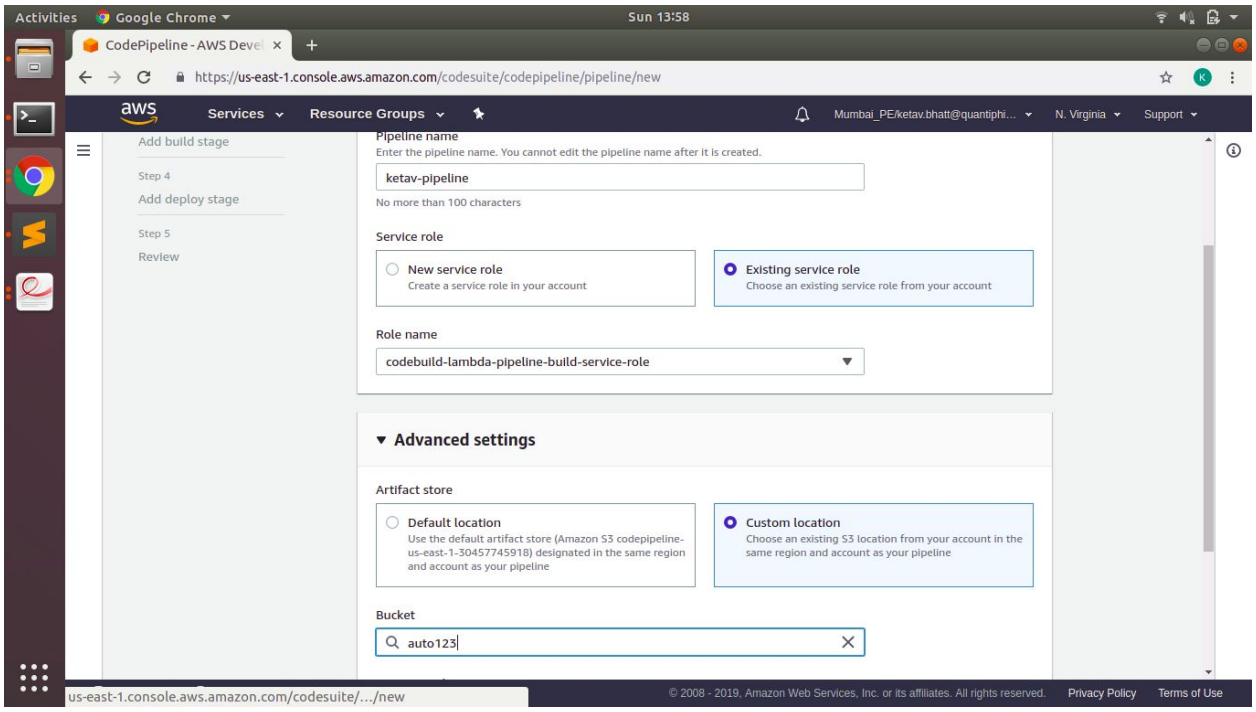
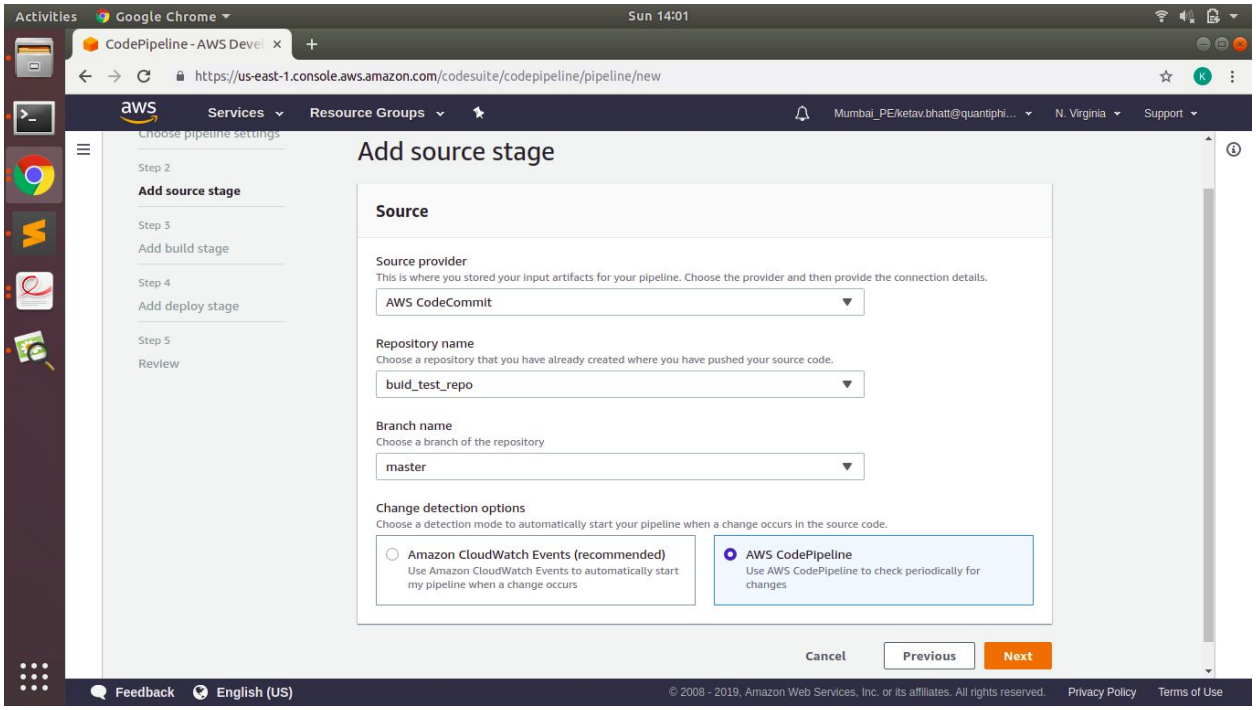
Question 2

Step 1 :
Navigate to CodePipeline console in dashboard

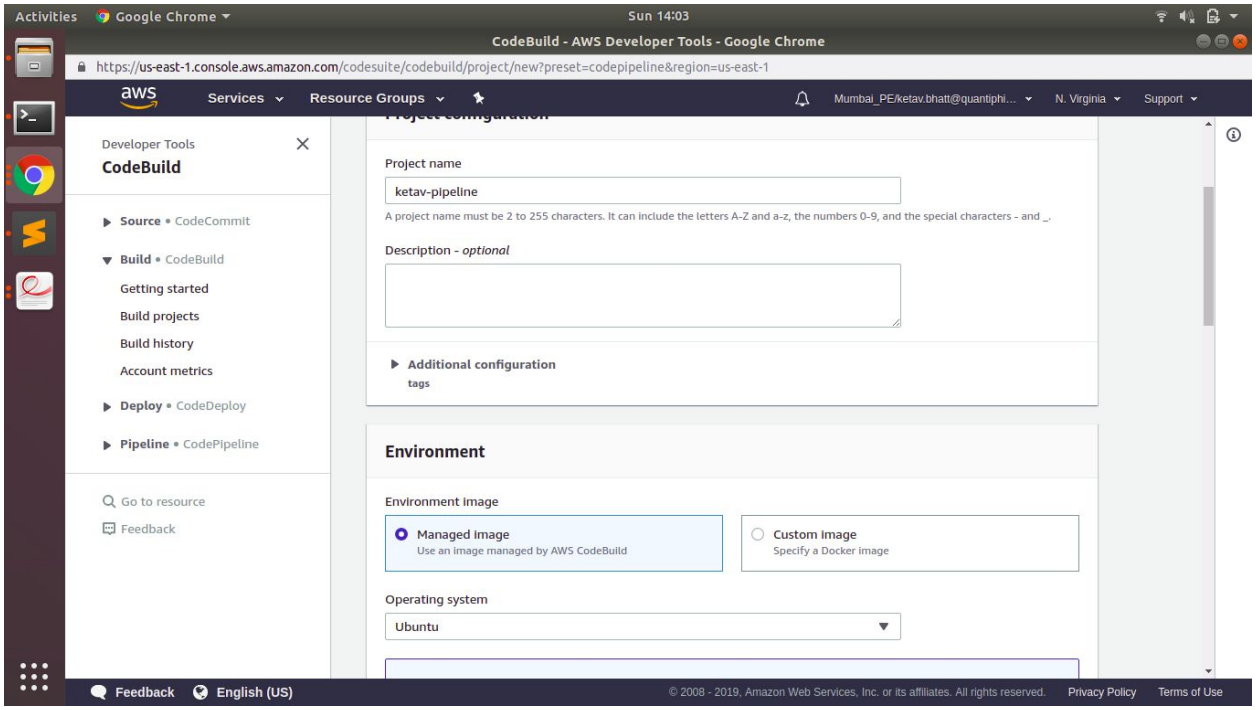
Step 2 :
In pipeline, Create new Pipeline and assign a name
In Service Role , select Existing Service Role as codebuild-lambda-pipeline-build-service-role
In Advanced Settings select default or custom location for the artifacts storage and leave encryption key as default



Step 3 :
In Source Stage add Source Provider as AWS CodeCommit and select the repository name and branch where cft file and lambda file are being commit
In Change Detection options select Amazon CloudWatch to detect changes in Source
Click Next to add next Stage



Step 4:
In Build Stage select Build Provider as AWS CodeBuild.
Create project for CodeBuild
In CodeBuild, assign project name and tags
In Environment Images , select Managed Image and choose OS as ubuntu.
Select Runtime as standard and image as aws/codebuild/standard2.0
In Service Role select existing service role as
codebuild-lambda-pipeline-build-service-role
Now in buildspec section , Select insert build command and click on Switch to editor and insert the buildspec code as given in buildspec.yaml
Now click on continue to codepipeline
Click on Next to Add the Build stage for Testing


Activities
Google Chrome
Sun 14:03
CodeBuild - AWS Developer Tools - Google Chrome
https://us-east-1.console.aws.amazon.com/codesuite/codebuild/project/new?preset=codepipeline&region=us-east-1
aws
Services
Resource Groups
Mumbai_PE/ketav.bhatt@quantiphi...
N. Virginia
Support
Developer Tools
CodeBuild
Source • CodeCommit
Build • CodeBuild
Getting started
Build projects
Build history
Account metrics
Deploy • CodeDeploy
Pipeline • CodePipeline
Go to resource
Feedback
Project name
ketav-pipeline
A project name must be 2 to 255 characters. It can include the letters A-Z and a-z, the numbers 0-9, and the special characters - and _.
Description - optional
Additional configuration
tags
Environment
Environment image
Managed image
Use an image managed by AWS CodeBuild
Custom image
Specify a Docker image
Operating system
Ubuntu
Feedback
English (US)
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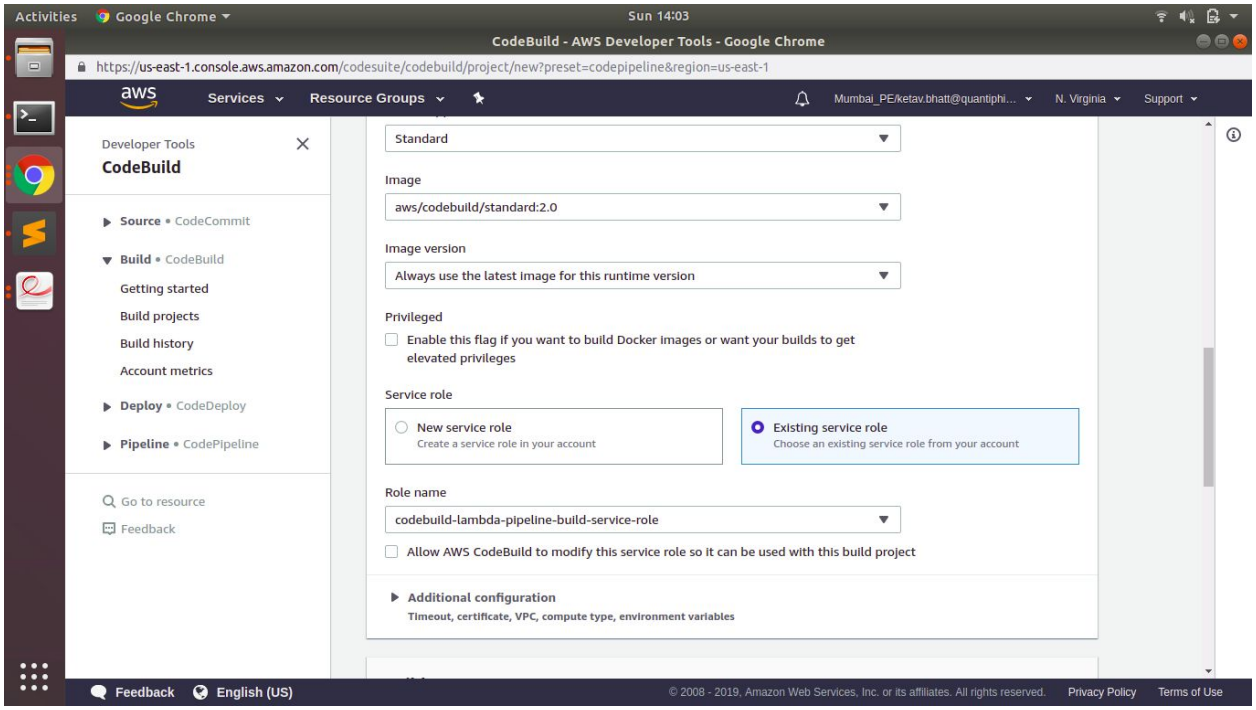
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Pipeline • CodePipeline
Go to resource
Feedback
Standard
Image
aws/codebuild/standard:2.0
Image version
Always use the latest image for this runtime version
Privileged
Enable this flag if you want to build Docker images or want your builds to get elevated privileges
Service role
New service role
Create a service role in your account
Existing service role
Choose an existing service role from your account
Role name
codebuild-lambda-pipeline-build-service-role
Allow AWS CodeBuild to modify this service role so it can be used with this build project
Additional configuration
Timeout, certificate, VPC, compute type, environment variables
Feedback
English (US)
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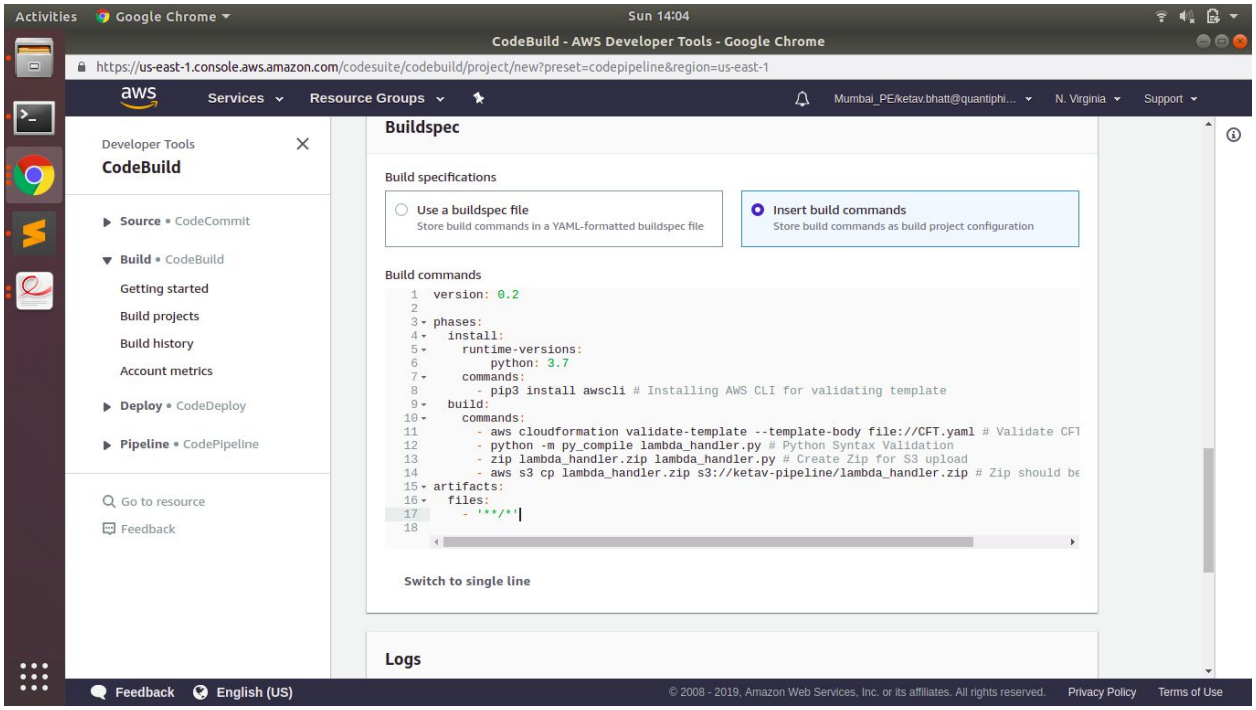

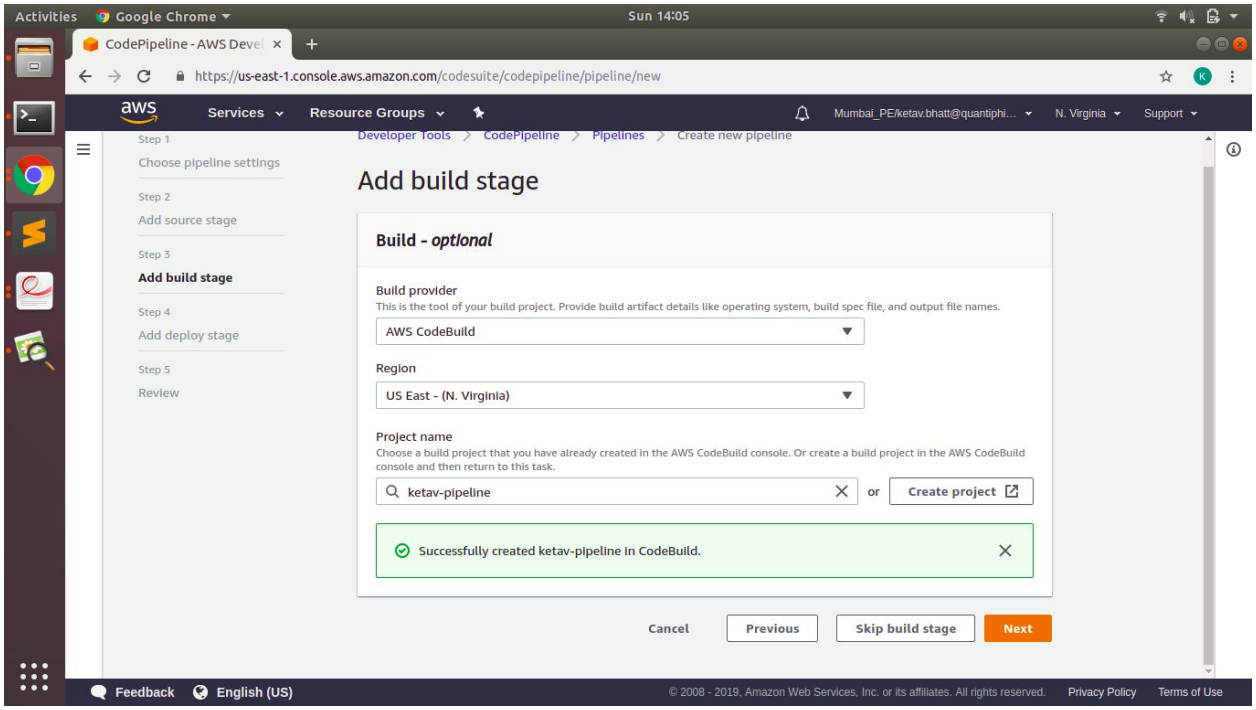

Step 5 :
Now in Deploy Stage Select Deploy Provider as AWS CloudFormation.
Select Action Mode as “Create or Update Stack”
Give a Stack Name (do not select an existing one)
In Template give your template path as “BuildArtifact::cft.yaml”
Select Role as codebuild-lambda-pipeline-build-service-role

Provide Output file name as DeployArtifact
Now click on Next and Review and Create the pipeline
Once created, the pipeline will auto execute and the stages will be executed and Deployed.