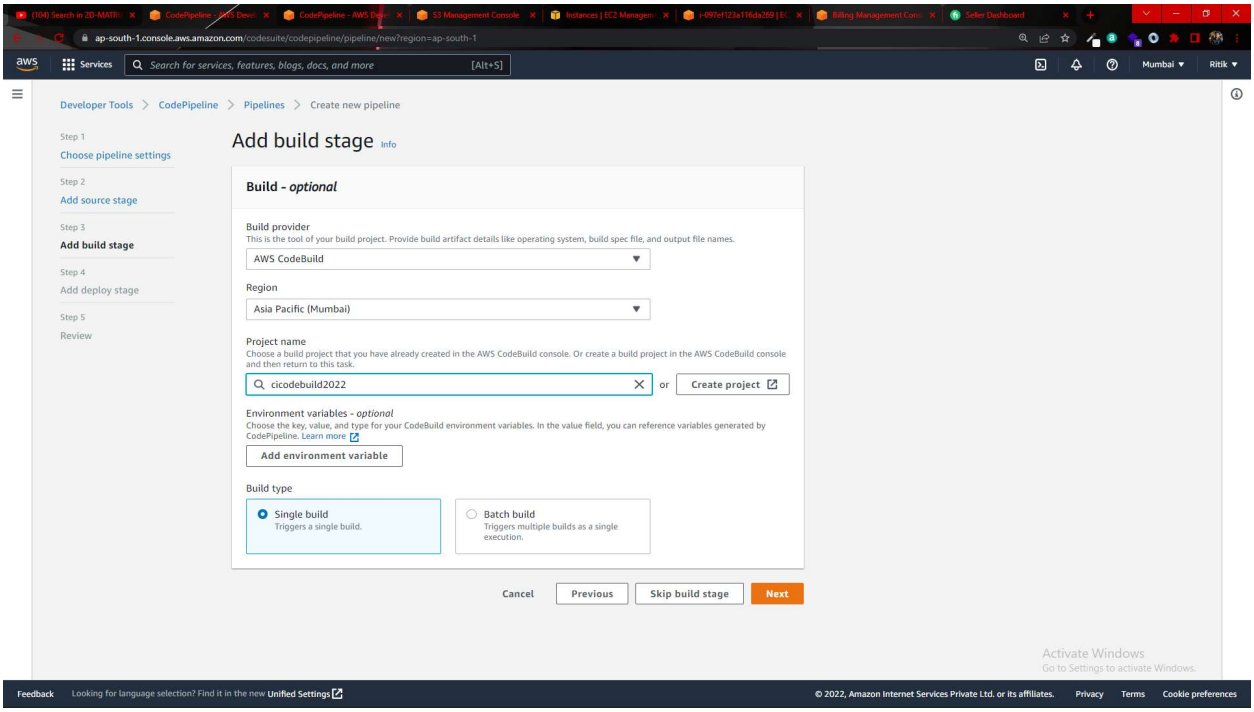


Create pipeline to connect all the pieces

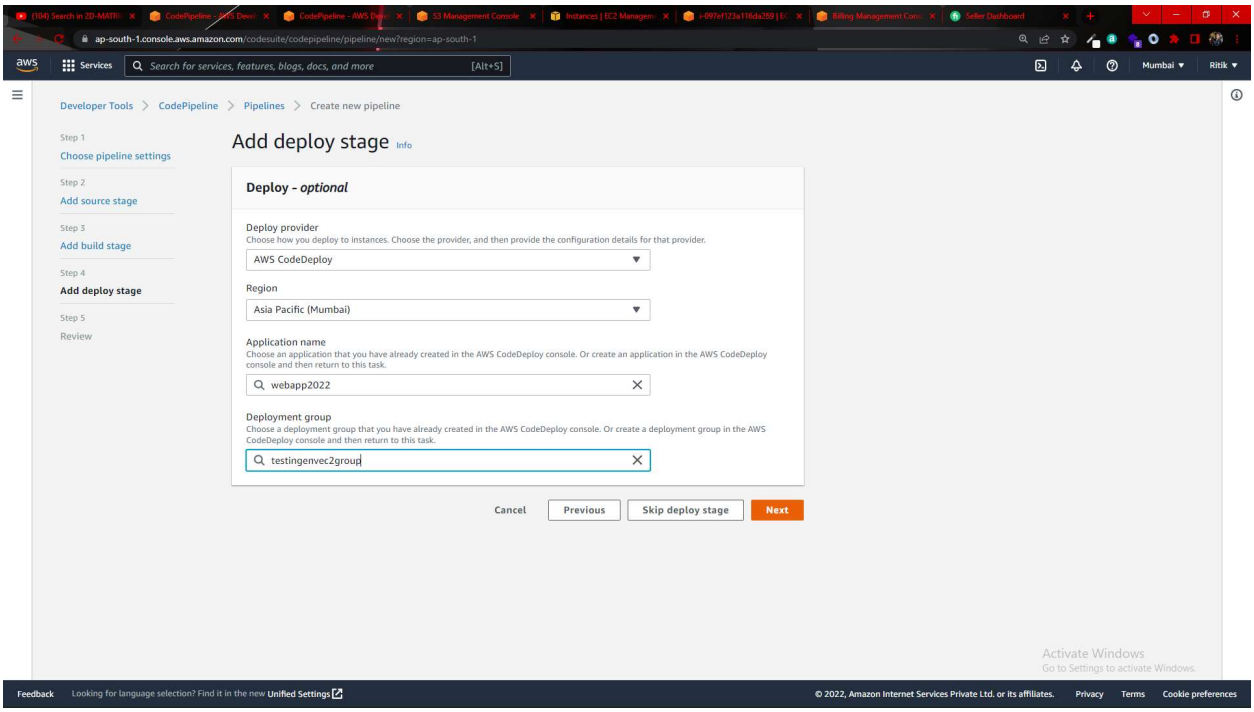


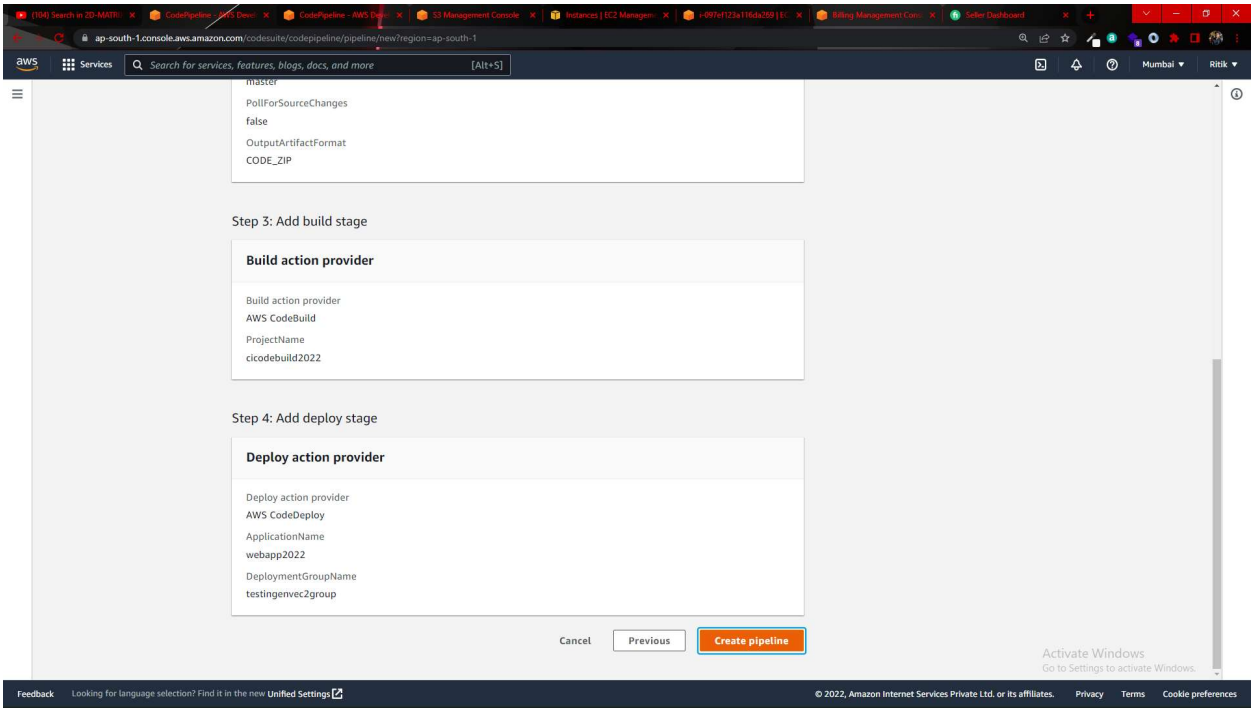
Adding source





Adding deployment provider



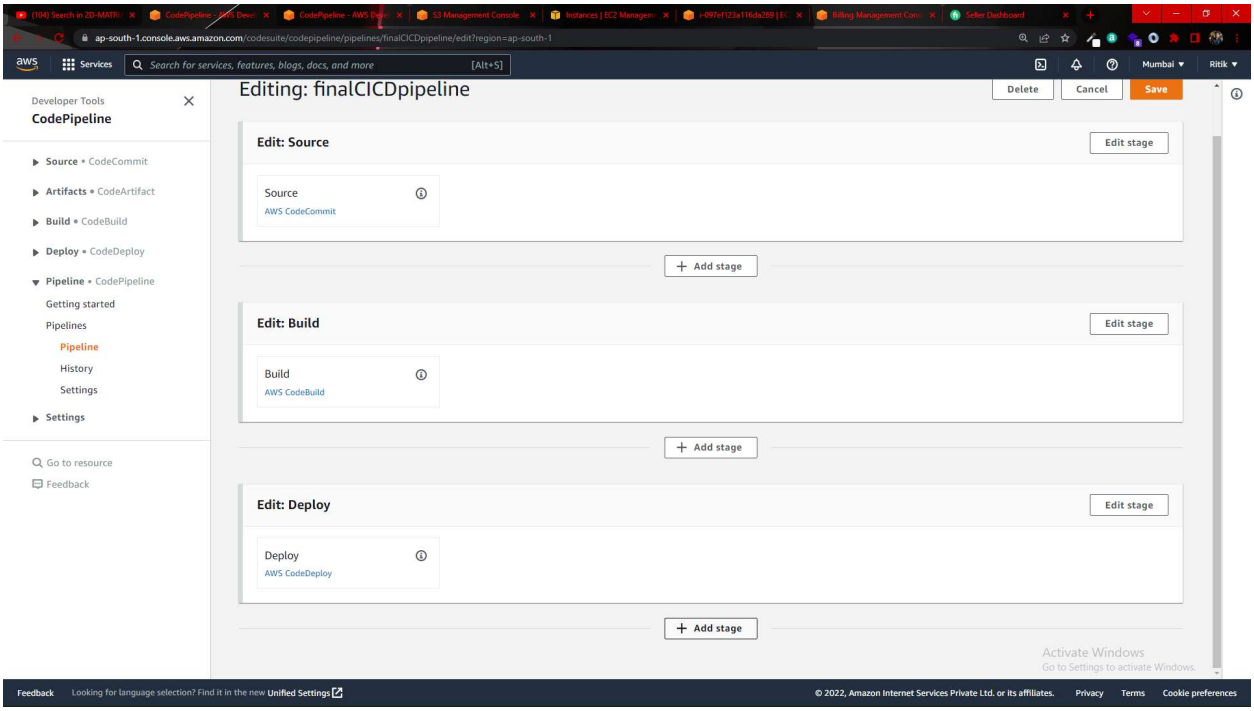


Pipeline created

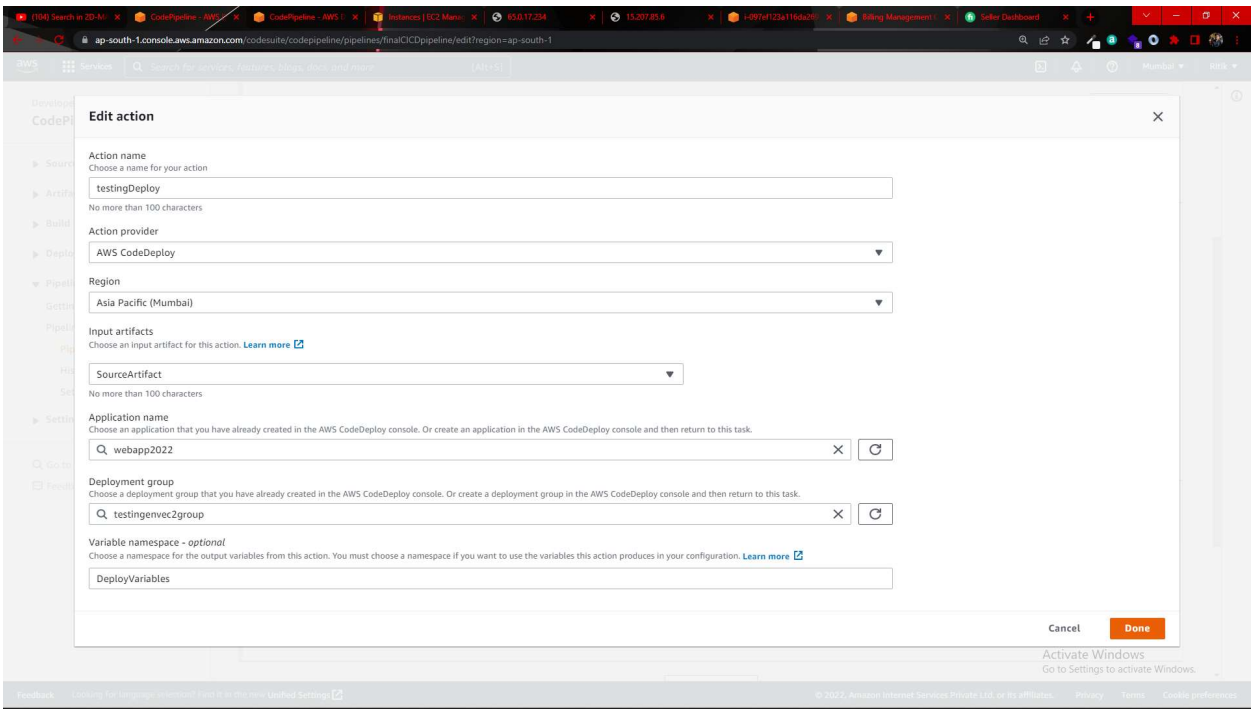
Now we can add more stages to the pipeline

We need to add the production stage and the approval stage

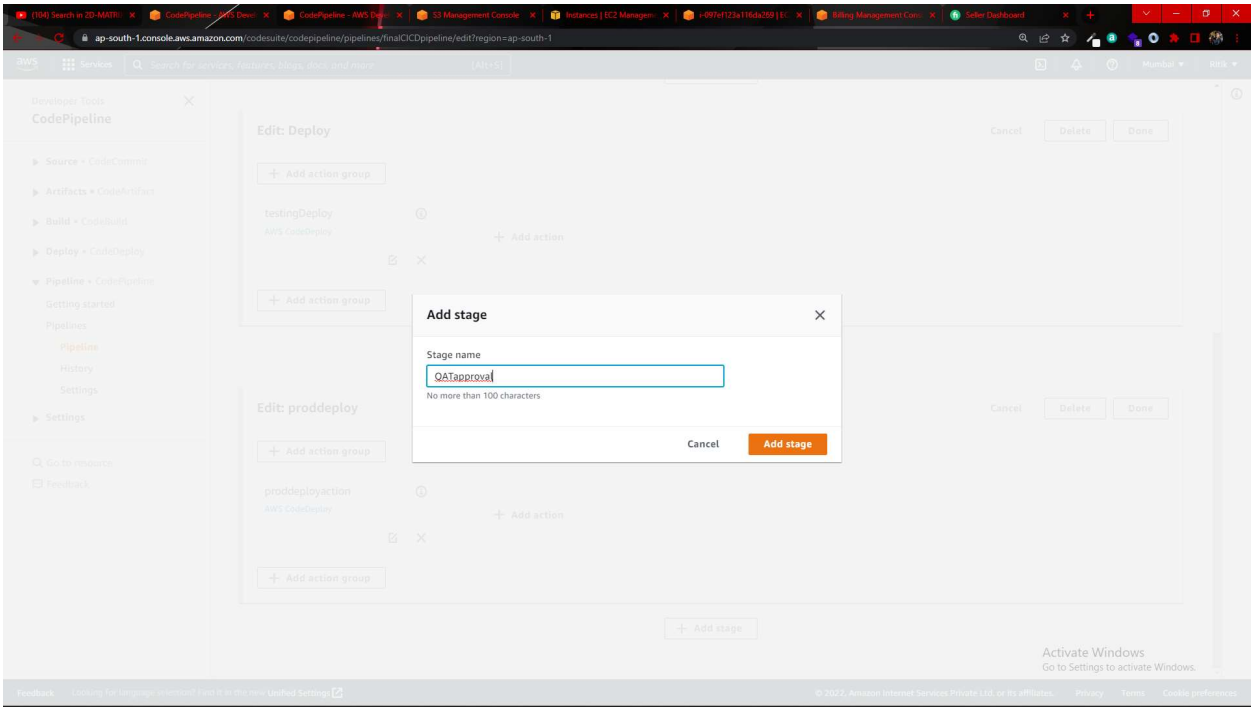
Adding prod stage

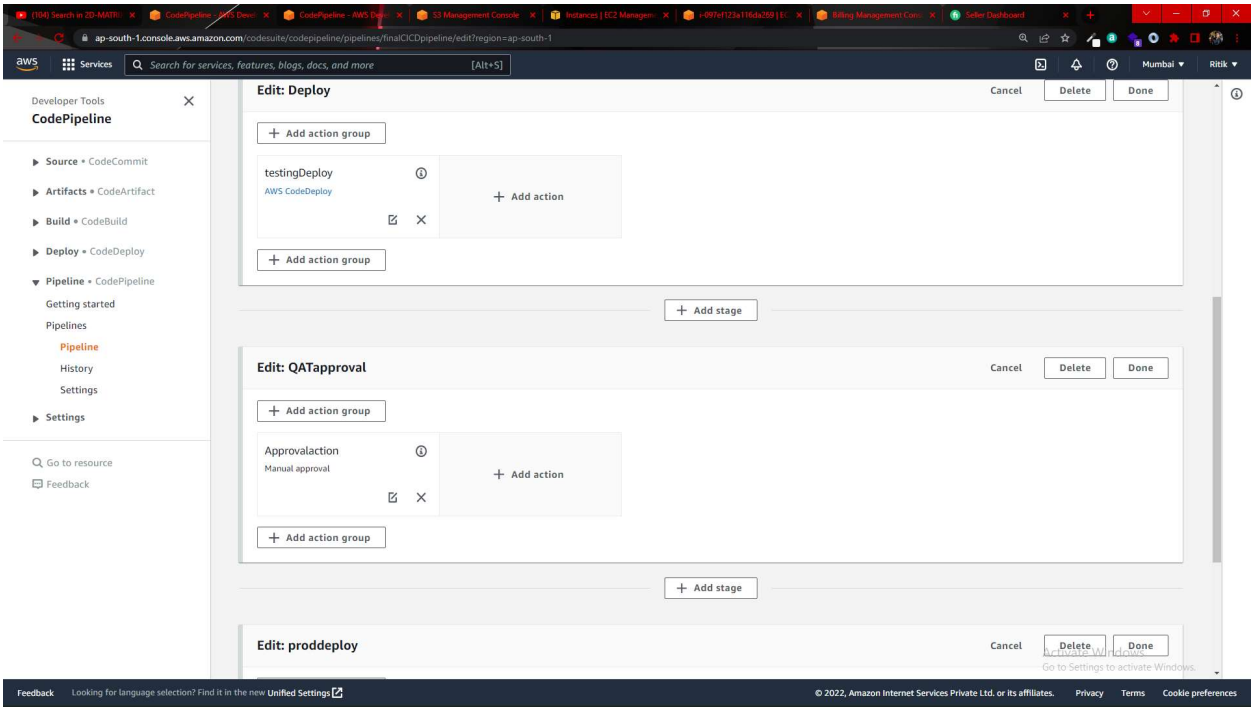


Adding action group to the stage



Between the prod deploy and testing deploy there we need a one more stage QAT approval stage





Now for configuring the webserver code deployment need the yaml configuration file.

We need to download and push those files

After pushing all the files the pipeline will automatically start and start triggering the other services.