CSC-PROJECT

KUSUMAPRIYA

2000030148

QUES :

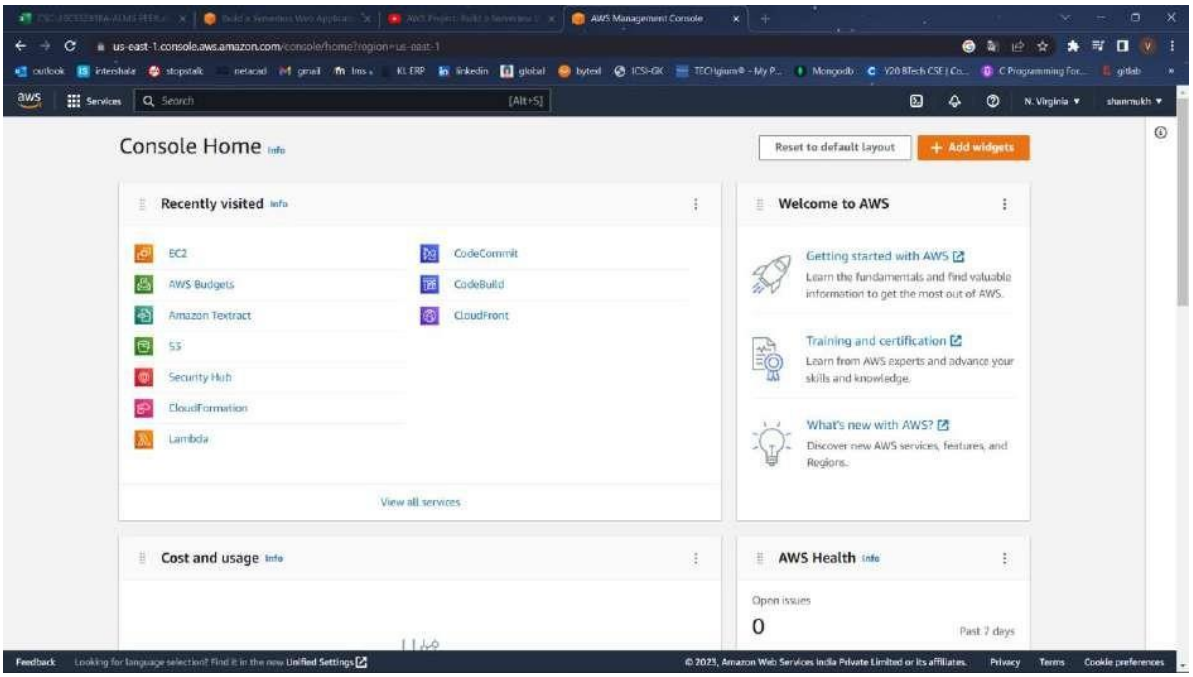
Serverless Web Application on Aws cloud
simple leave management system build
with Aws serverless and Cdk

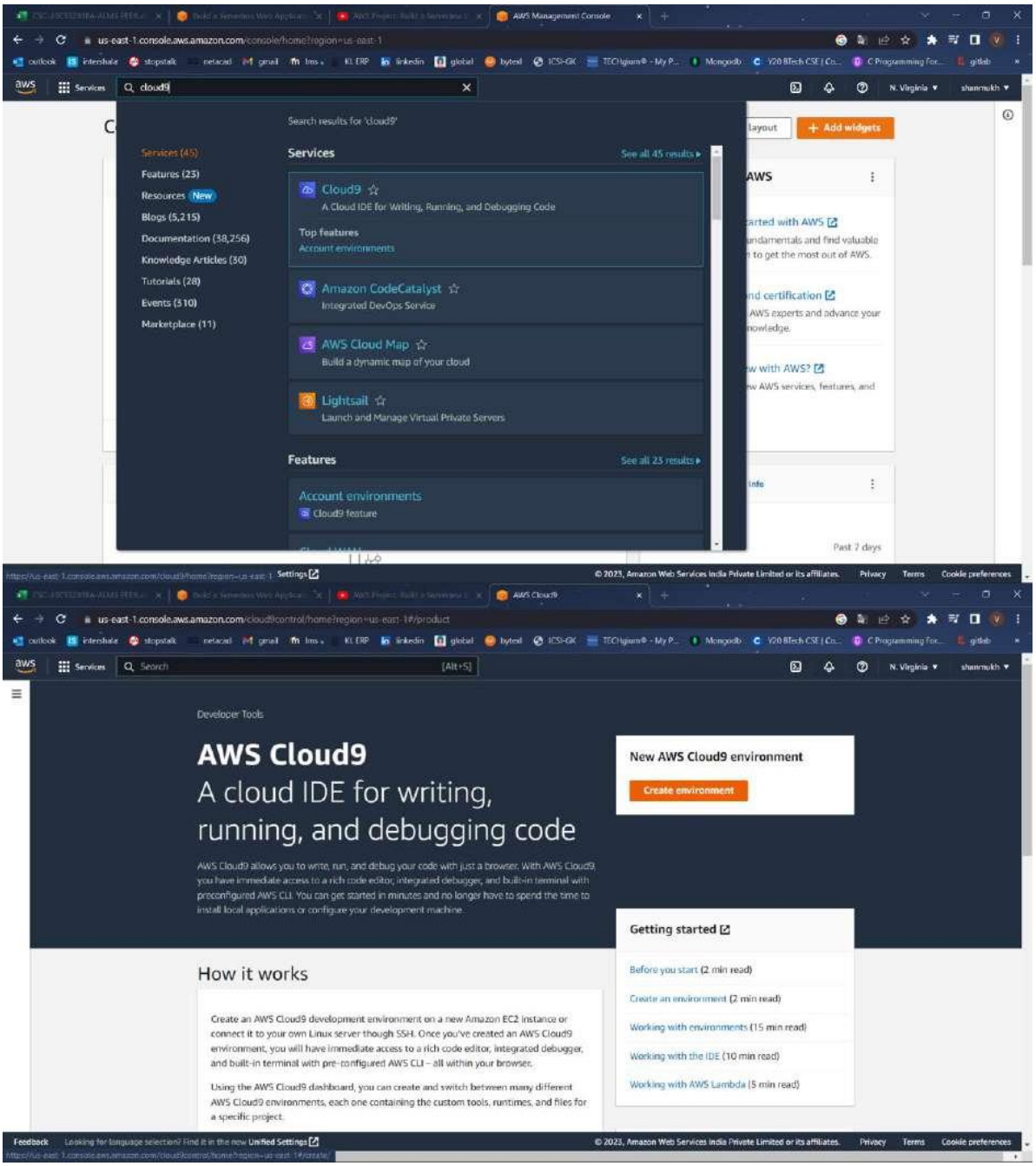
IMPLEMENTATION :

STEP 1: STATIC WEB HOSTING

→Create the git repository

First create an environment in cloud9




AWS Management Console
us-east-1.console.aws.amazon.com/console/home?region=us-east-1
Services
cloud9
Search results for 'cloud9'
Services (45)
Features (23)
Resources New
Blogs (5,215)
Documentation (38,256)
Knowledge Articles (30)
Tutorials (28)
Events (310)
Marketplace (11)
Services
See all 45 results
Cloud9
A Cloud IDE for Writing, Running, and Debugging Code
Top features
Account environments
Amazon CodeCatalyst
Integrated DevOps Service
AWS Cloud Map
Build a dynamic map of your cloud
Lightsail
Launch and Manage Virtual Private Servers
Features
See all 23 results
Account environments
Cloud9 feature
Add widgets
N. Virginia
shanmukh
Settings
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Privacy
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Cookie preferences
AWS Cloud9
us-east-1.console.aws.amazon.com/cloud9control/home?region=us-east-1#/product
Search
[Alt+S]
Developer Tools
AWS Cloud9
A cloud IDE for writing, running, and debugging code
AWS Cloud9 allows you to write, run, and debug your code with just a browser. With AWS Cloud9, you have immediate access to a rich code editor, integrated debugger, and built-in terminal with preconfigured AWS CLI. You can get started in minutes and no longer have to spend the time to install local applications or configure your development machine.
New AWS Cloud9 environment
Create environment
Getting started
Before you start (2 min read)
Create an environment (2 min read)
Working with environments (15 min read)
Working with the IDE (10 min read)
Working with AWS Lambda (5 min read)
How it works
Create an AWS Cloud9 development environment on a new Amazon EC2 instance or connect it to your own Linux server though SSH. Once you've created an AWS Cloud9 environment, you will have immediate access to a rich code editor, integrated debugger, and built-in terminal with pre-configured AWS CLI – all within your browser.
Using the AWS Cloud9 dashboard, you can create and switch between many different AWS Cloud9 environments, each one containing the custom tools, runtimes, and files for a specific project.
Feedback
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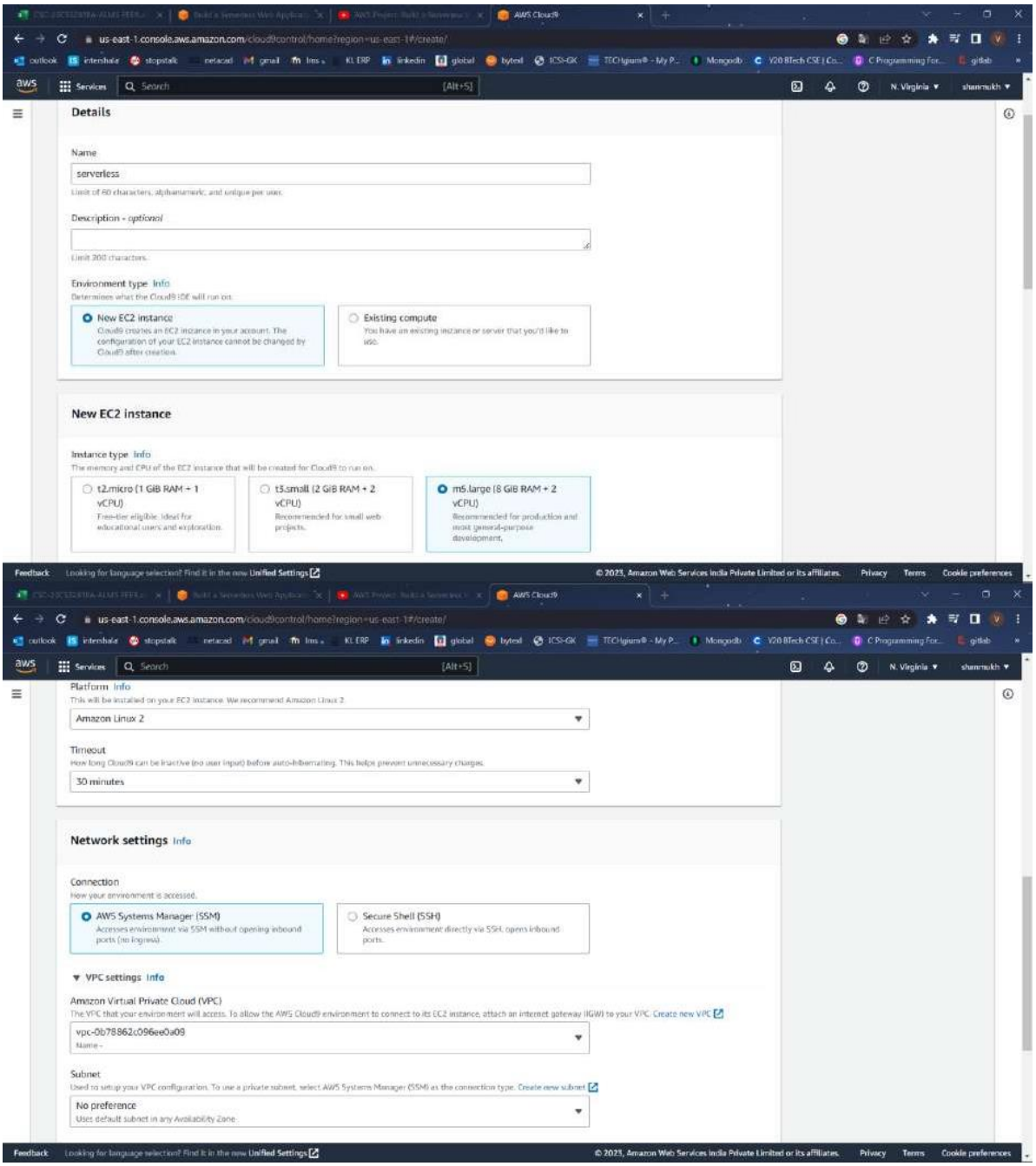
AWS Cloud9
us-east-1.console.aws.amazon.com/cloud9control/home?region=us-east-1#/create/
Services
Search
[Alt+S]
N. Virginia
shanmukh
Details
Name
serverless
Limit of 60 characters, alphanumeric, and unique per user.
Description - optional
Limit 200 characters.
Environment type Info
Determines what the Cloud9 IDE will run on.
New EC2 instance
Cloud9 creates an EC2 instance in your account. The configuration of your EC2 instance cannot be changed by Cloud9 after creation.
Existing compute
You have an existing instance or server that you'd like to use.
New EC2 instance
Instance type Info
The memory and CPU of the EC2 instance that will be created for Cloud9 to run on.
t2.micro (1 GiB RAM + 1 vCPU)
Free-tier eligible. Ideal for educational users and exploration.
t3.small (2 GiB RAM + 2 vCPU)
Recommended for small web projects.
m5.large (8 GiB RAM + 2 vCPU)
Recommended for production and most general-purpose development.
Feedback
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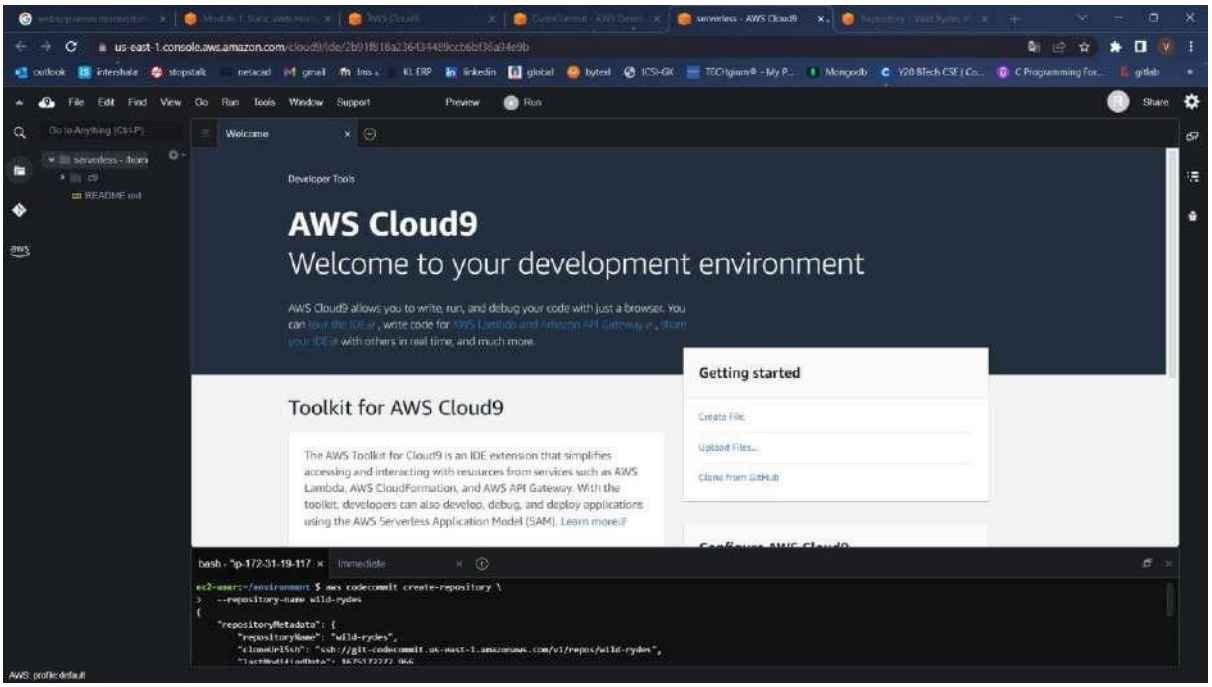
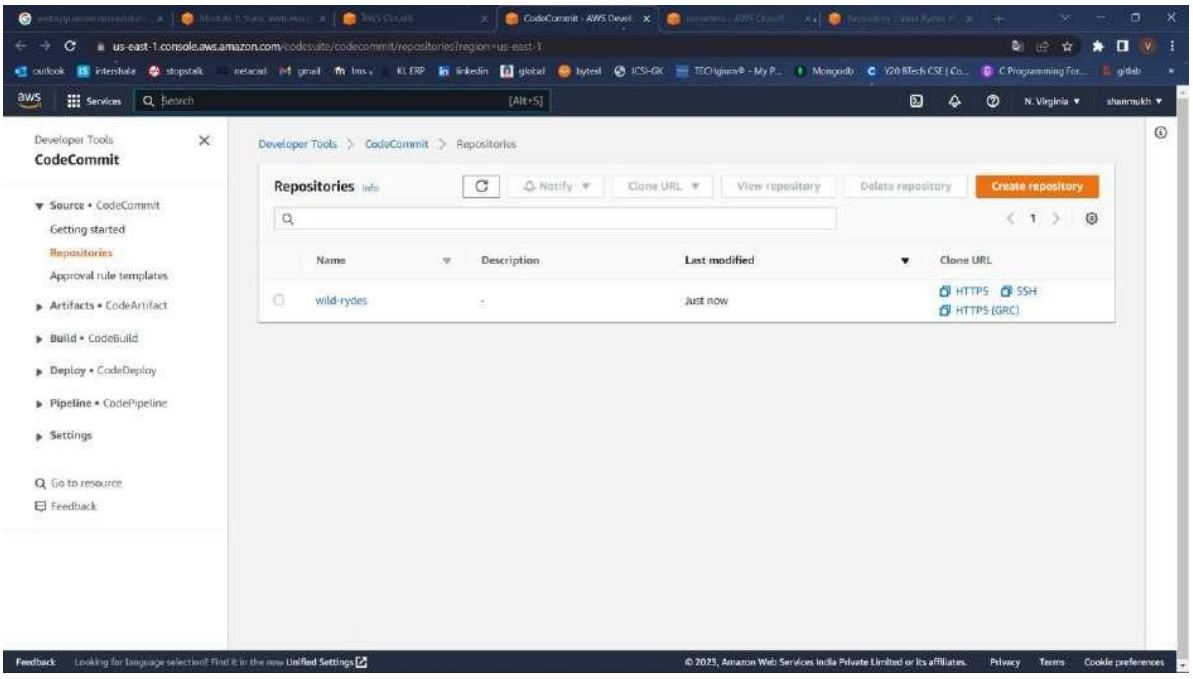
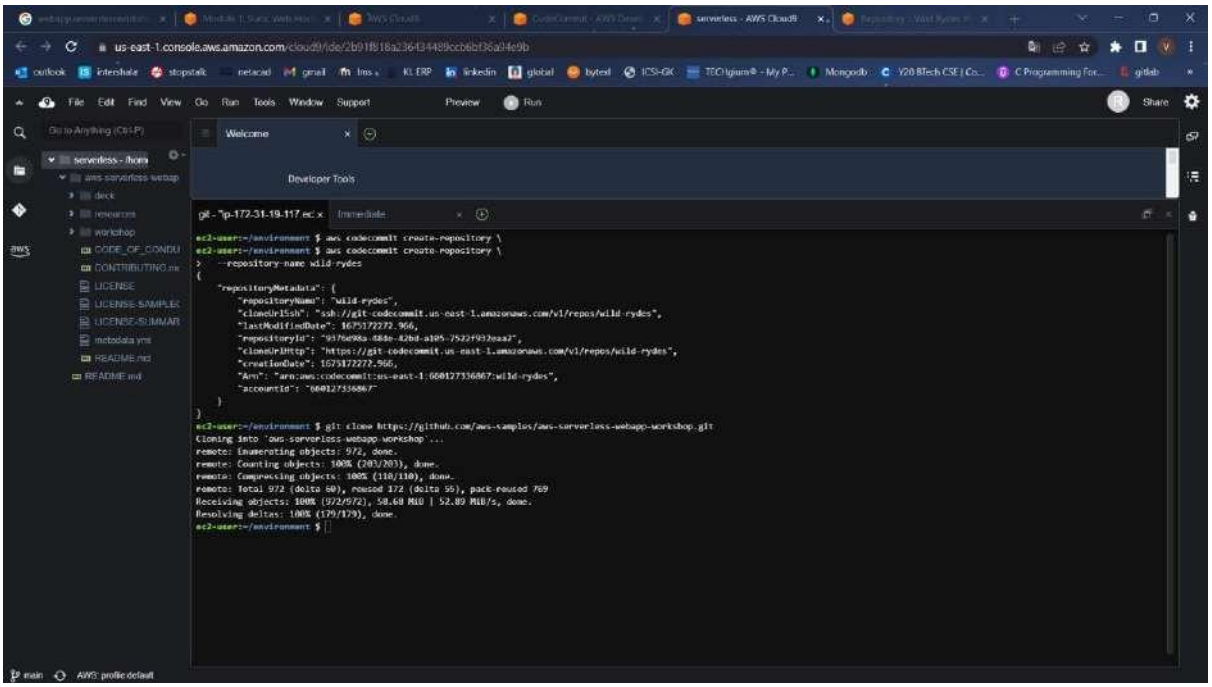
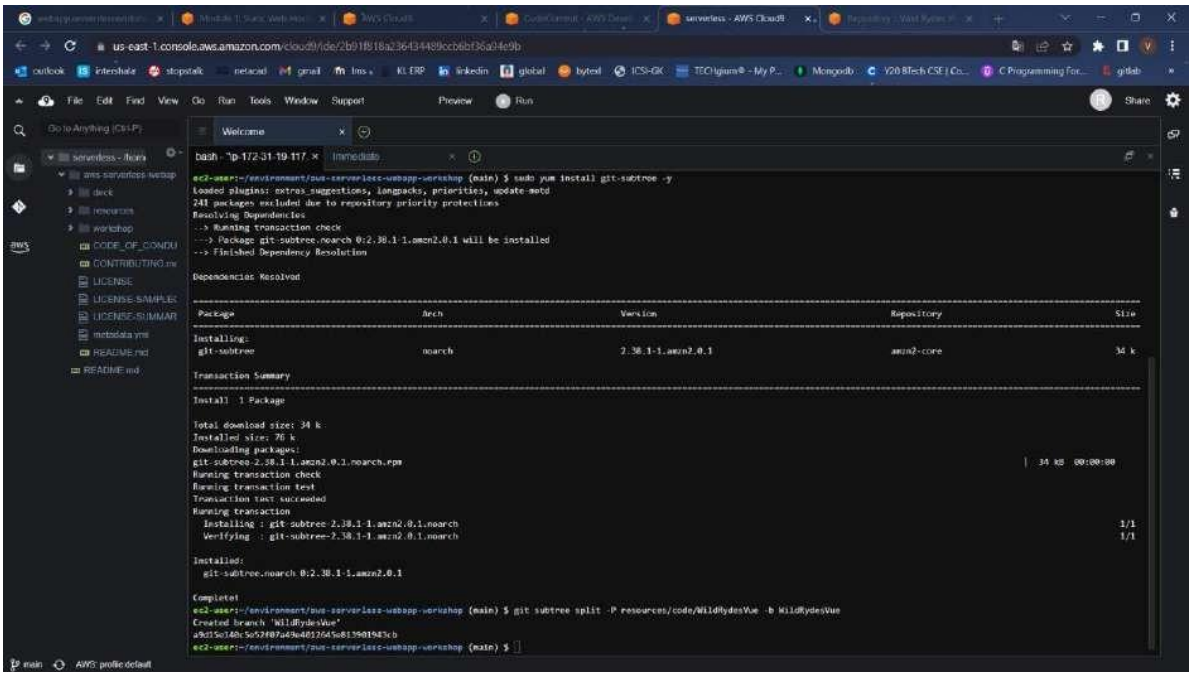
Platform Info
This will be installed on your EC2 instance. We recommend Amazon Linux 2.
Amazon Linux 2
Timeout
How long Cloud9 can be inactive (no user input) before auto-hibernating. This helps prevent unnecessary charges.
30 minutes
Network settings Info
Connection
How your environment is accessed.
AWS Systems Manager (SSM)
Accesses environment via SSM without opening inbound ports (no ingress).
Secure Shell (SSH)
Accesses environment directly via SSH, opens inbound ports.
VPC settings Info
Amazon Virtual Private Cloud (VPC)
The VPC that your environment will access. To allow the AWS Cloud9 environment to connect to its EC2 instance, attach an internet gateway (IGW) to your VPC. Create new VPC
vpc-0b78862c096ee0a09
Name -
Subnet
Used to setup your VPC configuration. To use a private subnet, select AWS Systems Manager (SSM) as the connection type. Create new subnet
No preference
Uses default subnet in any Availability Zone

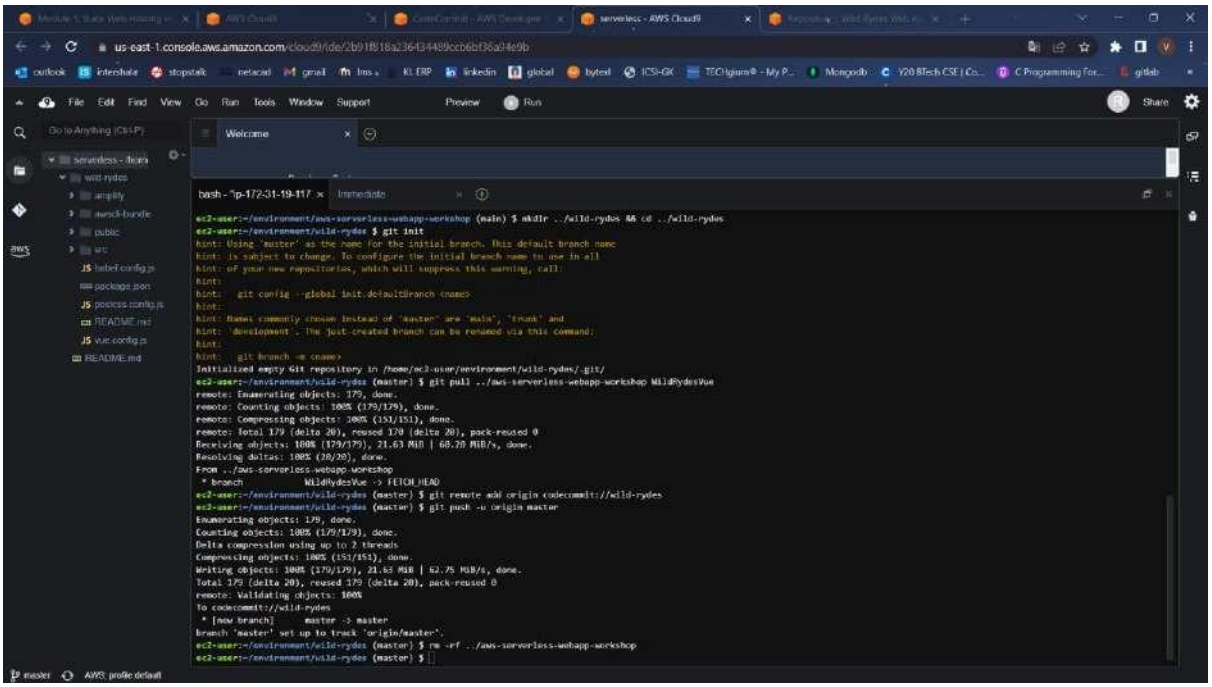


Repository created in codecommit



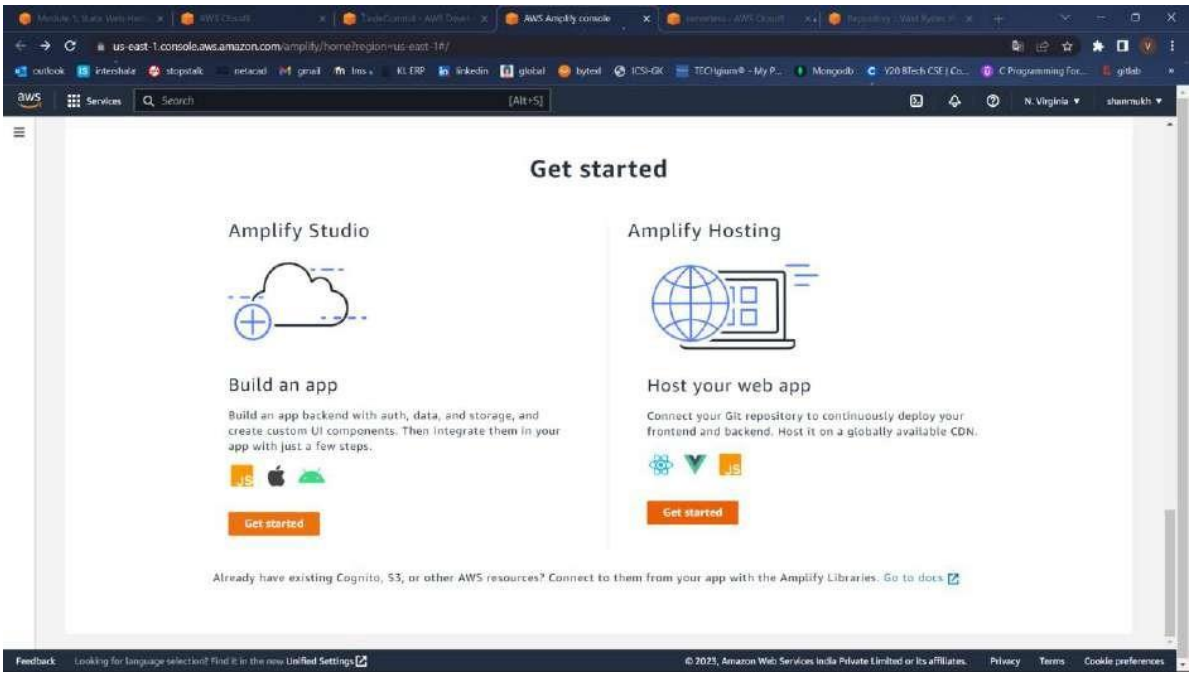

us-east-1.console.aws.amazon.com/cloud9/ide/2b91f818a23643449bccbbbf36a04e9b
File Edit Find View Go Run Tools Window Support Preview Run Share
Welcome
Developer Tools
git - "ip-172-31-19-117.ec x
Immediate
ec2-user:~/environment $ aws codecommit create-repository \
ec2-user:~/environment $ aws codecommit create-repository \
> --repository-name wild-rydes
{
"repositoryMetadata": {
"repositoryName": "wild-rydes",
"cloneUrlSsh": "ssh://git-codecommit.us-east-1.amazonaws.com/v1/repos/wild-rydes",
"lastModifiedDate": 1675172272.966,
"repositoryId": "9376e98a-688e-42bd-a105-7522f932eaa2",
"cloneUrlHttp": "https://git-codecommit.us-east-1.amazonaws.com/v1/repos/wild-rydes",
"creationDate": 1675172272.966,
"Arn": "arn:aws:codecommit:us-east-1:660127336867:wild-rydes",
"accountId": "660127336867"
}
}
ec2-user:~/environment $ git clone https://github.com/aws-samples/aws-serverless-webapp-workshop.git
Cloning into 'aws-serverless-webapp-workshop'...
remote: Enumerating objects: 972, done.
remote: Counting objects: 100% (203/203), done.
remote: Compressing objects: 100% (110/110), done.
remote: Total 972 (delta 60), reused 172 (delta 55), pack-reused 769
Receiving objects: 100% (972/972), 50.60 MiB | 52.89 MiB/s, done.
Resolving deltas: 100% (179/179), done.
ec2-user:~/environment $
main AWS: profile:default

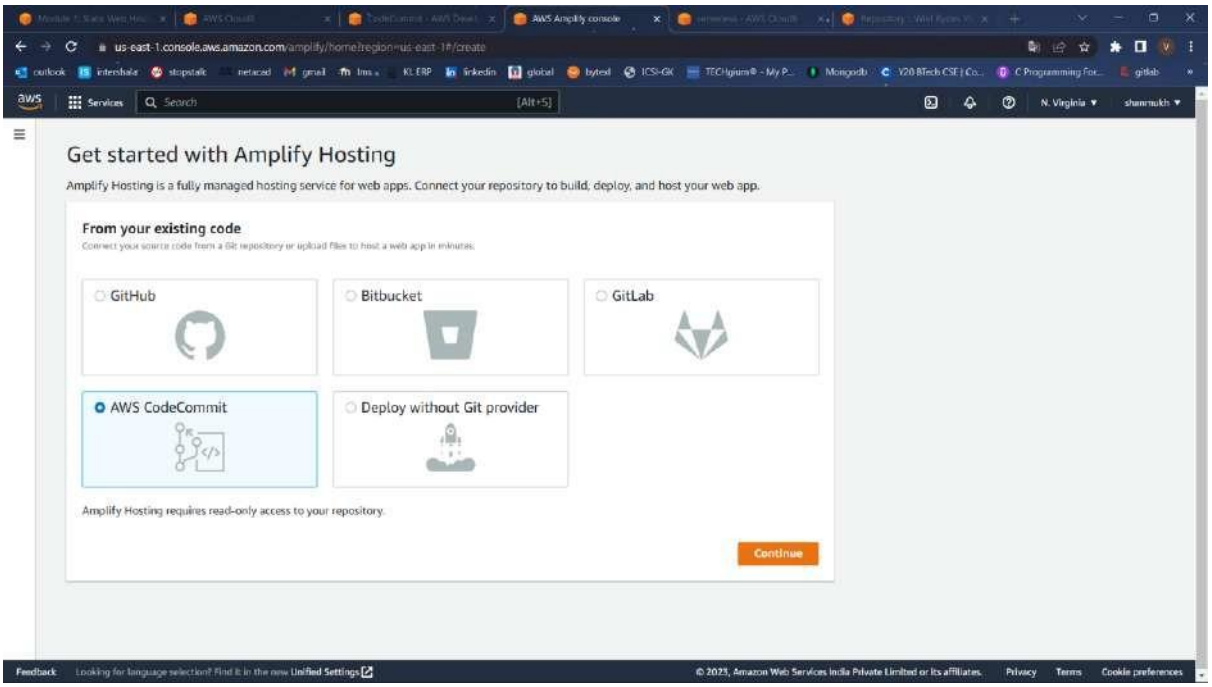

us-east-1.console.aws.amazon.com/cloud9/ide/2b91f818a23643449bccbbbf36a04e9b
File Edit Find View Go Run Tools Window Support Preview Run Share
Welcome
bash - "ip-172-31-19-117.
Immediate
ec2-user:~/environment/aws-serverless-webapp-workshop (main) $ sudo yum install git-subtree -y
Loaded plugins: extras_suggestions, langpacks, priorities, update-motd
241 packages excluded due to repository priority protections
Resolving Dependencies
--> Running transaction check
---> Package git-subtree.noarch 0:2.38.1-1.amzn2.0.1 will be installed
--> Finished Dependency Resolution
Dependencies Resolved
Package Arch Version Repository Size
Installing:
git-subtree noarch 2.38.1-1.amzn2.0.1 amzn2-core 34 k
Transaction Summary
Install 1 Package
Total download size: 34 k
Installed size: 76 k
Downloading packages:
git-subtree-2.38.1-1.amzn2.0.1.noarch.rpm | 34 kB 00:00:00
Running transaction check
Running transaction test
Transaction test succeeded
Running transaction
Installing : git-subtree-2.38.1-1.amzn2.0.1.noarch 1/1
Verifying : git-subtree-2.38.1-1.amzn2.0.1.noarch 1/1
Installed:
git-subtree.noarch 0:2.38.1-1.amzn2.0.1
Complete!
ec2-user:~/environment/aws-serverless-webapp-workshop (main) $ git subtree split -P resources/code/WildRydesVue -b WildRydesVue
Created branch 'WildRydesVue'
a9d15e140c5e52f07a49e4012645e813901943cb
ec2-user:~/environment/aws-serverless-webapp-workshop (main) $
main AWS: profile:default



Git repository done.

→Deploy the site with the AWS Amplify Console




us-east-1.console.aws.amazon.com/amplify/home?region=us-east-1#/create
Services
Search
[Alt+S]
N. Virginia
shanmukh
Get started with Amplify Hosting
Amplify Hosting is a fully managed hosting service for web apps. Connect your repository to build, deploy, and host your web app.
From your existing code
Connect your source code from a Git repository or upload files to host a web app in minutes.
GitHub
Bitbucket
GitLab
AWS CodeCommit
Deploy without Git provider
Amplify Hosting requires read-only access to your repository.
Continue
Feedback
Looking for language selection? Find it in the new Unified Settings
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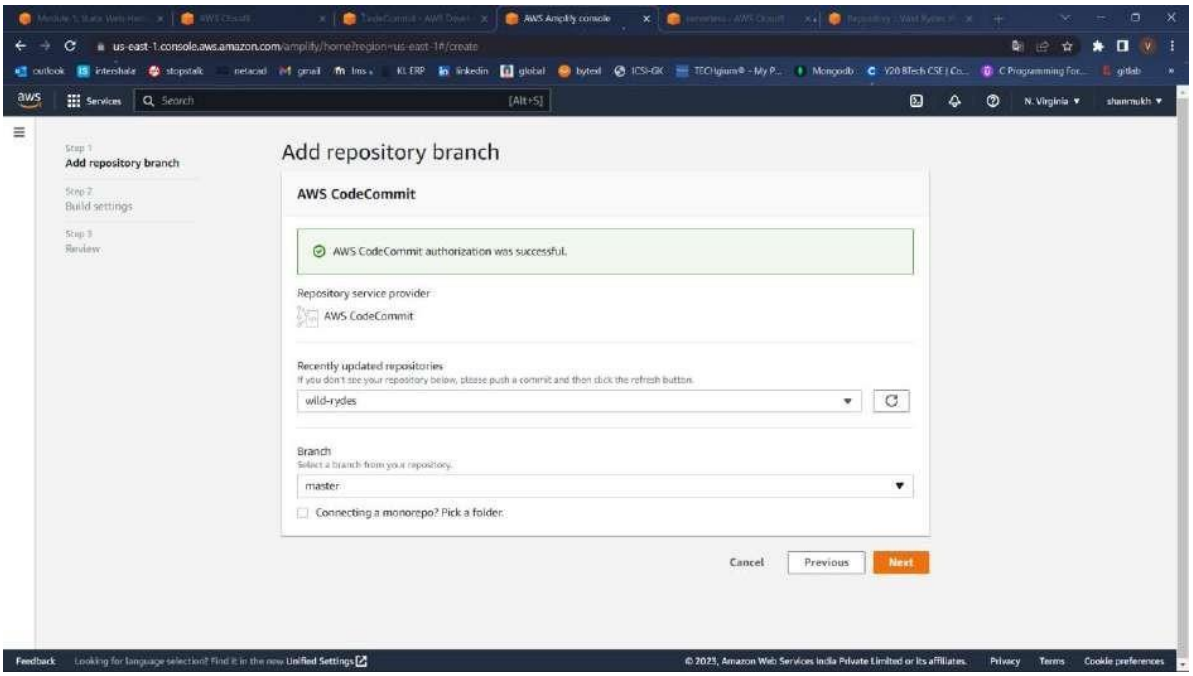
us-east-1.console.aws.amazon.com/amplify/home?region=us-east-1#/create
Services
Search
[Alt+S]
N. Virginia
shanmukh
Step 1
Add repository branch
Step 2
Build settings
Step 3
Review
Add repository branch
AWS CodeCommit
AWS CodeCommit authorization was successful.
Repository service provider
AWS CodeCommit
Recently updated repositories
If you don't see your repository below, please push a commit and then click the refresh button.
wild-rydes
Branch
Select a branch from your repository.
master
Connecting a monorepo? Pick a folder.
Cancel
Previous
Next
Feedback
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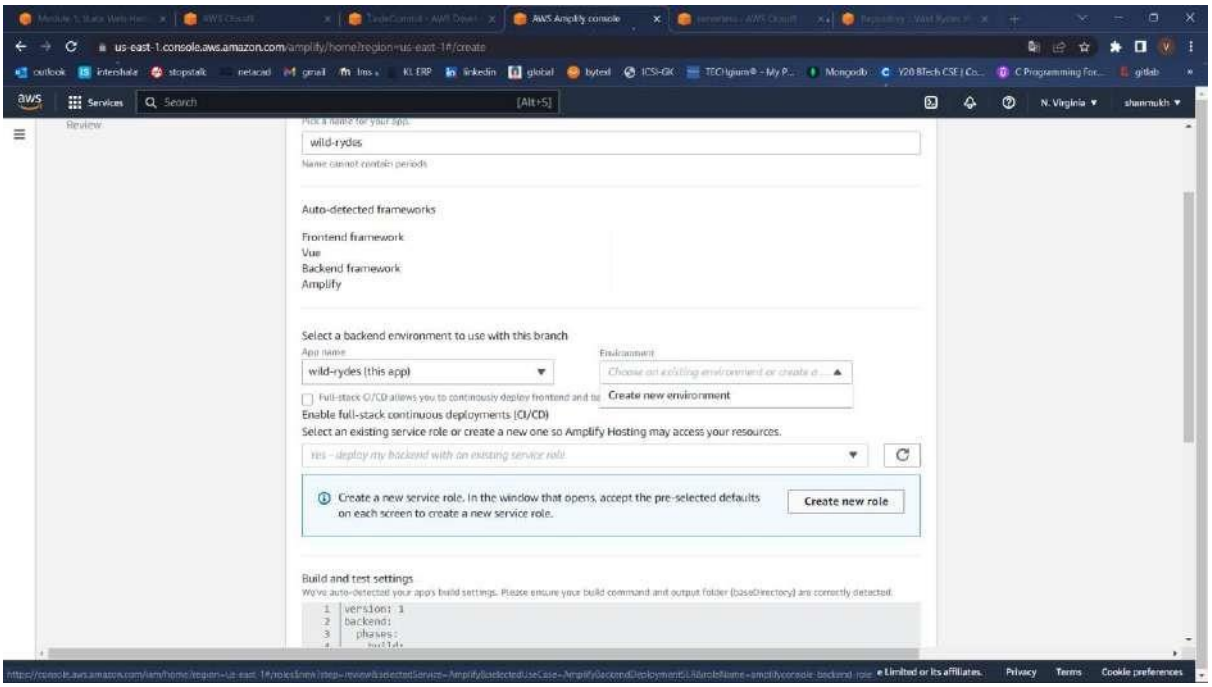
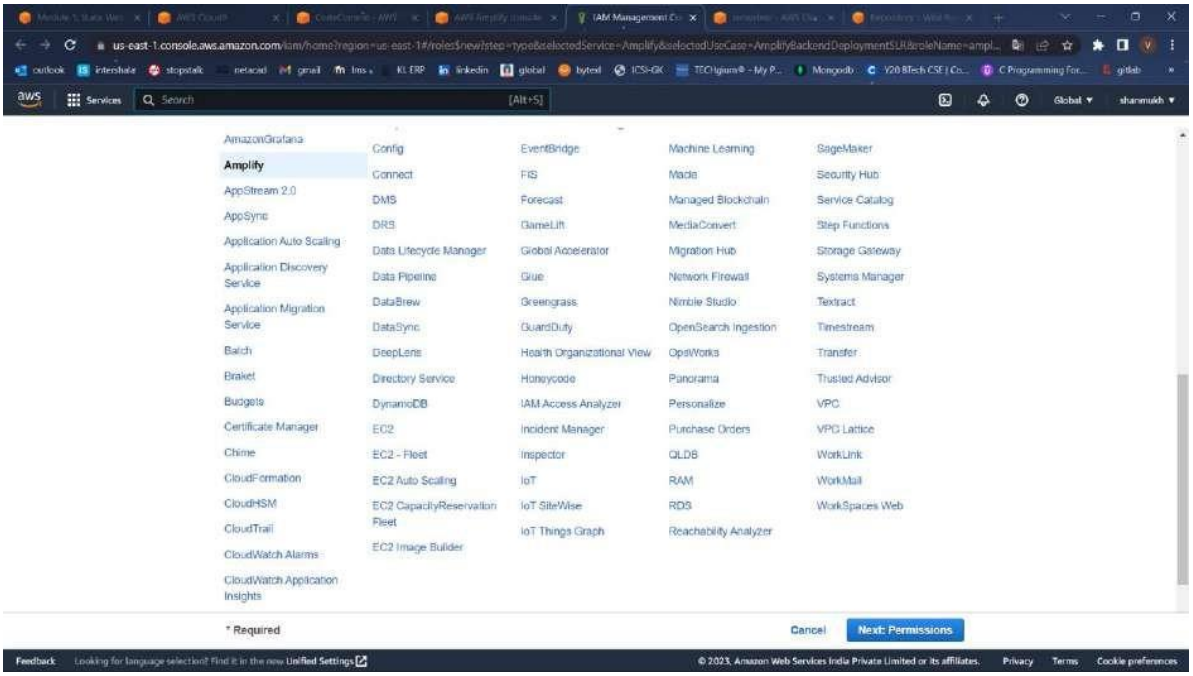

us-east-1.console.aws.amazon.com/amplify/home?region=us-east-1#/create
AWS Amplify console
Services
Search
[Alt+S]
N. Virginia
shanmukh
wild-rydes
Name cannot contain periods
Auto-detected frameworks
Frontend framework
Vue
Backend framework
Amplify
Select a backend environment to use with this branch
App name
wild-rydes (this app)
Environment
Create new environment
Enable full-stack continuous deployments (CI/CD)
Select an existing service role or create a new one so Amplify Hosting may access your resources.
Create a new service role. In the window that opens, accept the pre-selected defaults on each screen to create a new service role.
Create new role
Build and test settings
version: 1
backend:
phases:
Privacy
Terms
Cookie preferences


us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/roles$new?step=type&selectedService=Amplify&selectedUseCase=AmplifyBackendDeployment&roleName=ampl...
IAM Management Co...
Services
Search
[Alt+S]
Global
shanmukh
AmazonGrafana
Amplify
AppStream 2.0
AppSync
Application Auto Scaling
Application Discovery Service
Application Migration Service
Batch
Braket
Budgets
Certificate Manager
Chime
CloudFormation
CloudHSM
CloudTrail
CloudWatch Alarms
CloudWatch Application Insights
Config
Connect
DMS
DRS
Data Lifecycle Manager
Data Pipeline
DataBrew
DataSync
DeepLens
Directory Service
DynamoDB
EC2
EC2 - Fleet
EC2 Auto Scaling
EC2 CapacityReservation Fleet
EC2 Image Builder
EventBridge
FIS
Forecast
GameLift
Global Accelerator
Glue
Greengrass
GuardDuty
Health Organizational View
Honeycode
IAM Access Analyzer
Incident Manager
Inspector
IoT
IoT SiteWise
IoT Things Graph
Machine Learning
Made
Managed Blockchain
MediaConvert
Migration Hub
Network Firewall
Nimble Studio
OpenSearch Ingestion
OpsWorks
Panorama
Personalize
Purchase Orders
QLDB
RAM
RDS
Reachability Analyzer
SageMaker
Security Hub
Service Catalog
Step Functions
Storage Gateway
Systems Manager
Textract
Timestream
Transfer
Trusted Advisor
VPC
VPC Lattice
WorkLink
WorkMail
WorkSpaces Web
* Required
Cancel
Next: Permissions
Feedback
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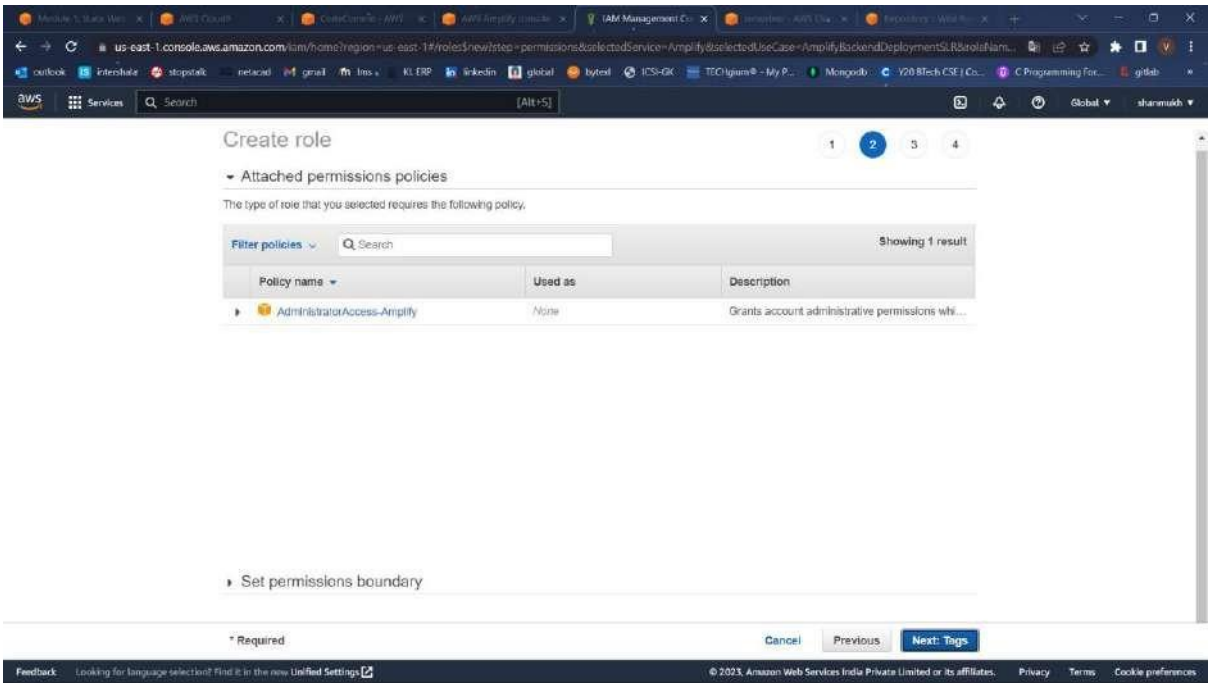
Create role
1 2 3 4
Attached permissions policies
The type of role that you selected requires the following policy.
Filter policies
Search
Showing 1 result
Policy name
Used as
Description
AdministratorAccess-Amplify
None
Grants account administrative permissions whi...
Set permissions boundary
* Required
Cancel
Previous
Next: Tags
Feedback
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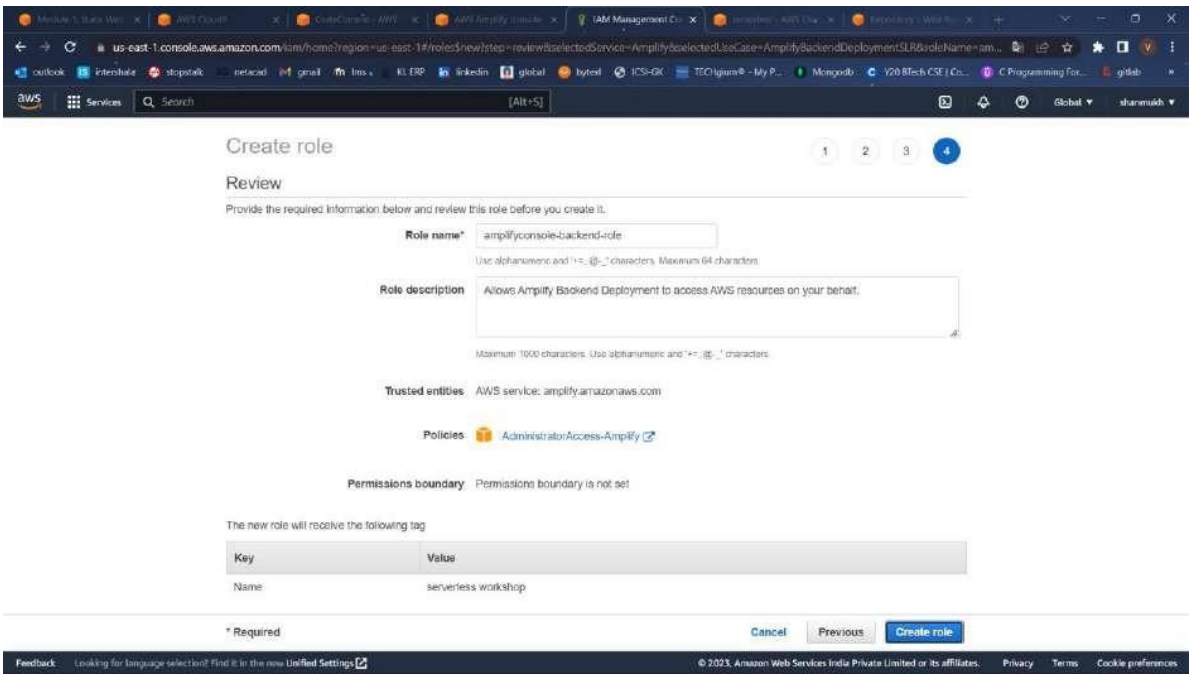
Create role
1 2 3 4
Review
Provide the required information below and review this role before you create it.
Role name*
amplifyconsole-backend-role
Use alphanumeric and '+=,.@-_' characters. Maximum 64 characters.
Role description
Allows Amplify Backend Deployment to access AWS resources on your behalf.
Maximum 1000 characters. Use alphanumeric and '+=,.@-_' characters.
Trusted entities
AWS service: amplify.amazonaws.com
Policies
AdministratorAccess-Amplify
Permissions boundary
Permissions boundary is not set
The new role will receive the following tag
Key
Value
Name
serverless workshop
* Required
Cancel
Previous
Create role
Feedback
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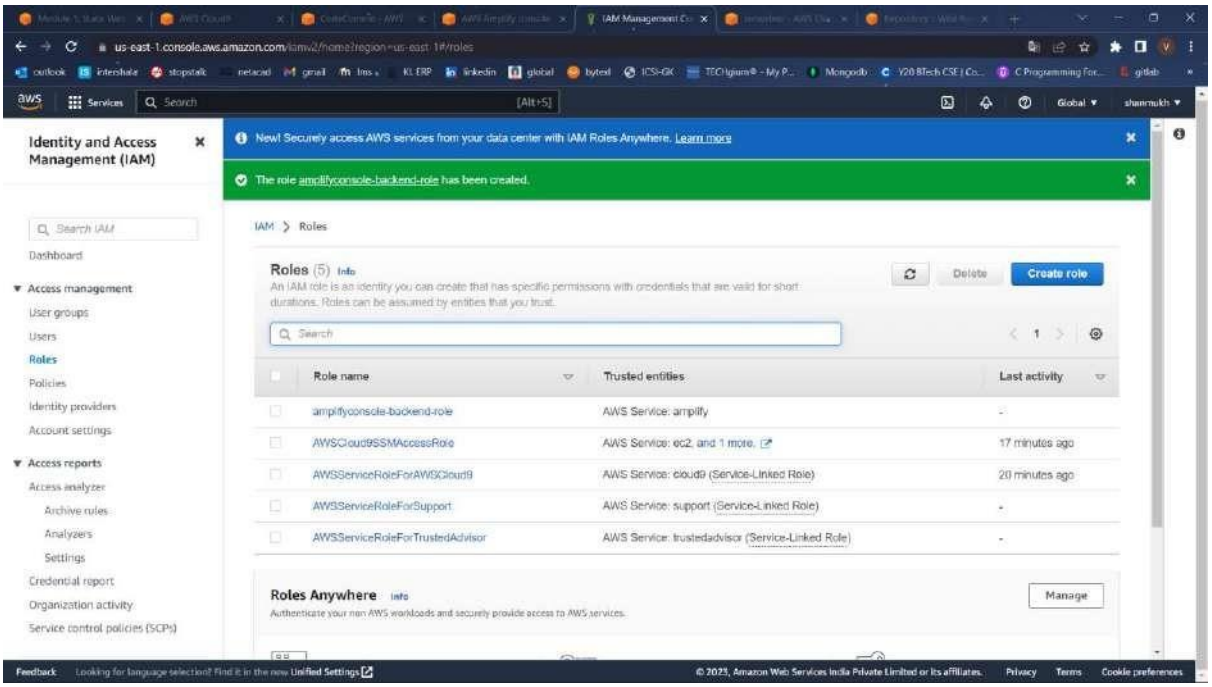
Identity and Access Management (IAM)
New! Securely access AWS services from your data center with IAM Roles Anywhere. Learn more
The role amplifyconsole-backend-role has been created.
IAM > Roles
Roles (5) Info
An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.
Delete
Create role
Role name
Trusted entities
Last activity
amplifyconsole-backend-role
AWS Service: amplify
-
AWSCloud9SSMAccessRole
AWS Service: ec2, and 1 more.
17 minutes ago
AWSServiceRoleForAWSCloud9
AWS Service: cloud9 (Service-Linked Role)
20 minutes ago
AWSServiceRoleForSupport
AWS Service: support (Service-Linked Role)
-
AWSServiceRoleForTrustedAdvisor
AWS Service: trustedadvisor (Service-Linked Role)
-
Roles Anywhere Info
Authenticate your non AWS workloads and securely provide access to AWS services.
Manage
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
Organization activity
Service control policies (SCPs)
Feedback
Looking for language selection? Find it in the new Unified Settings
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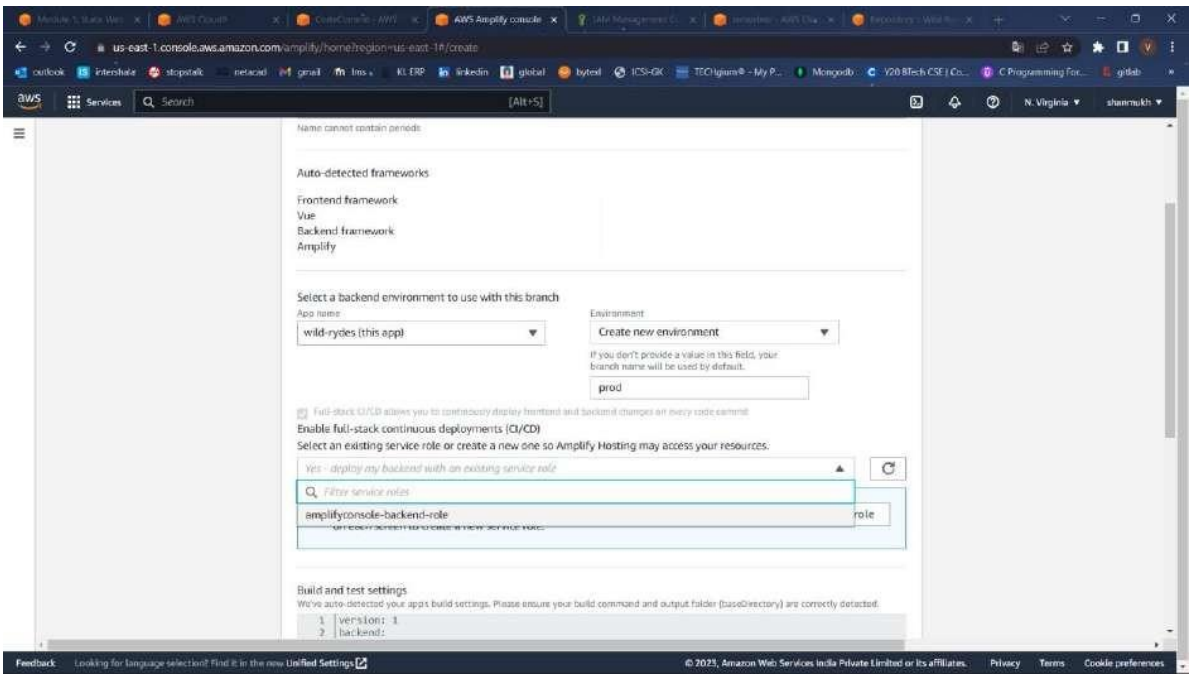
Auto-detected frameworks
Frontend framework
Vue
Backend framework
Amplify
Select a backend environment to use with this branch
App name
wild-rydes (this app)
Environment
Create new environment
prod
Enable full-stack continuous deployments (CI/CD)
Select an existing service role or create a new one so Amplify Hosting may access your resources.
amplifyconsole-backend-role
Build and test settings
version: 1
backend:
Feedback
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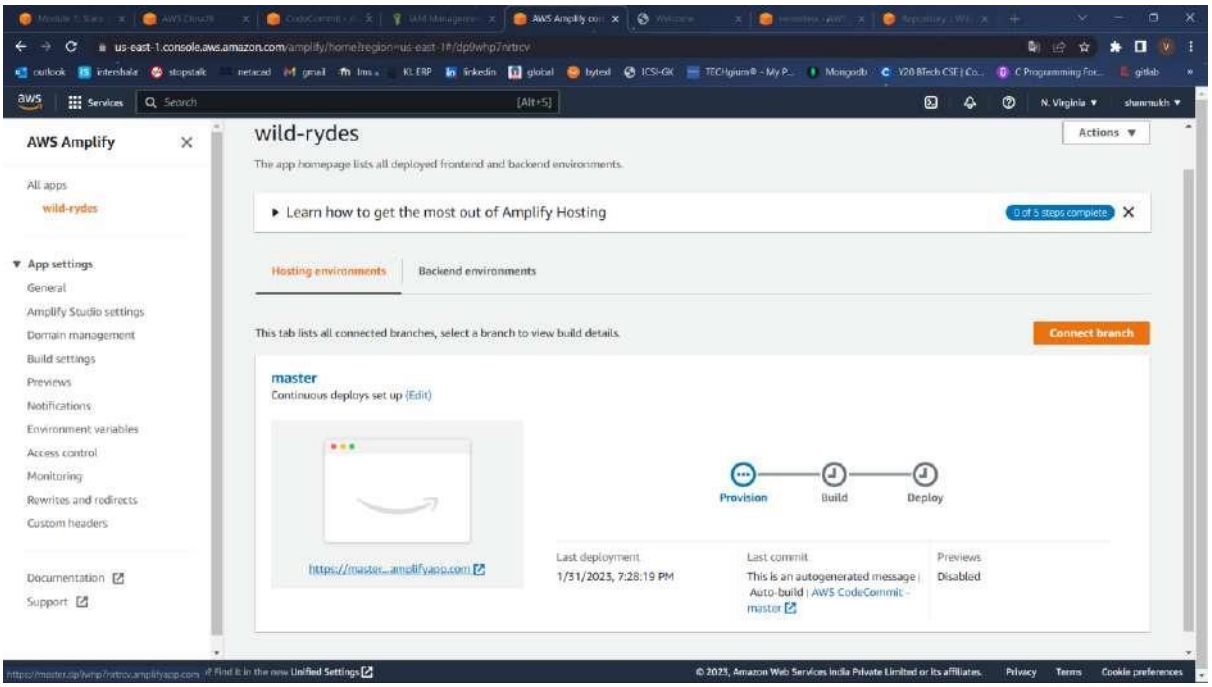
Cookie preferences


us-east-1.console.aws.amazon.com/amplify/home?region=us-east-1#/dp9whp7nrtrcv
AWS Amplify
All apps
wild-rydes
App settings
General
Amplify Studio settings
Domain management
Build settings
Previews
Notifications
Environment variables
Access control
Monitoring
Rewrites and redirects
Custom headers
Documentation
Support
wild-rydes
The app homepage lists all deployed frontend and backend environments.
Actions
Learn how to get the most out of Amplify Hosting
0 of 5 steps complete
Hosting environments
Backend environments
This tab lists all connected branches, select a branch to view build details.
Connect branch
master
Continuous deploys set up (Edit)
https://master...amplifyapp.com
Provision
Build
Deploy
Last deployment
1/31/2023, 7:28:19 PM
Last commit
This is an autogenerated message | Auto-build | AWS CodeCommit - master
Previews
Disabled
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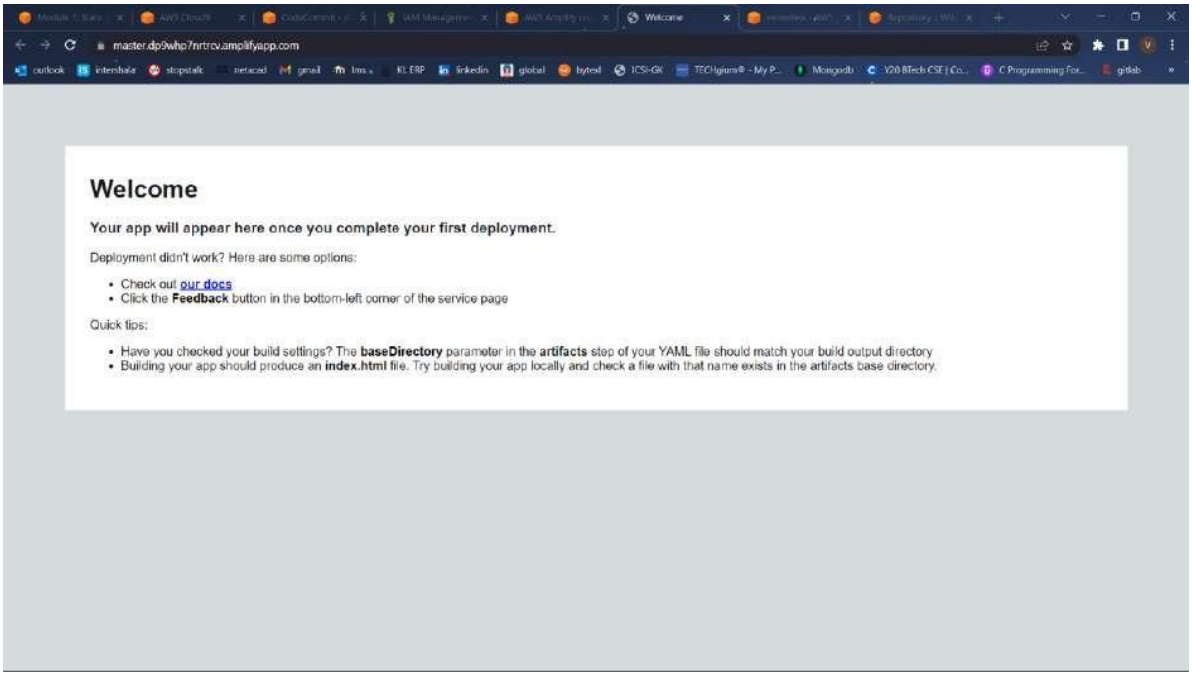
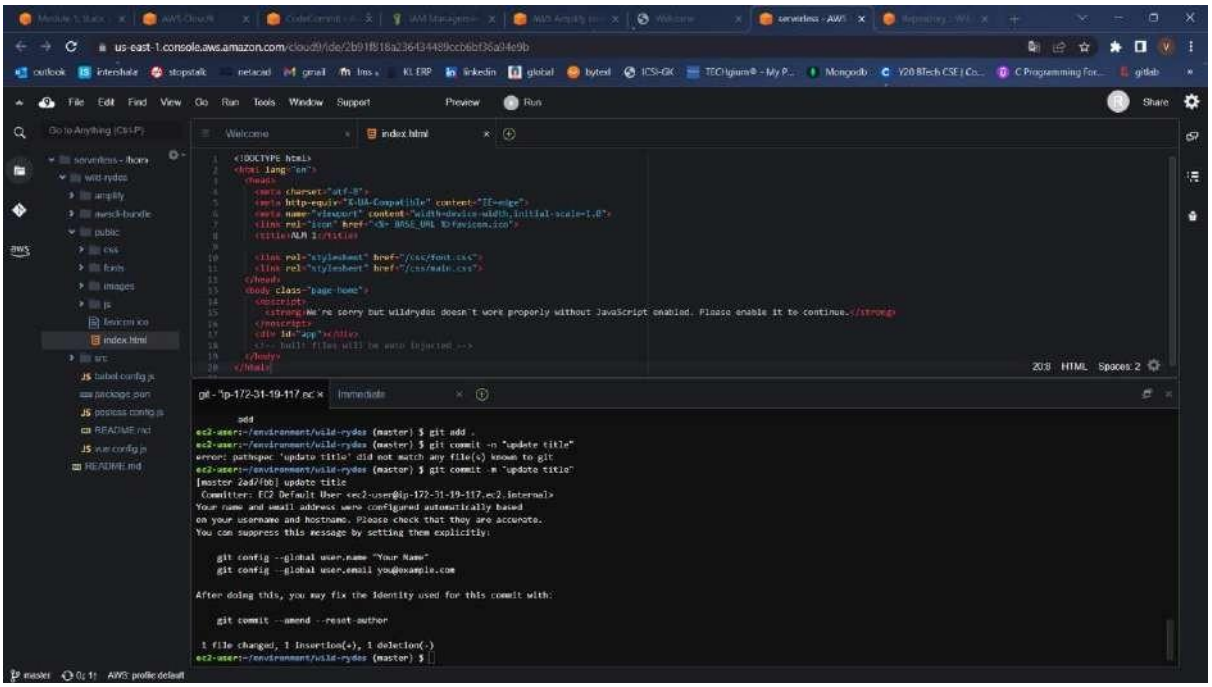
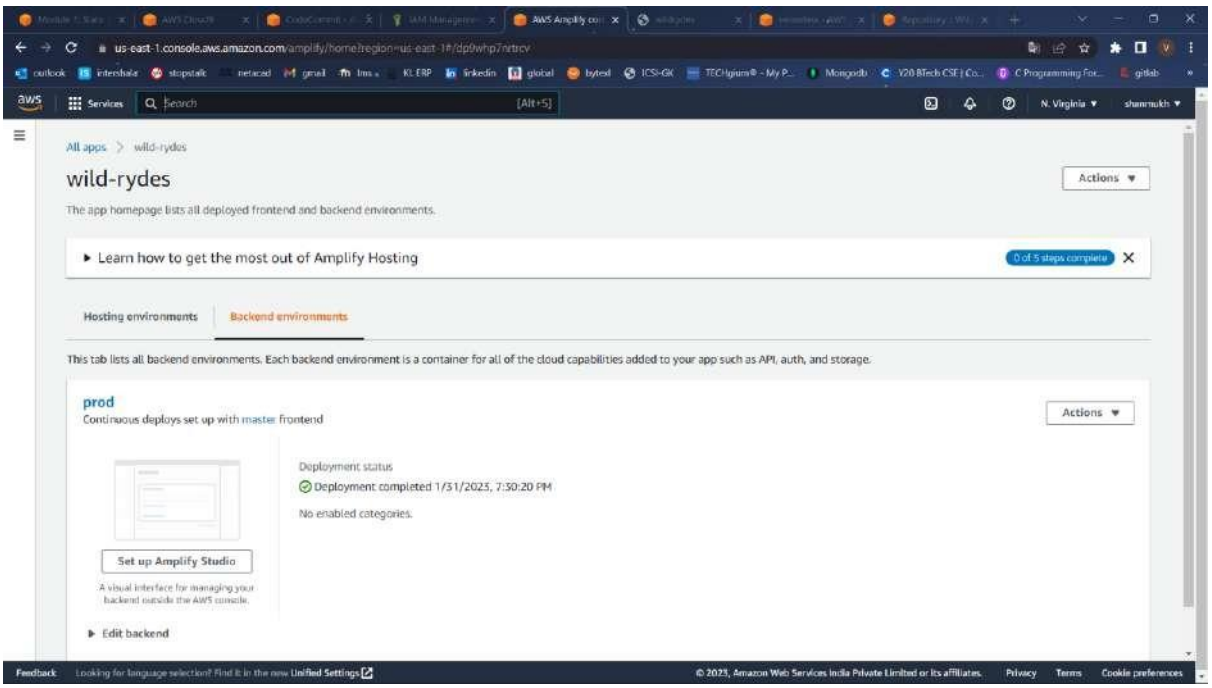
Terms
Cookie preferences


master.dp9whp7nrtrcv.amplifyapp.com
Welcome
Your app will appear here once you complete your first deployment.
Deployment didn't work? Here are some options:
Check out our docs
Click the Feedback button in the bottom-left corner of the service page
Quick tips:
Have you checked your build settings? The baseDirectory parameter in the artifacts step of your YAML file should match your build output directory
Building your app should produce an index.html file. Try building your app locally and check a file with that name exists in the artifacts base directory.

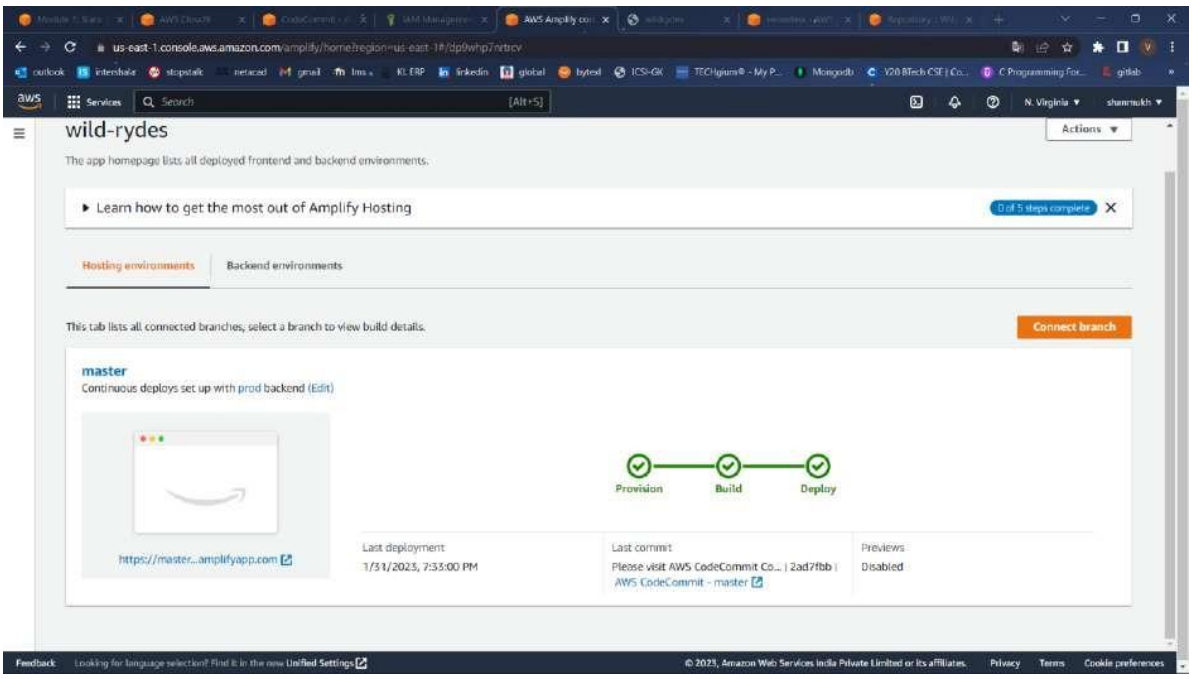




Deployment complited

OUTPUT :

master.dp9whp7nrtrcv.amplifyapp.com
Wild
RYDES


us-east-1.console.aws.amazon.com/amplify/home?region=us-east-1#/dp9whp7nrtrcv
Services
Search
[Alt+S]
N. Virginia
shanmukh
wild-rydes
Actions
The app homepage lists all deployed frontend and backend environments.
Learn how to get the most out of Amplify Hosting
0 of 5 steps complete
Hosting environments
Backend environments
This tab lists all connected branches, select a branch to view build details.
Connect branch
master
Continuous deploys set up with prod backend (Edit)
https://master...amplifyapp.com
Provision
Build
Deploy
Last deployment
1/31/2023, 7:33:00 PM
Last commit
Please visit AWS CodeCommit Co... | 2ad7fbb |
AWS CodeCommit - master
Previews
Disabled
Feedback
Looking for language selection? Find it in the new Unified Settings
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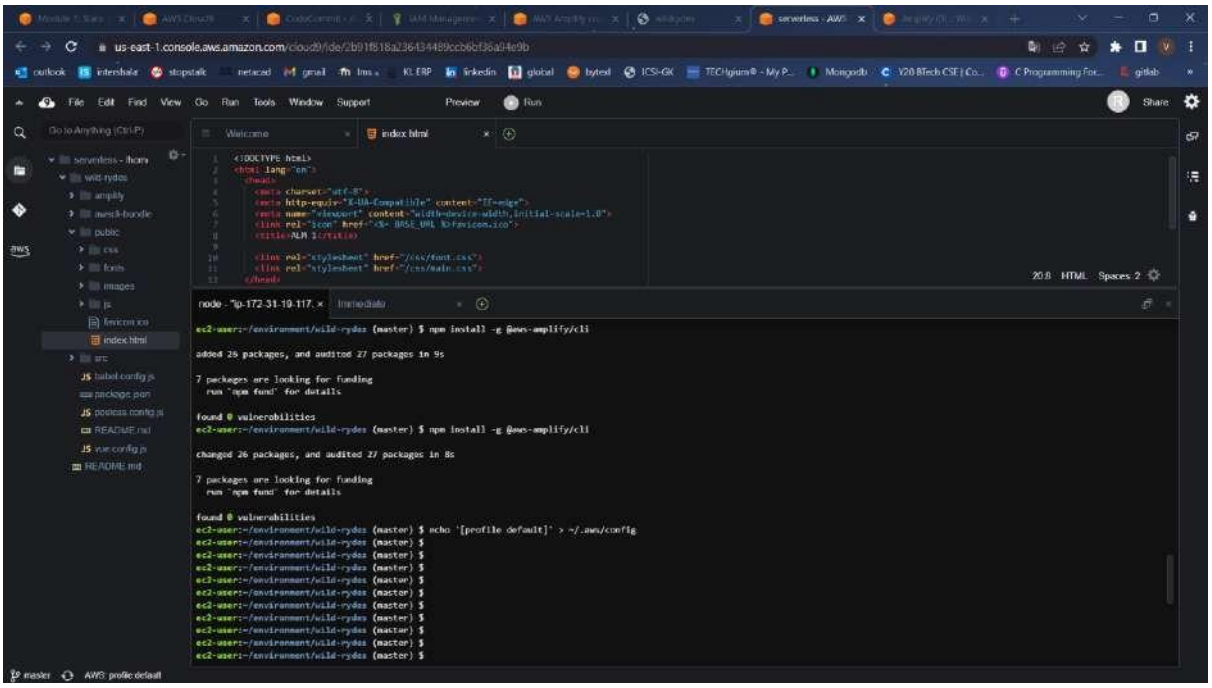
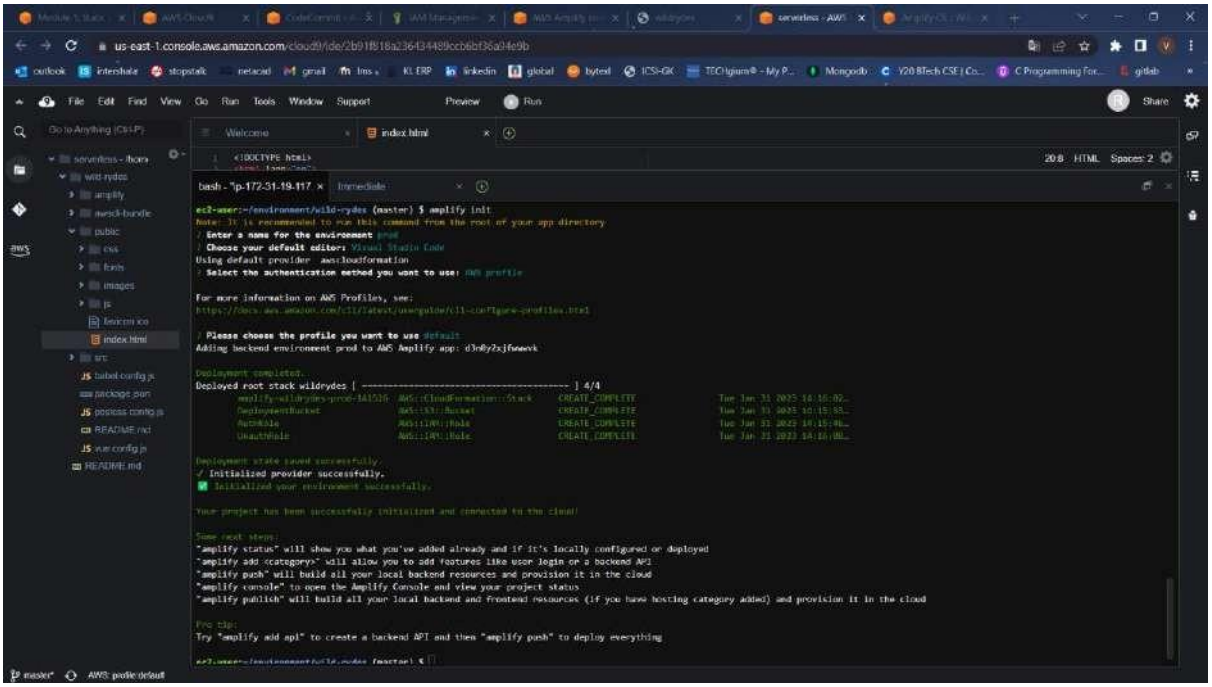
Terms
Cookie preferences

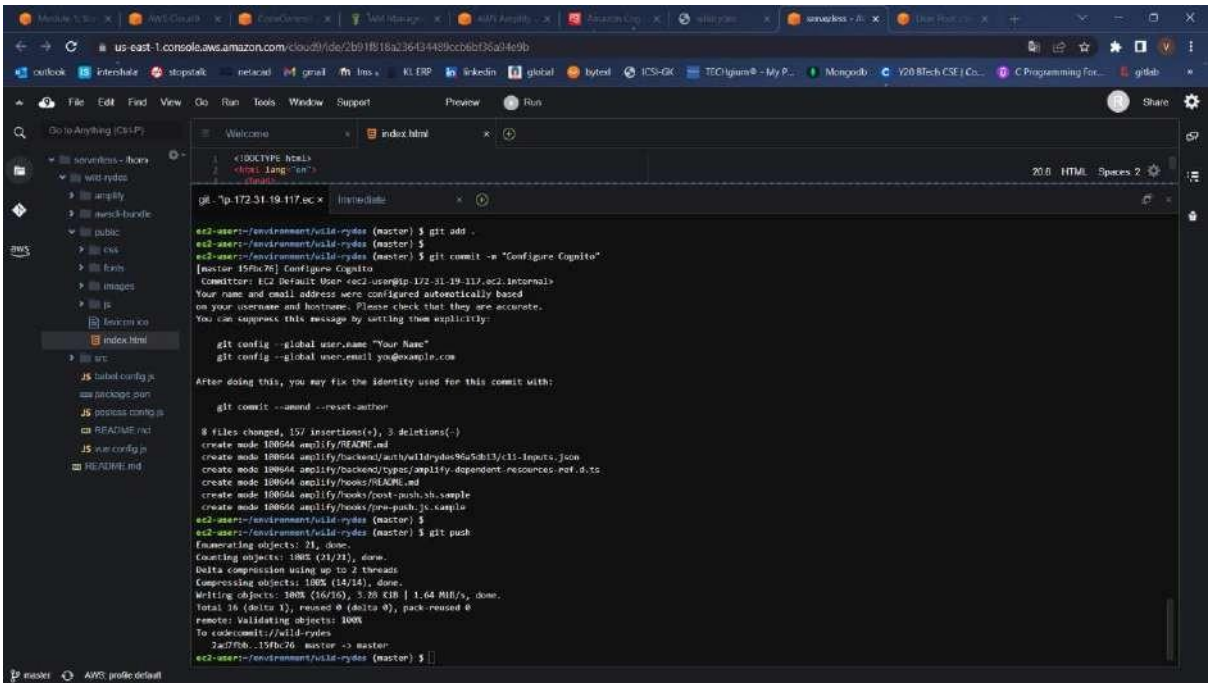
STEP 2 : USER MANAGEMENT

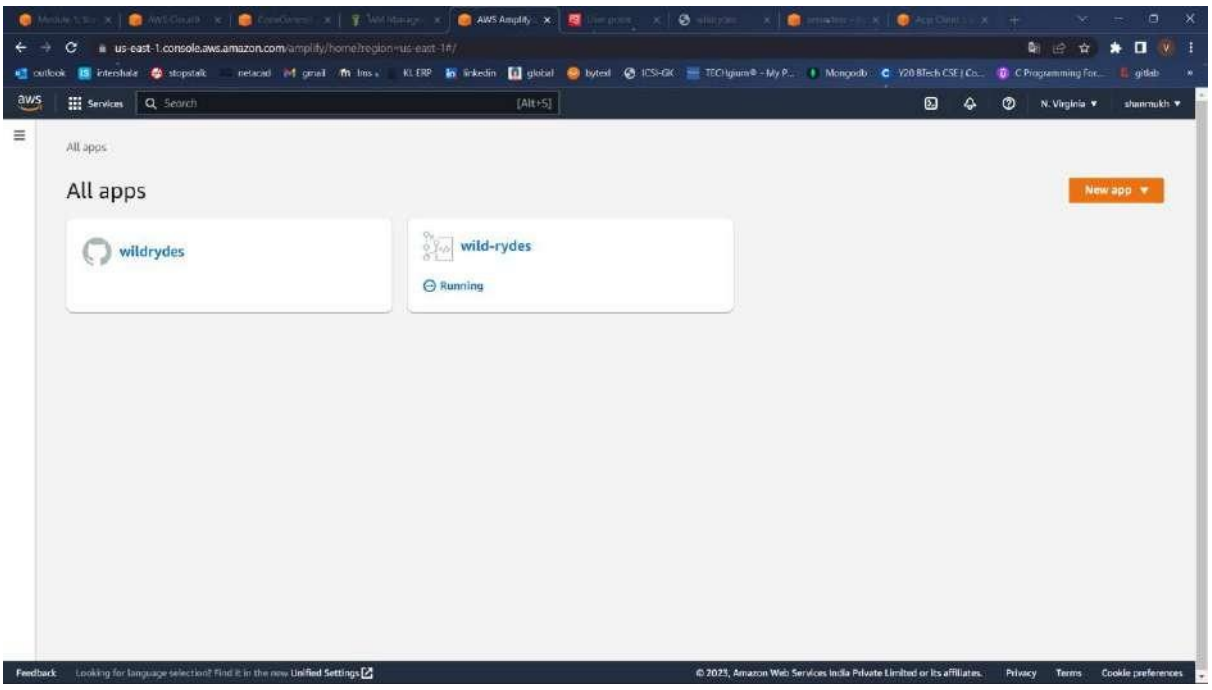
→Initialize AWS Amplify CLi



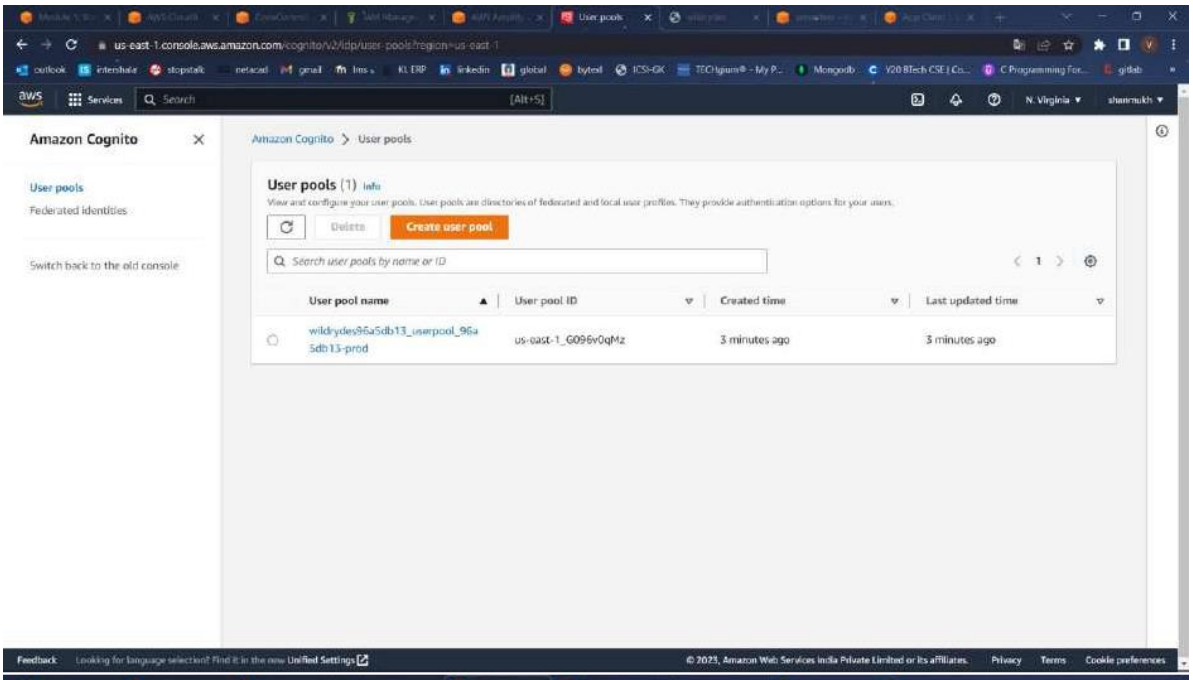


→Create an Amazon Cognito User Pool using AWS Amplify CLI





→Check Your User Pool's App Client


us-east-1.console.aws.amazon.com/cognito/v2/idp/user-pools?region=us-east-1
Services
Search
[Alt+S]
N. Virginia
shanmukh
Amazon Cognito
User pools
Federated identities
Switch back to the old console
Amazon Cognito > User pools
User pools (1) Info
View and configure your user pools. User pools are directories of federated and local user profiles. They provide authentication options for your users.
Delete
Create user pool
Search user pools by name or ID
User pool name
User pool ID
Created time
Last updated time
wildrydes96a5db13_userpool_96a5db13-prod
us-east-1_G096v0qMz
3 minutes ago
3 minutes ago
Feedback
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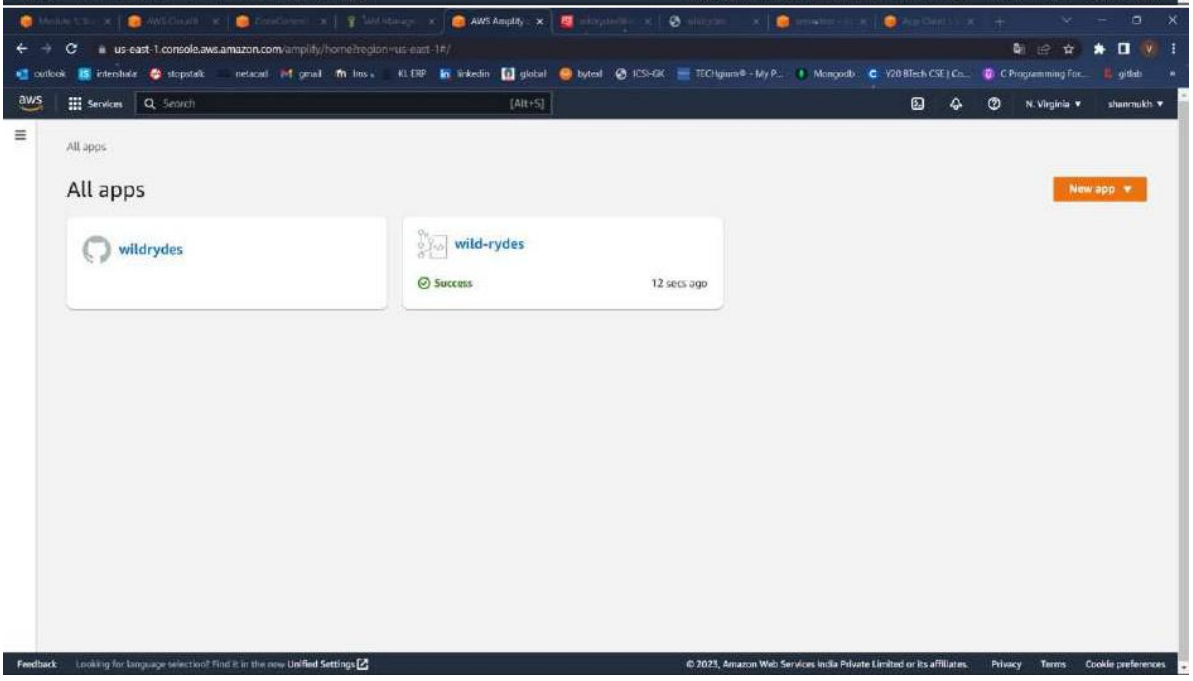
us-east-1.console.aws.amazon.com/amplify/home?region=us-east-1#/
Services
Search
[Alt+S]
N. Virginia
shanmukh
All apps
All apps
New app
wildrydes
wild-rydes
Success
12 secs ago
Feedback
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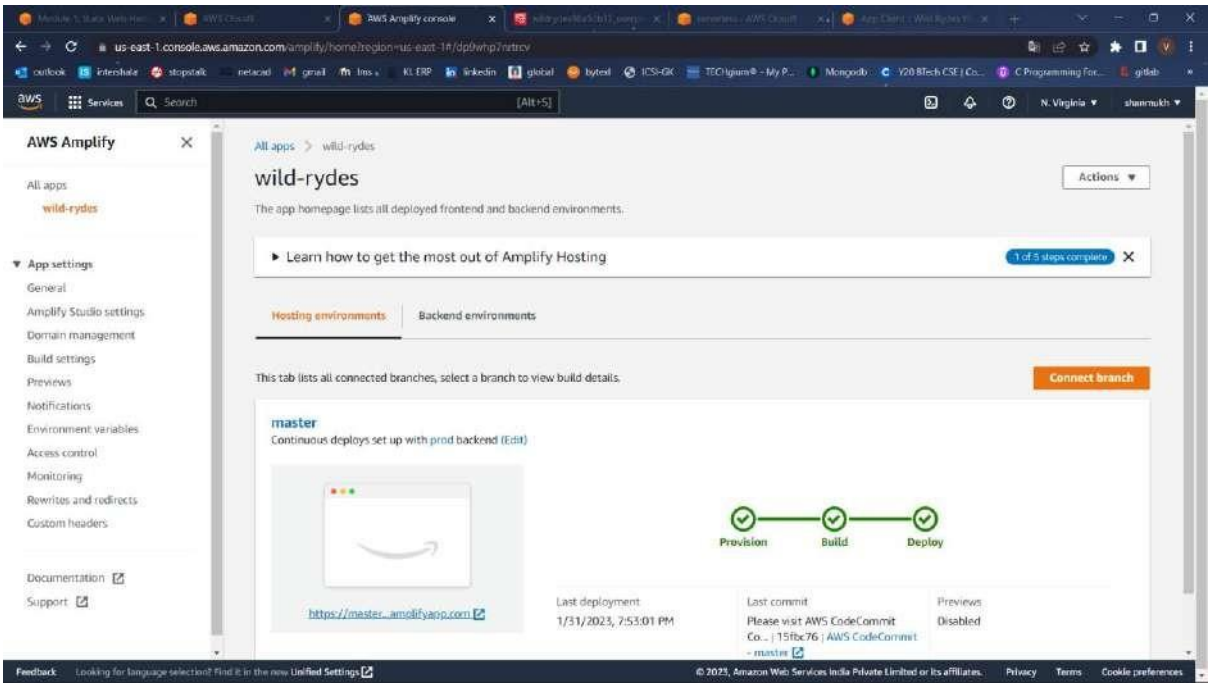
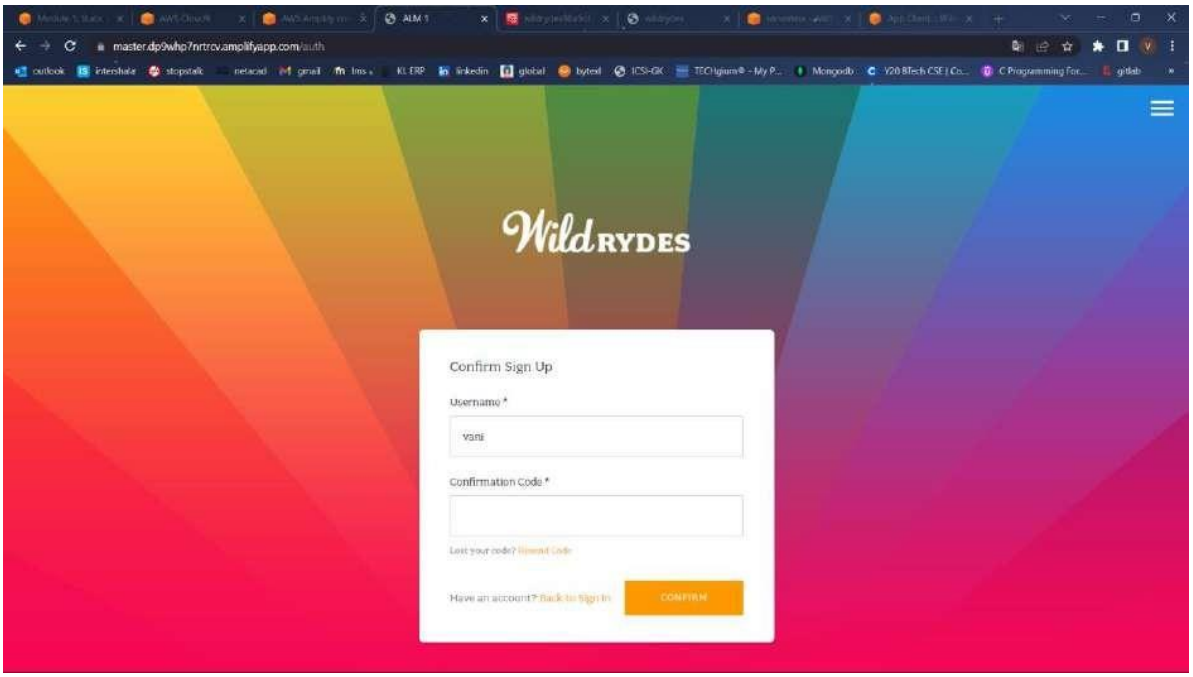
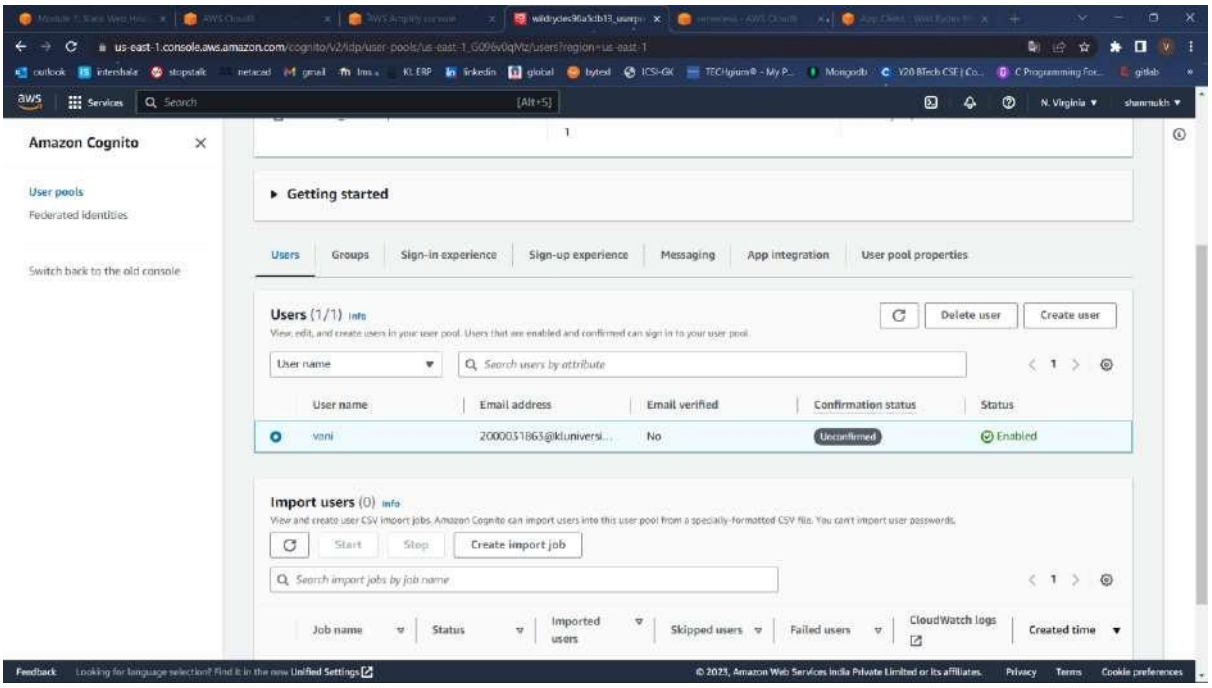


→Create a new user for your user pool




Amazon Cognito
User pools
Federated identities
Switch back to the old console
Getting started
Users
Groups
Sign-in experience
Sign-up experience
Messaging
App integration
User pool properties
Users (1/1) Info
View, edit, and create users in your user pool. Users that are enabled and confirmed can sign in to your user pool.
Delete user
Create user
User name
Search users by attribute
User name
Email address
Email verified
Confirmation status
Status
vani
2000031863@kluniversi...
No
Unconfirmed
Enabled
Import users (0) Info
View and create user CSV import jobs. Amazon Cognito can import users into this user pool from a specially-formatted CSV file. You can't import user passwords.
Start
Stop
Create import job
Search import jobs by job name
Job name
Status
Imported users
Skipped users
Failed users
CloudWatch logs
Created time
Feedback
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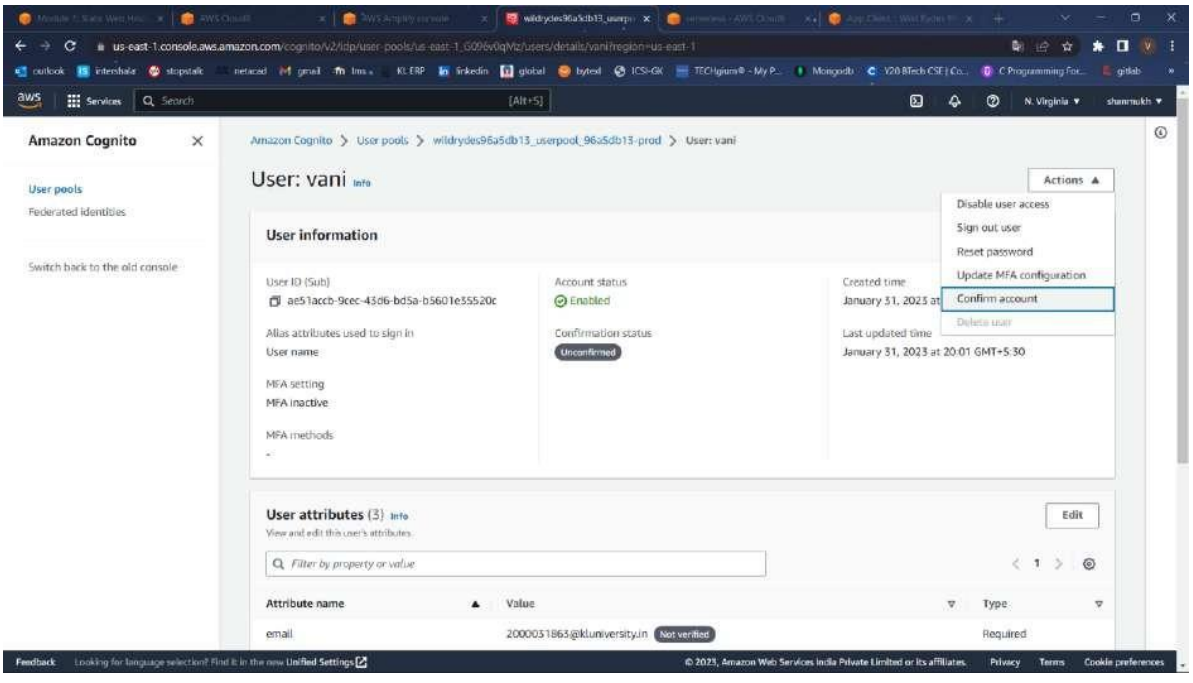
Amazon Cognito
User pools
Federated identities
Switch back to the old console
Amazon Cognito > User pools > wildrydes96a5db13_userpool_96a5db13-prod > User: vani
User: vani Info
Actions
Disable user access
Sign out user
Reset password
Update MFA configuration
Confirm account
Delete user
User information
User ID (Sub)
ae51accb-9cec-43d6-bd5a-b5601e35520c
Account status
Enabled
Created time
January 31, 2023 at
Alias attributes used to sign in
User name
Confirmation status
Unconfirmed
Last updated time
January 31, 2023 at 20:01 GMT+5:30
MFA setting
MFA inactive
MFA methods
-
User attributes (3) Info
View and edit this user's attributes.
Edit
Filter by property or value
Attribute name
Value
Type
email
2000031863@kluniversity.in
Not verified
Required
Feedback
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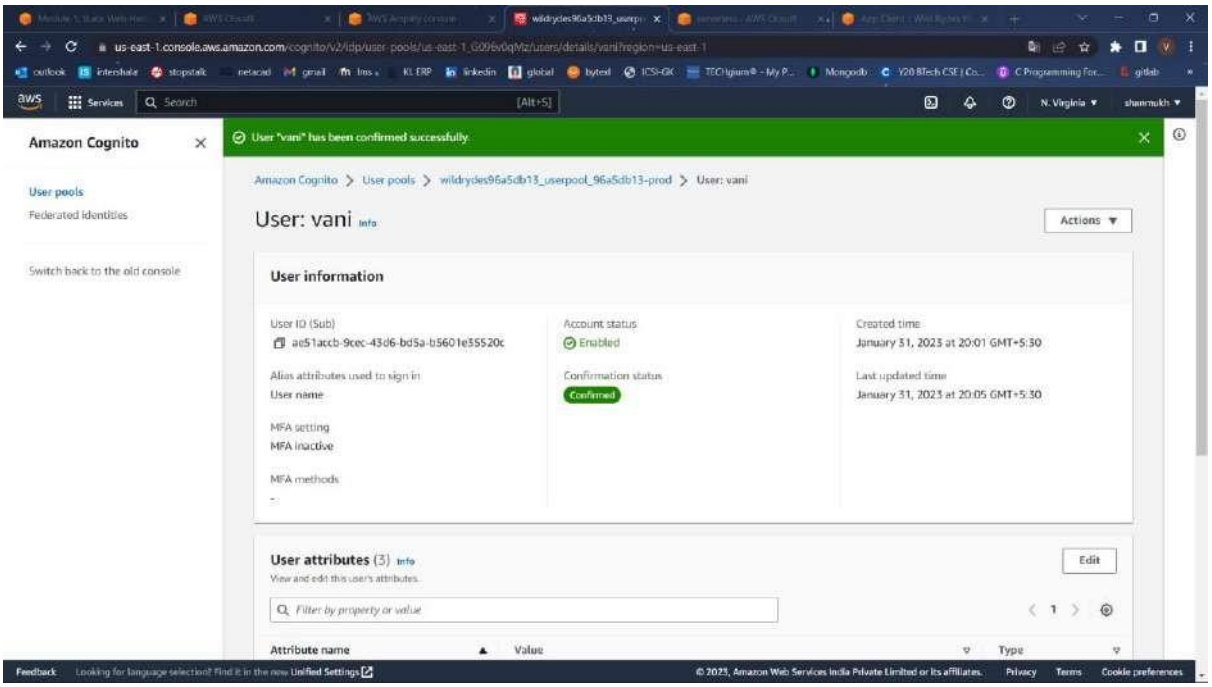
Amazon Cognito
User pools
Federated identities
Switch back to the old console
User "vani" has been confirmed successfully.
Amazon Cognito > User pools > wildrydes96a5db13_userpool_96a5db13-prod > User: vani
User: vani Info
Actions
User information
User ID (Sub)
ae51accb-9cec-43d6-bd5a-b5601e35520c
Account status
Enabled
Created time
January 31, 2023 at 20:01 GMT+5:30
Alias attributes used to sign in
User name
Confirmation status
Confirmed
Last updated time
January 31, 2023 at 20:05 GMT+5:30
MFA setting
MFA inactive
MFA methods
-
User attributes (3) Info
View and edit this user's attributes.
Edit
Filter by property or value
Attribute name
Value
Type
Feedback
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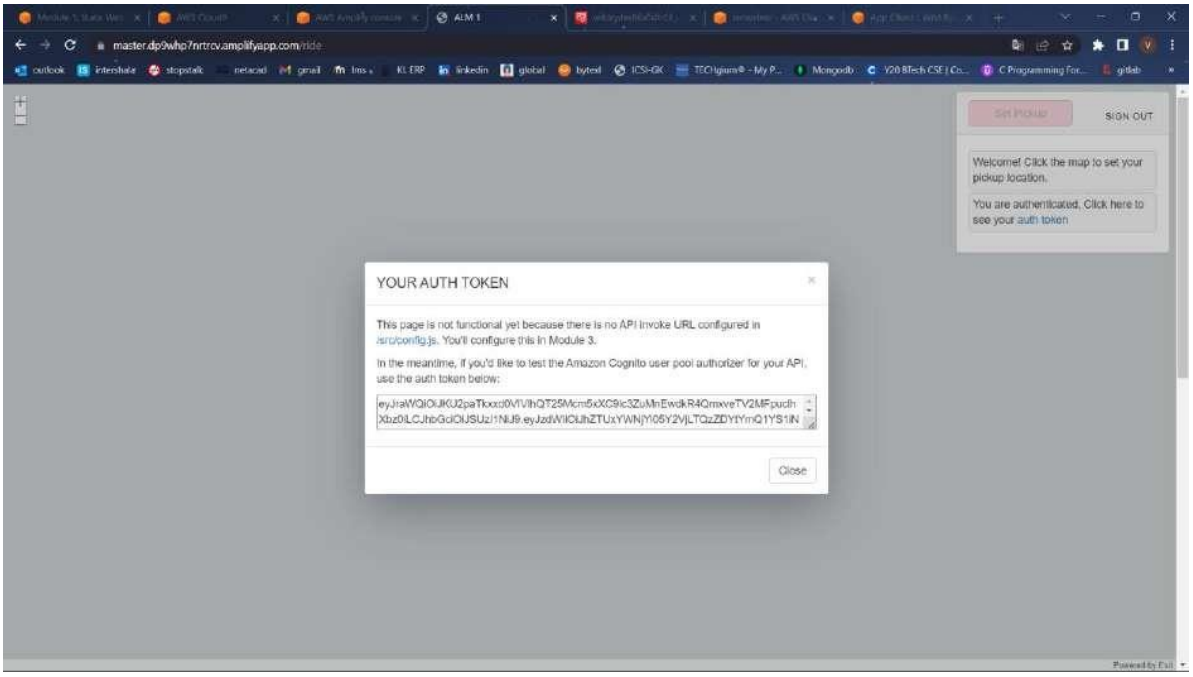
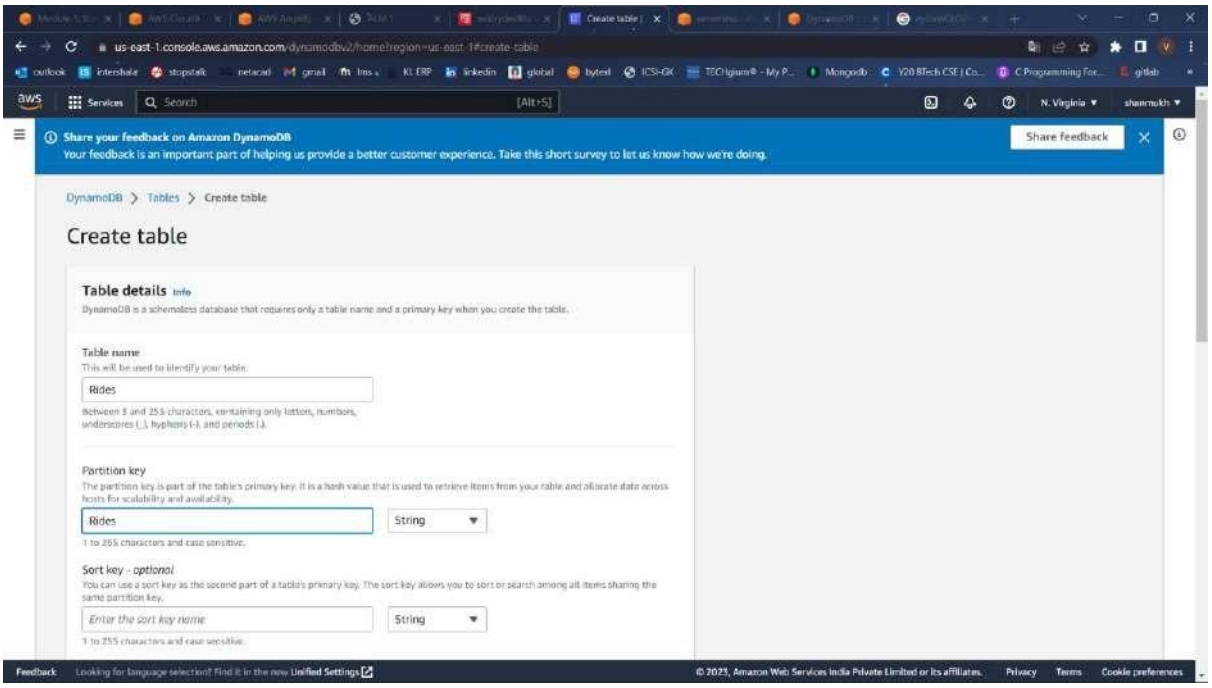
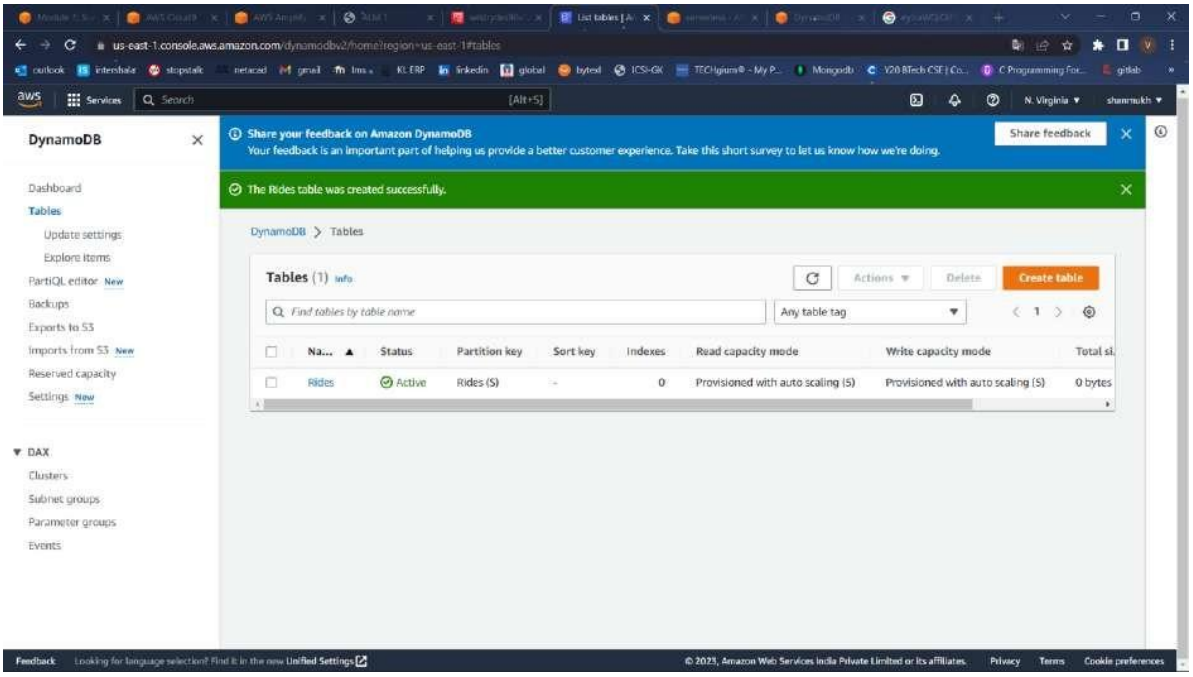

master.dp9whp7nrtrcv.amplifyapp.com/ride
SIGN OUT
Welcome! Click the map to set your pickup location.
You are authenticated. Click here to see your auth token
YOUR AUTH TOKEN
This page is not functional yet because there is no API invoke URL configured in /src/config.js. You'll configure this in Module 3.
In the meantime, if you'd like to test the Amazon Cognito user pool authorizer for your API, use the auth token below:
eyJraWQiOiJKU2paTkxxd0VlVlhQT25Mcm5xXC9ic3ZuMnEwdkR4QmxveTV2MFpudlhXbz0iLCJhbGciOiJSUzI1NiJ9.eyJzdWIiOiJhZTUxYWNjYi05Y2VjLTQzZDYtYmQ1YS1iN
Close

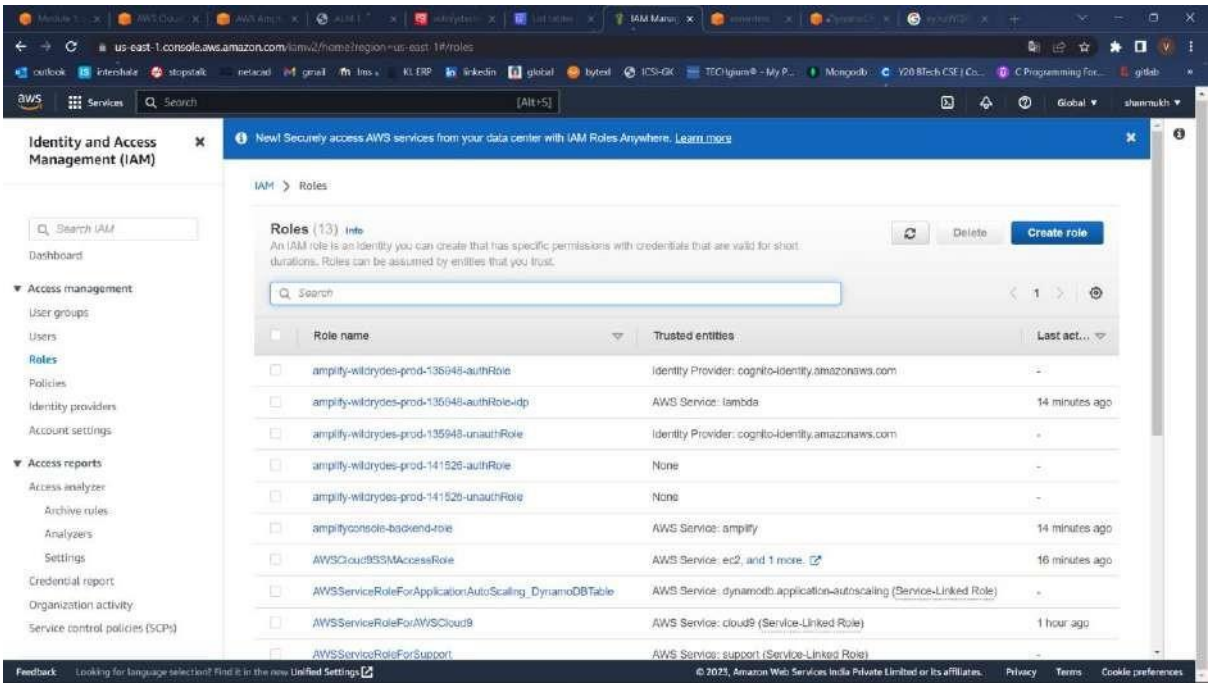
STEP 3 : SERVERLESS BACKEND

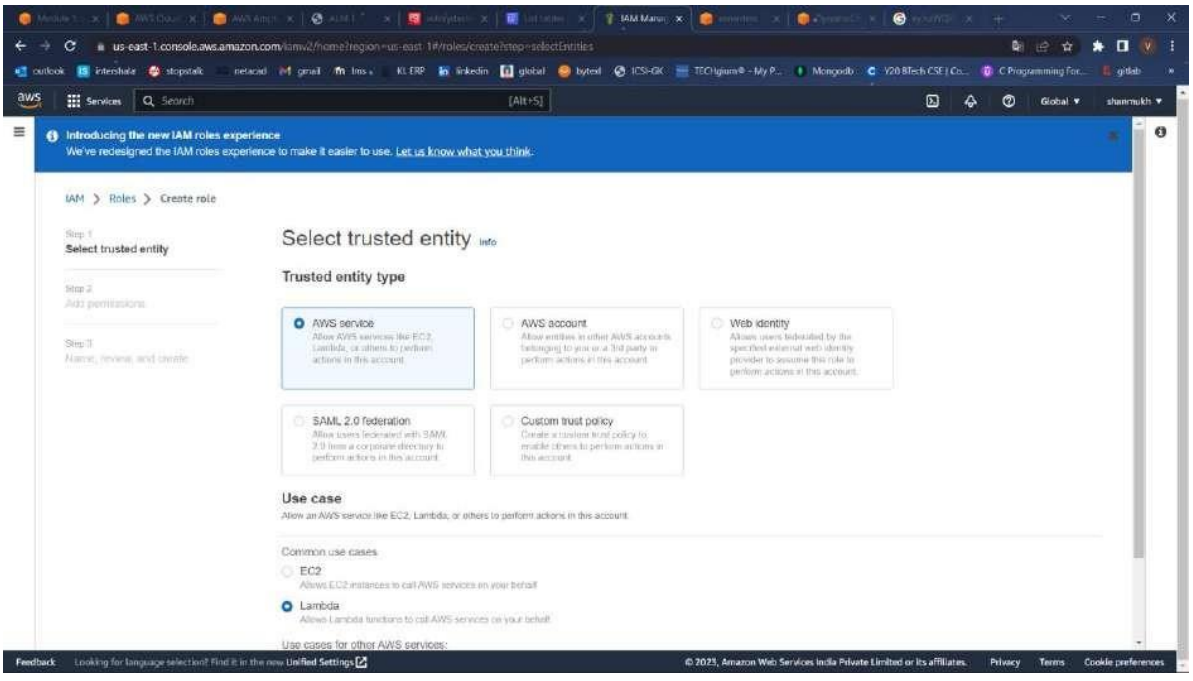
→Create an Amazon DynamoDB Table

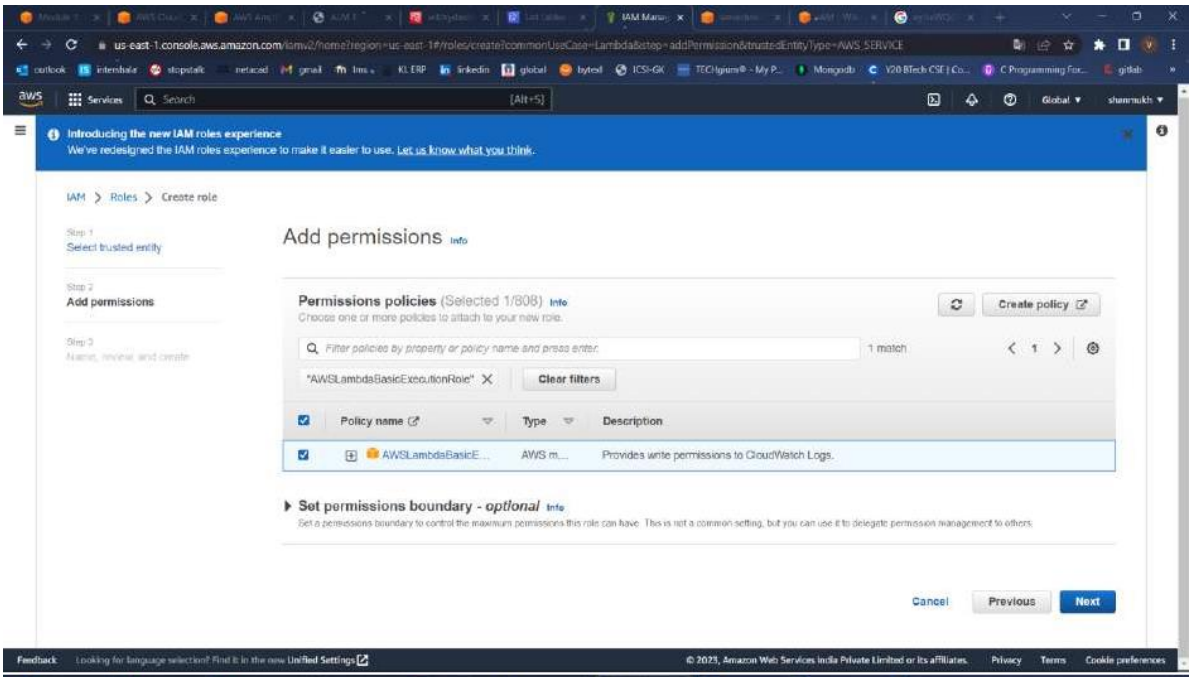




→Create an IAM Role for Your Lambda Function






Introducing the new IAM roles experience
We've redesigned the IAM roles experience to make it easier to use. Let us know what you think.
IAM > Roles > Create role
Step 1
Select trusted entity
Step 2
Add permissions
Step 3
Name, review, and create
Add permissions Info
Permissions policies (Selected 1/808) Info
Choose one or more policies to attach to your new role.
Create policy
Filter policies by property or policy name and press enter.
1 match
"AWSLambdaBasicExecutionRole"
Clear filters
Policy name
Type
Description
AWSLambdaBasicE...
AWS m...
Provides write permissions to CloudWatch Logs.
Set permissions boundary - optional Info
Set a permissions boundary to control the maximum permissions this role can have. This is not a common setting, but you can use it to delegate permission management to others.
Cancel
Previous
Next
Feedback
Looking for language selection? Find it in the new Unified Settings
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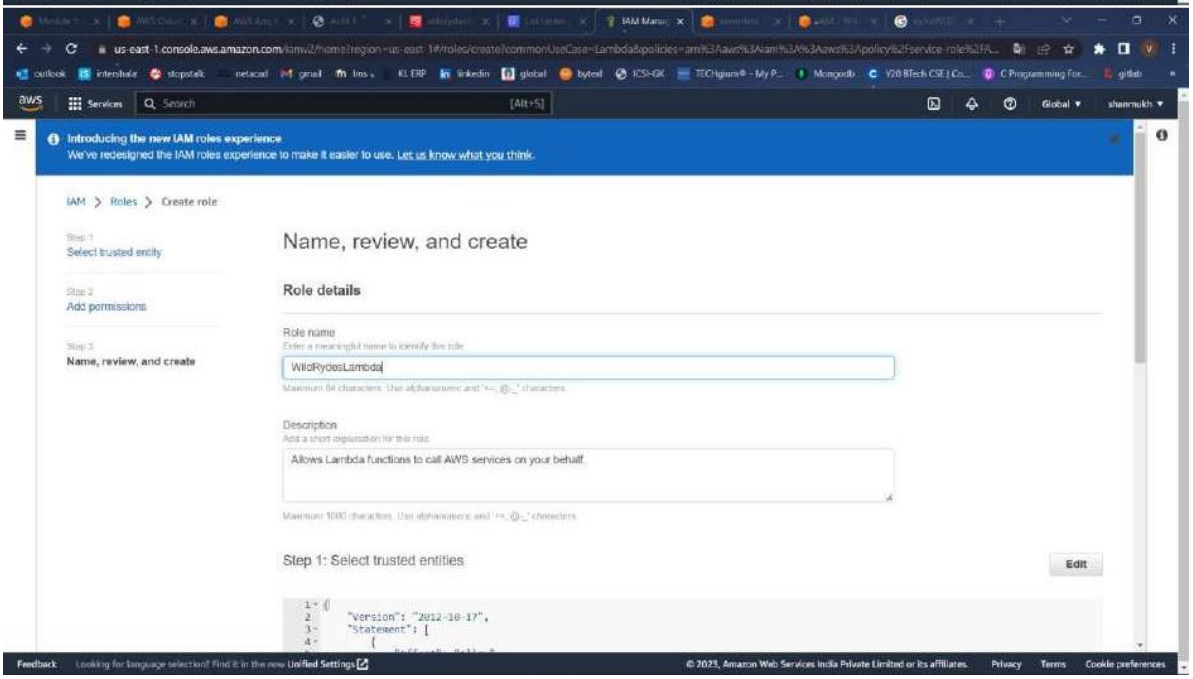
Cookie preferences


Introducing the new IAM roles experience
We've redesigned the IAM roles experience to make it easier to use. Let us know what you think.
IAM > Roles > Create role
Step 1
Select trusted entity
Step 2
Add permissions
Step 3
Name, review, and create
Name, review, and create
Role details
Role name
WildRydesLambda
Description
Allows Lambda functions to call AWS services on your behalf.
Step 1: Select trusted entities
Edit
{
"Version": "2012-10-17",
"Statement": [
{
Feedback
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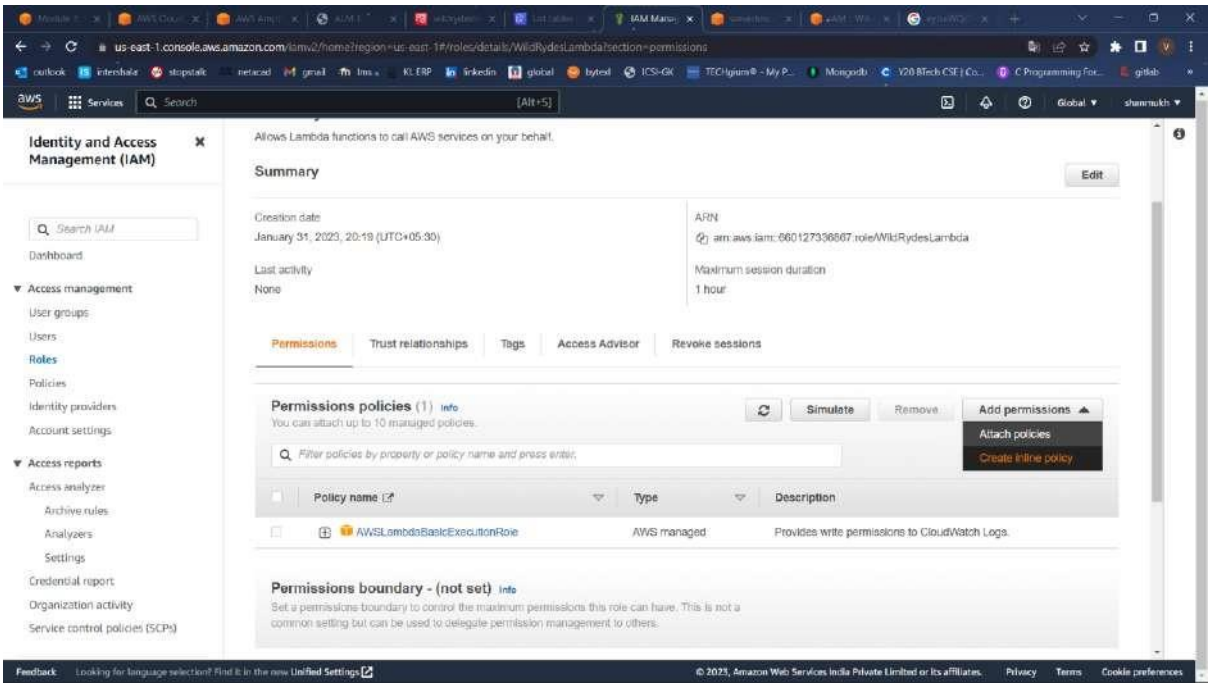
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/roles/details/WildRydesLambda?section=permissions
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Credential report
Organization activity
Service control policies (SCPs)
Allows Lambda functions to call AWS services on your behalf.
Summary
Edit
Creation date
January 31, 2023, 20:19 (UTC+05:30)
ARN
arn:aws:iam::660127336867:role/WildRydesLambda
Last activity
None
Maximum session duration
1 hour
Permissions
Trust relationships
Tags
Access Advisor
Revoke sessions
Permissions policies (1) Info
You can attach up to 10 managed policies.
Simulate
Remove
Add permissions
Attach policies
Create inline policy
Filter policies by property or policy name and press enter.
Policy name
Type
Description
AWSLambdaBasicExecutionRole
AWS managed
Provides write permissions to CloudWatch Logs.
Permissions boundary - (not set) Info
Set a permissions boundary to control the maximum permissions this role can have. This is not a common setting but can be used to delegate permission management to others.
Feedback
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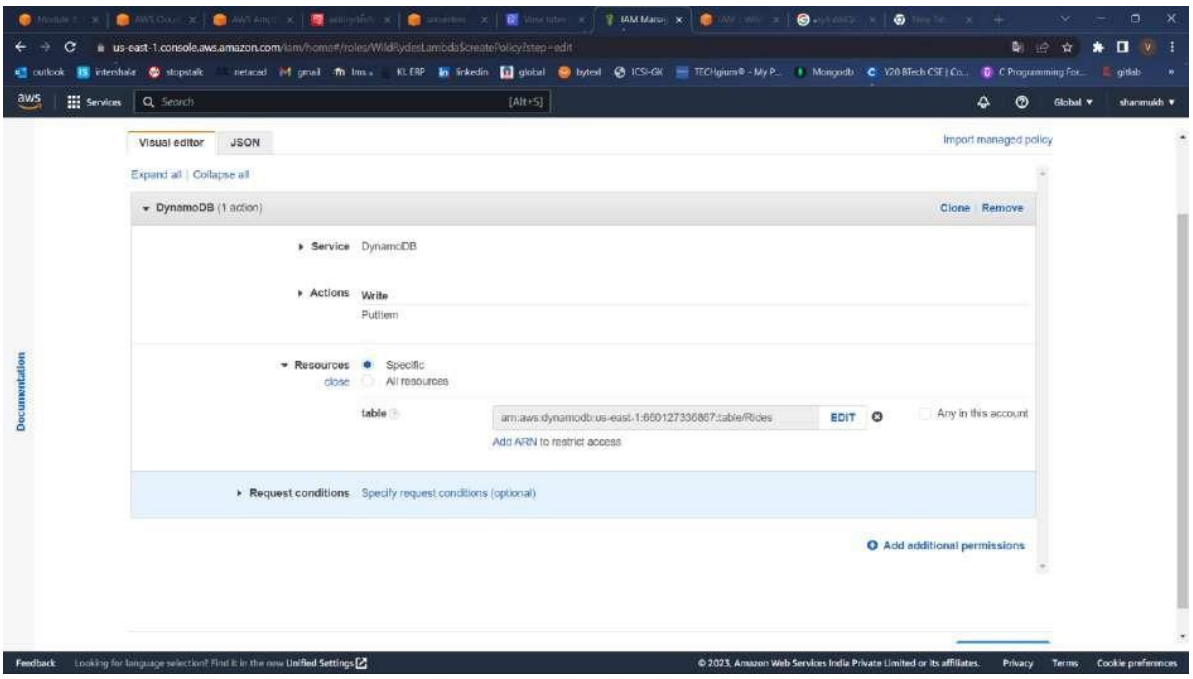
us-east-1.console.aws.amazon.com/iam/home#/roles/WildRydesLambda$createPolicy?step=edit
Visual editor
JSON
Import managed policy
Expand all | Collapse all
DynamoDB (1 action)
Clone
Remove
Service DynamoDB
Actions
Write
PutItem
Resources
Specific
close
All resources
table
arn:aws:dynamodb:us-east-1:660127336867:table/Rides
EDIT
Any in this account
Add ARN to restrict access
Request conditions
Specify request conditions (optional)
Add additional permissions
Documentation
Feedback
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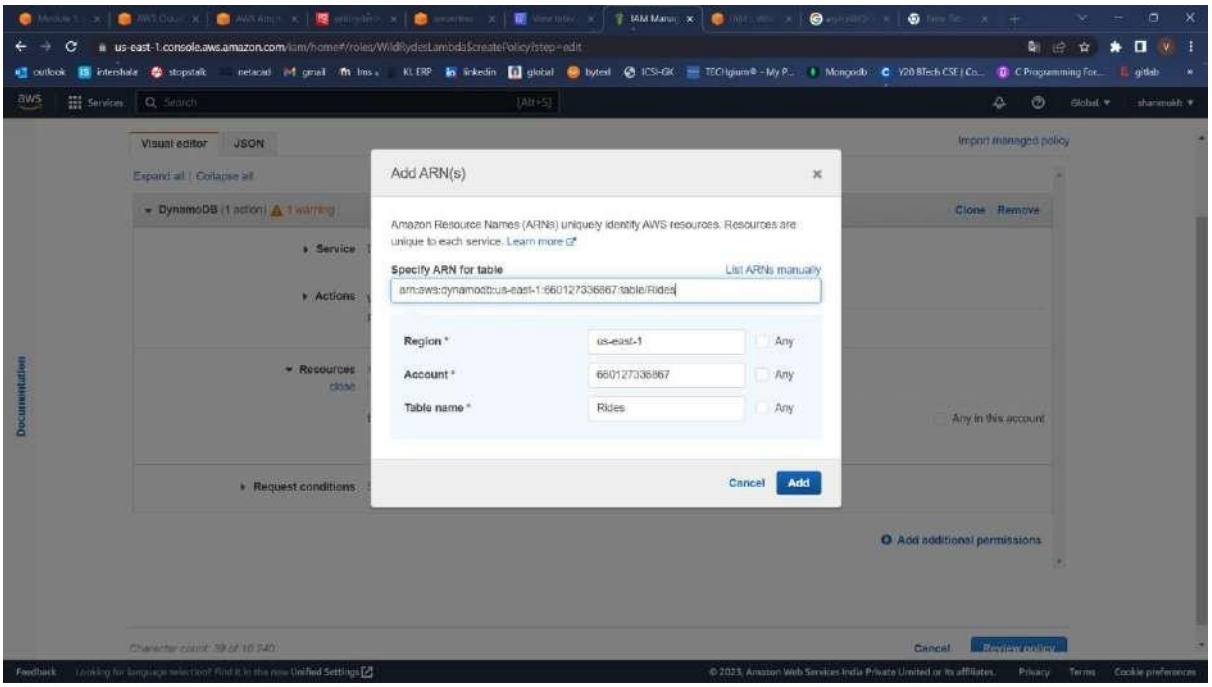
Add ARN(s)
Amazon Resource Names (ARNs) uniquely identify AWS resources. Resources are unique to each service. Learn more
Specify ARN for table
List ARNs manually
arn:aws:dynamodb:us-east-1:660127336867:table/Rides
Region *
us-east-1
Any
Account *
660127336867
Any
Table name *
Rides
Any
Cancel
Add
Visual editor
JSON
Import managed policy
Expand all | Collapse all
DynamoDB (1 action) 1 warning
Clone
Remove
Service
Actions
Resources
close
Request conditions
Any in this account
Add additional permissions
Cancel
Review policy
Documentation
Feedback
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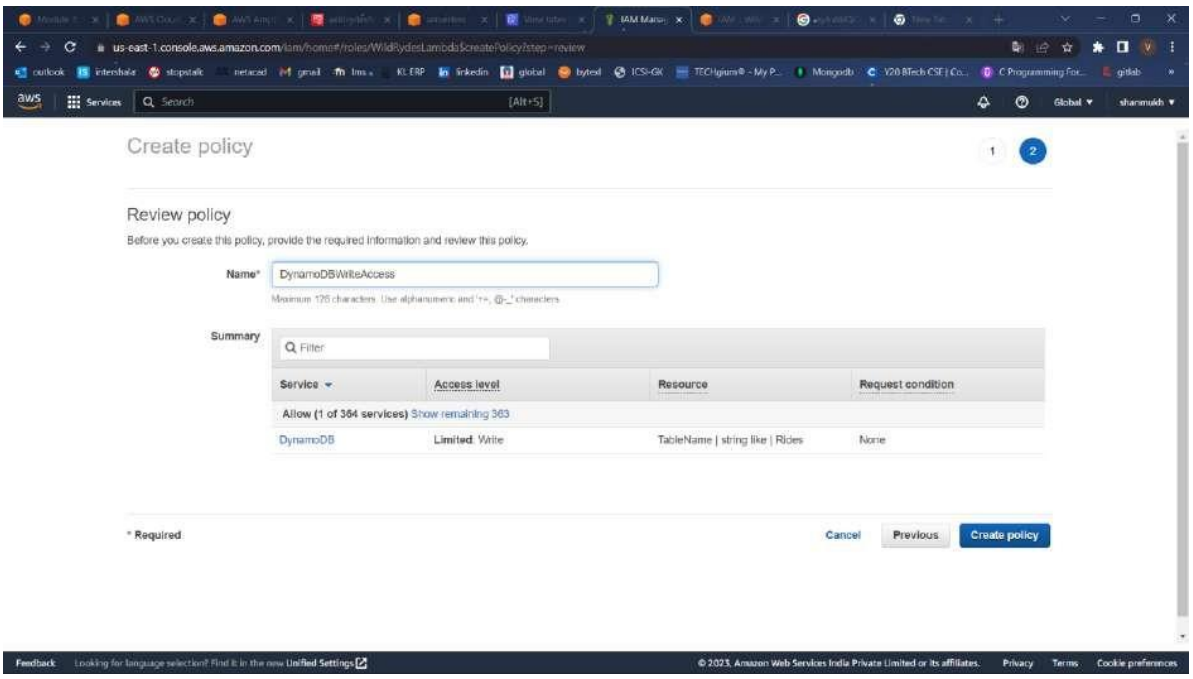
Create policy
1
2
Review policy
Before you create this policy, provide the required information and review this policy.
Name*
DynamoDBWriteAccess
Maximum 128 characters. Use alphanumeric and '+=,.@-_' characters.
Summary
Filter
Service
Access level
Resource
Request condition
Allow (1 of 364 services) Show remaining 363
DynamoDB
Limited: Write
TableName | string like | Rides
None
* Required
Cancel
Previous
Create policy
Feedback
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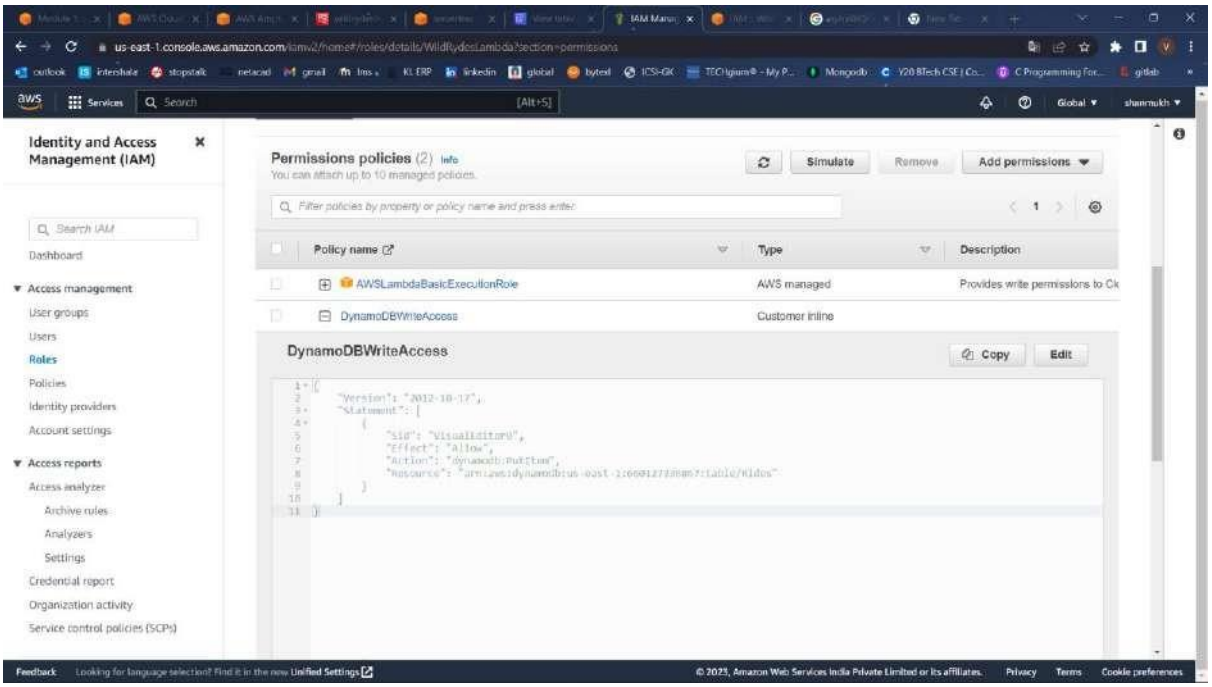
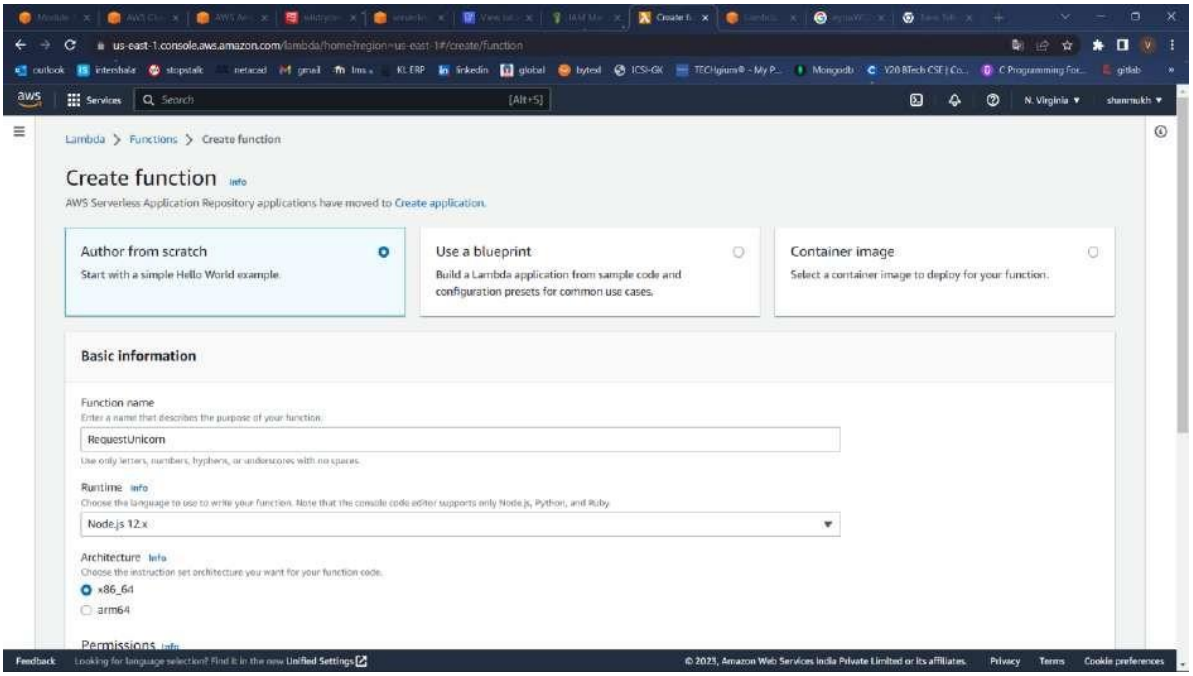
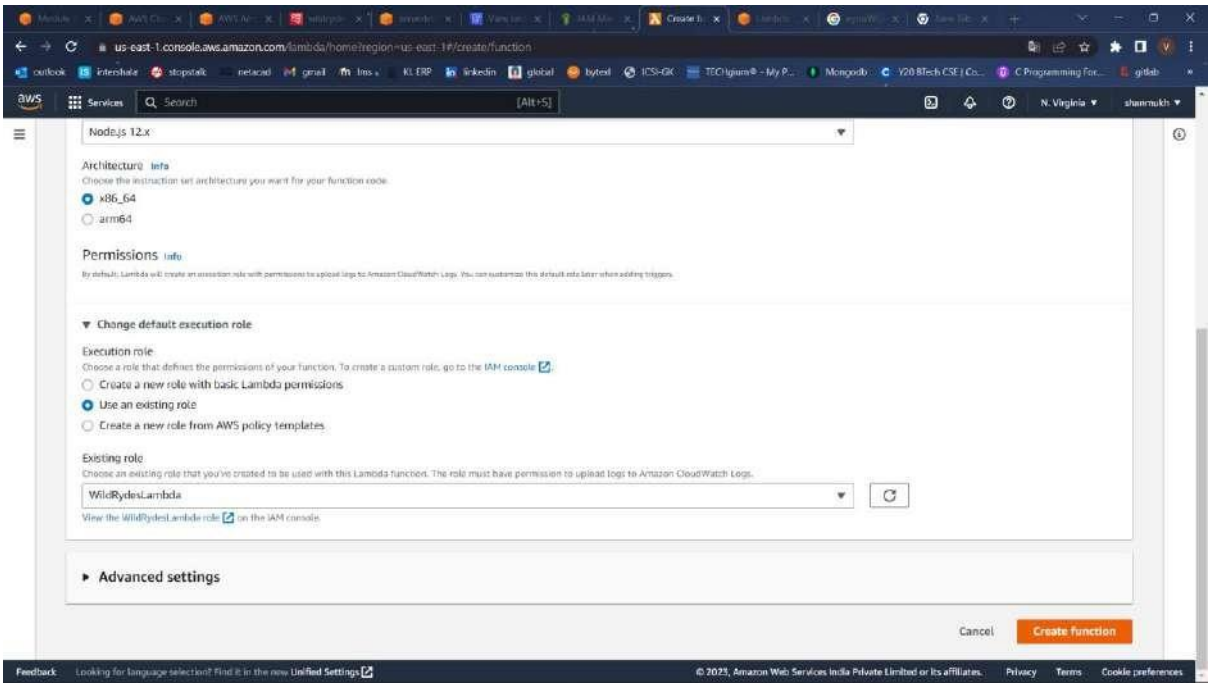


→Create a Lambda Function for Handling Requests




us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/create/function
Node.js 12.x
Architecture Info
Choose the instruction set architecture you want for your function code.
x86_64
arm64
Permissions Info
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.
Change default execution role
Execution role
Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.
Create a new role with basic Lambda permissions
Use an existing role
Create a new role from AWS policy templates
Existing role
Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.
WildRydesLambda
View the WildRydesLambda role on the IAM console.
Advanced settings
Cancel
Create function
Feedback
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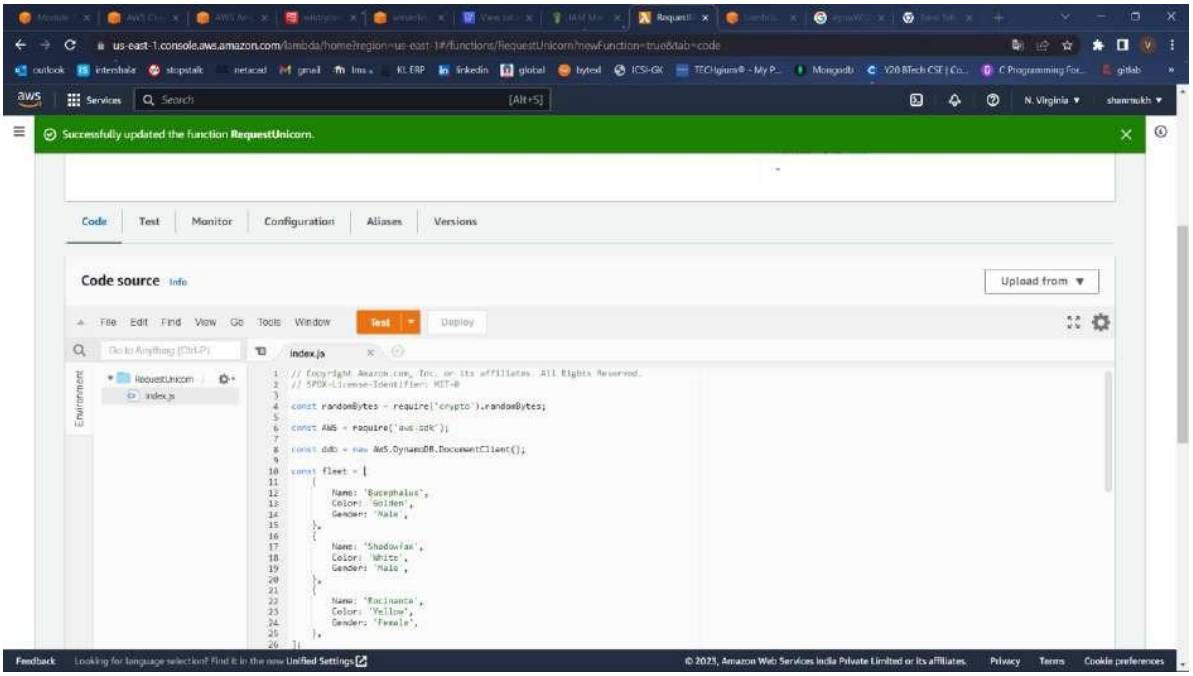
us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/RequestUnicorn?newFunction=true&tab=code
Successfully updated the function RequestUnicorn.
Code
Test
Monitor
Configuration
Aliases
Versions
Code source Info
Upload from
File Edit Find View Go Tools Window
Test
Deploy
index.js
RequestUnicorn
Environment
// Copyright Amazon.com, Inc. or its affiliates. All Rights Reserved.
// SPDX-License-Identifier: MIT-0
const randomBytes = require('crypto').randomBytes;
const AWS = require('aws-sdk');
const ddb = new AWS.DynamoDB.DocumentClient();
const fleet = [
{
Name: 'Bucephalus',
Color: 'Golden',
Gender: 'Male',
},
{
Name: 'Shadowfax',
Color: 'White',
Gender: 'Male',
},
{
Name: 'Rocinante',
Color: 'Yellow',
Gender: 'Female',
},
];
Feedback
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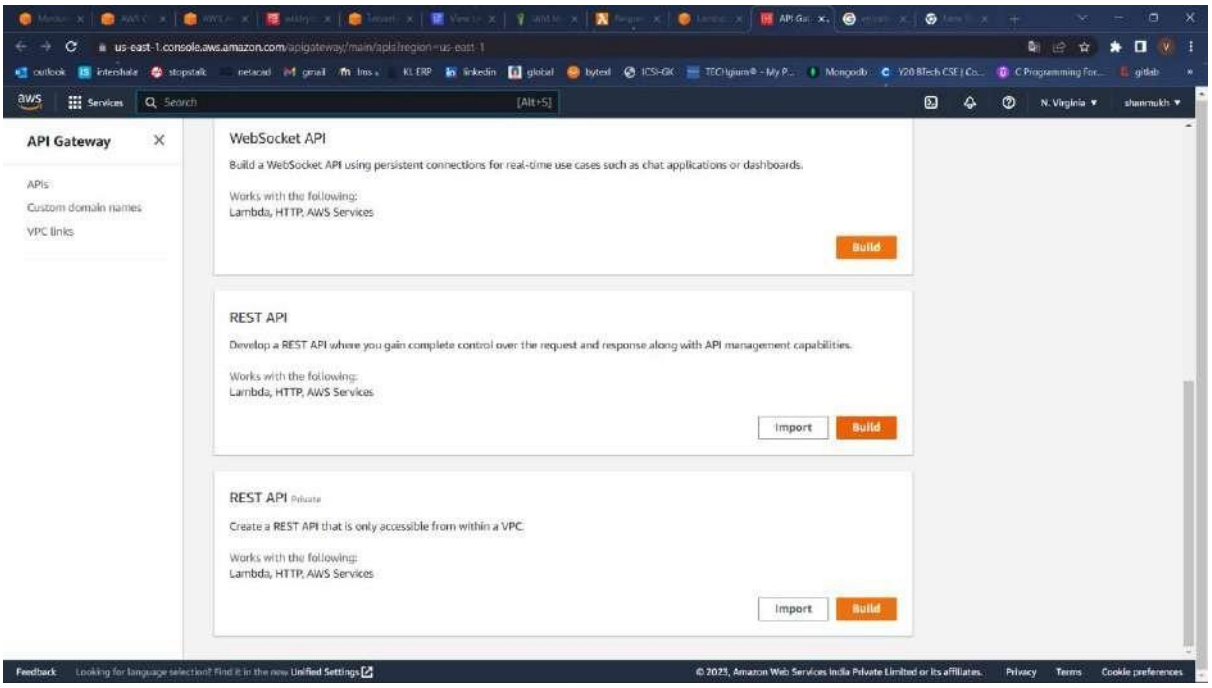
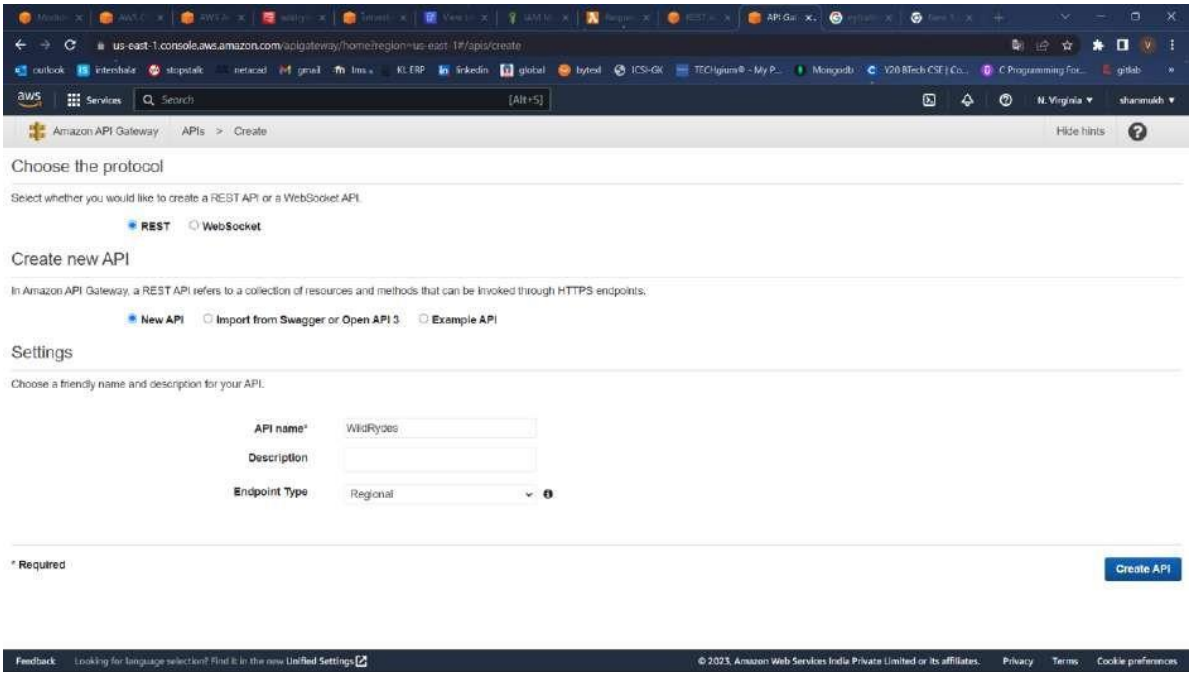
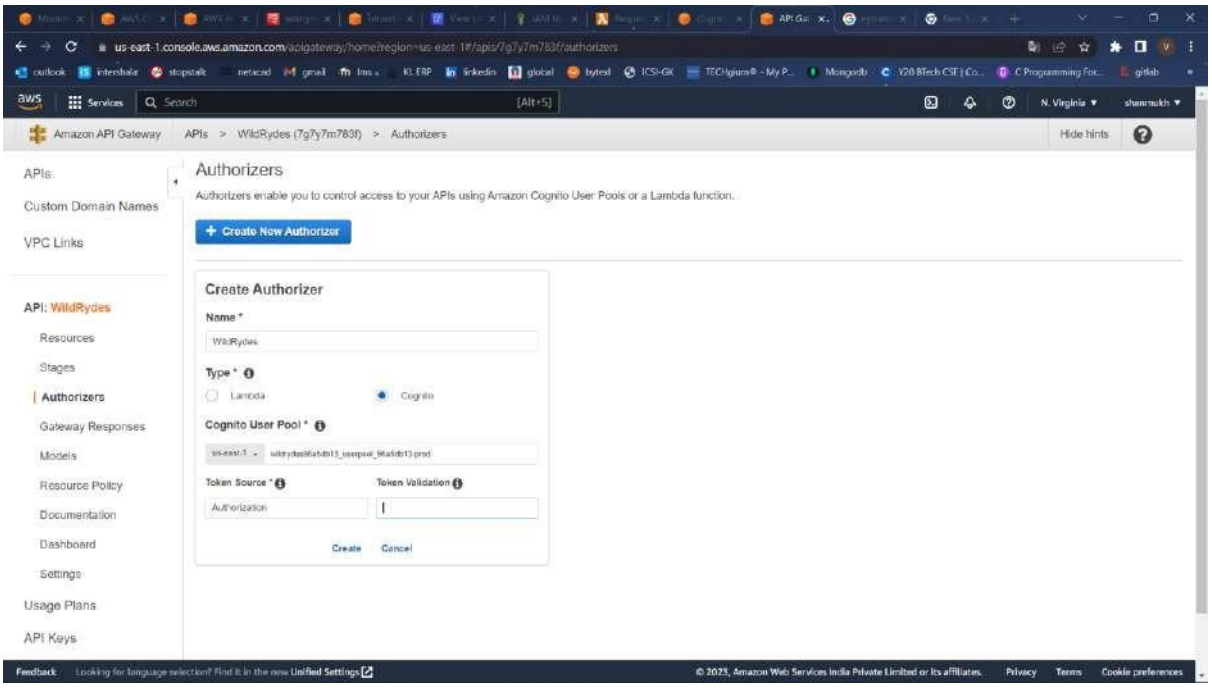
STEP 4: RESTFUL APIS

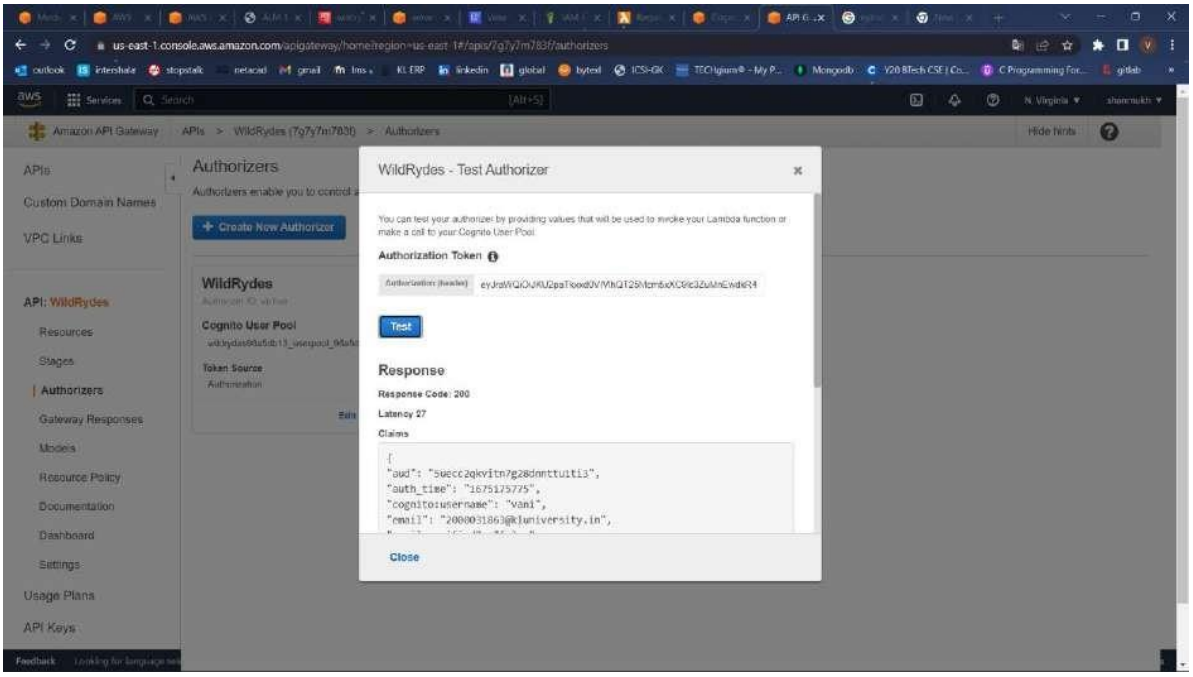
→Create a New REST API



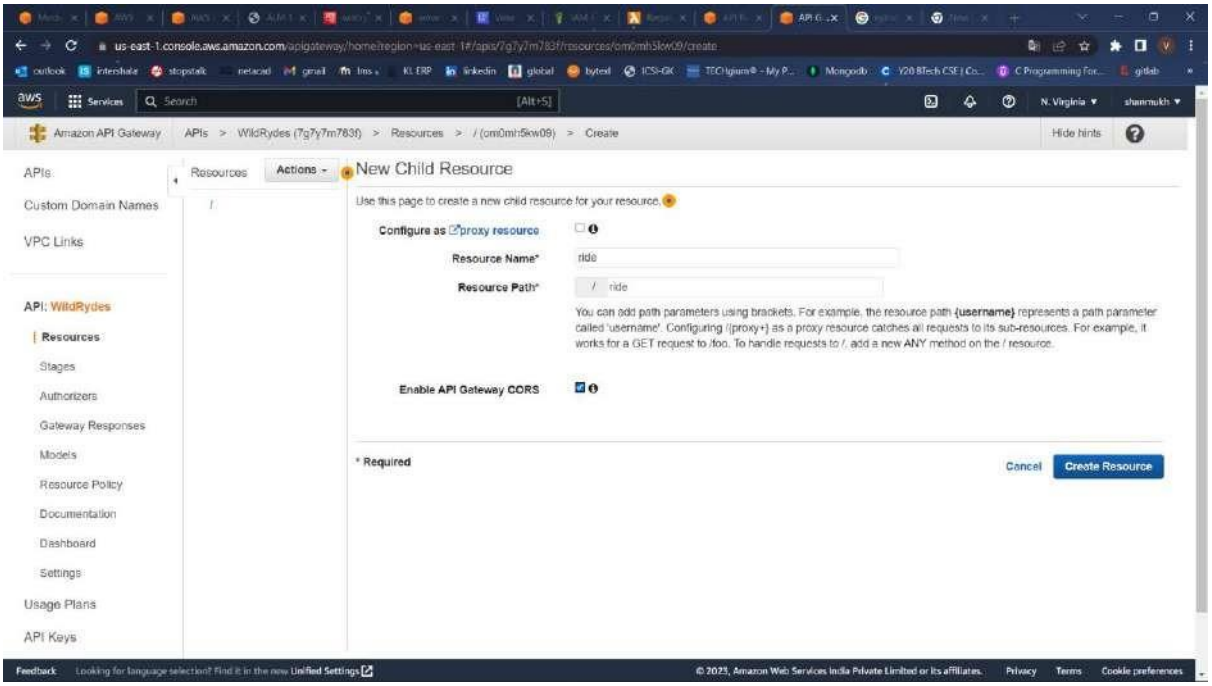


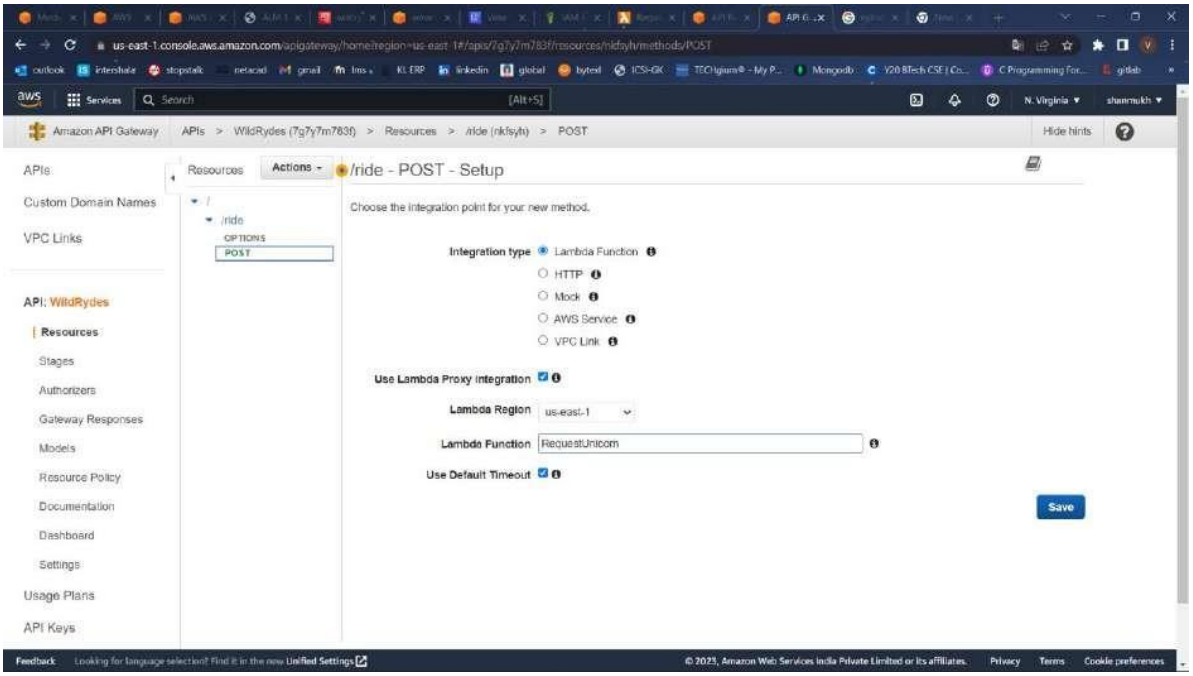
→Create a Cognito User Pools Authorizer

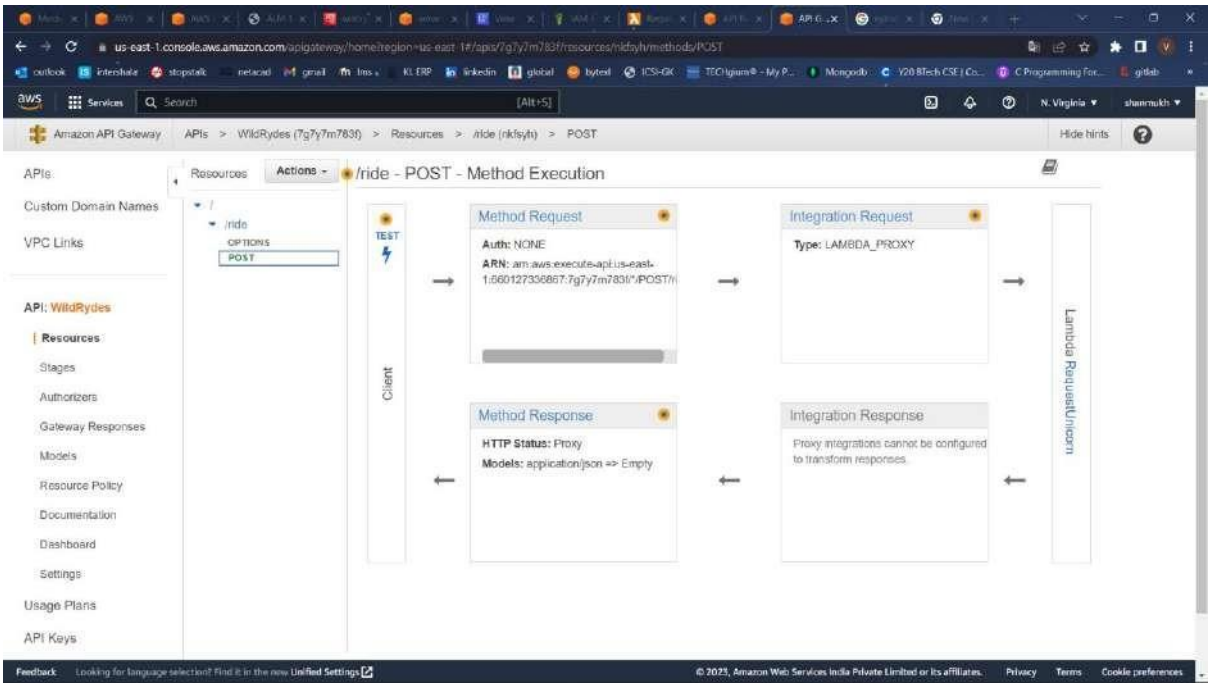




→Create a new resource and method






us-east-1.console.aws.amazon.com/apigateway/home?region=us-east-1#/apis/7g7y7m783f/resources/nkfsyh/methods/POST
Amazon API Gateway
APIs > WildRydes (7g7y7m783f) > Resources > /ride (nkfsyh) > POST
Hide hints
APIs
Custom Domain Names
VPC Links
API: WildRydes
Resources
Stages
Authorizers
Gateway Responses
Models
Resource Policy
Documentation
Dashboard
Settings
Usage Plans
API Keys
Resources
Actions
/ride - POST - Method Execution
/
/ride
OPTIONS
POST
TEST
Client
Method Request
Auth: NONE
ARN: arn:aws:execute-api:us-east-1:660127336867:7g7y7m783f/*/POST/ride
Integration Request
Type: LAMBDA_PROXY
Lambda RequestUnicorn
Method Response
HTTP Status: Proxy
Models: application/json => Empty
Integration Response
Proxy integrations cannot be configured to transform responses.
Feedback
Looking for language selection? Find it in the new Unified Settings
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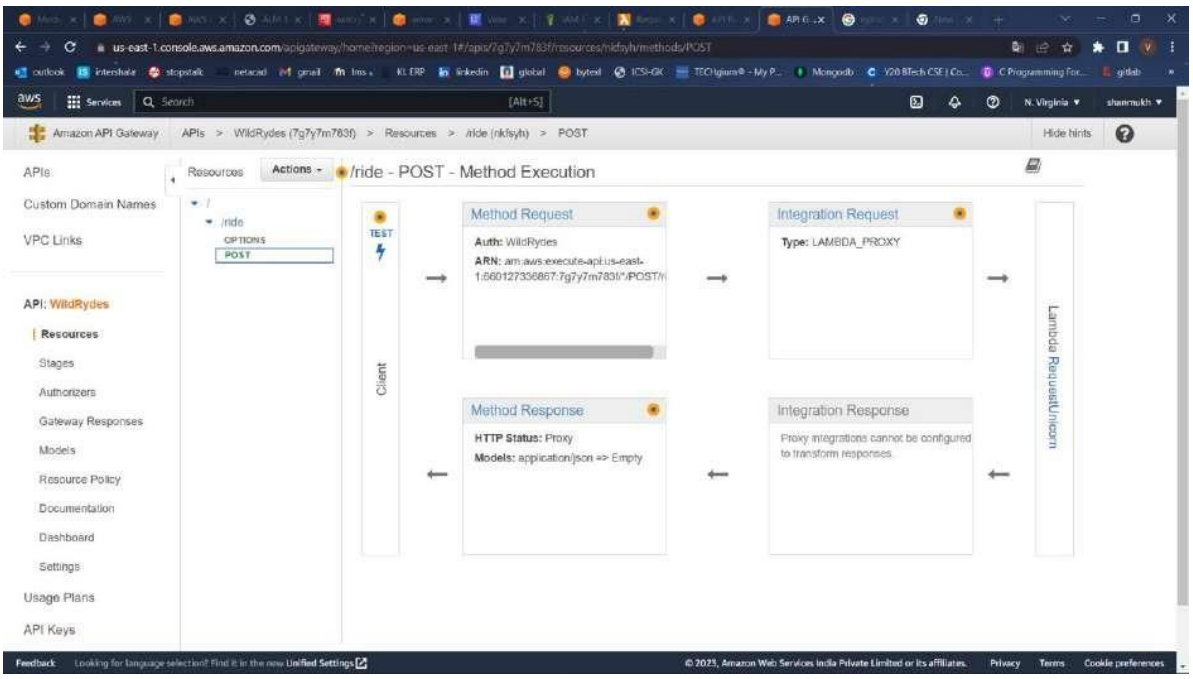
us-east-1.console.aws.amazon.com/apigateway/home?region=us-east-1#/apis/7g7y7m783f/resources/nkfsyh/methods/POST
Amazon API Gateway
APIs > WildRydes (7g7y7m783f) > Resources > /ride (nkfsyh) > POST
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Stages
Authorizers
Gateway Responses
Models
Resource Policy
Documentation
Dashboard
Settings
Usage Plans
API Keys
Resources
Actions
/ride - POST - Method Execution
/
/ride
OPTIONS
POST
TEST
Client
Method Request
Auth: WildRydes
ARN: arn:aws:execute-api:us-east-1:660127336867:7g7y7m783f/*/POST/ride
Integration Request
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Lambda RequestUnicorn
Method Response
HTTP Status: Proxy
Models: application/json => Empty
Integration Response
Proxy integrations cannot be configured to transform responses.
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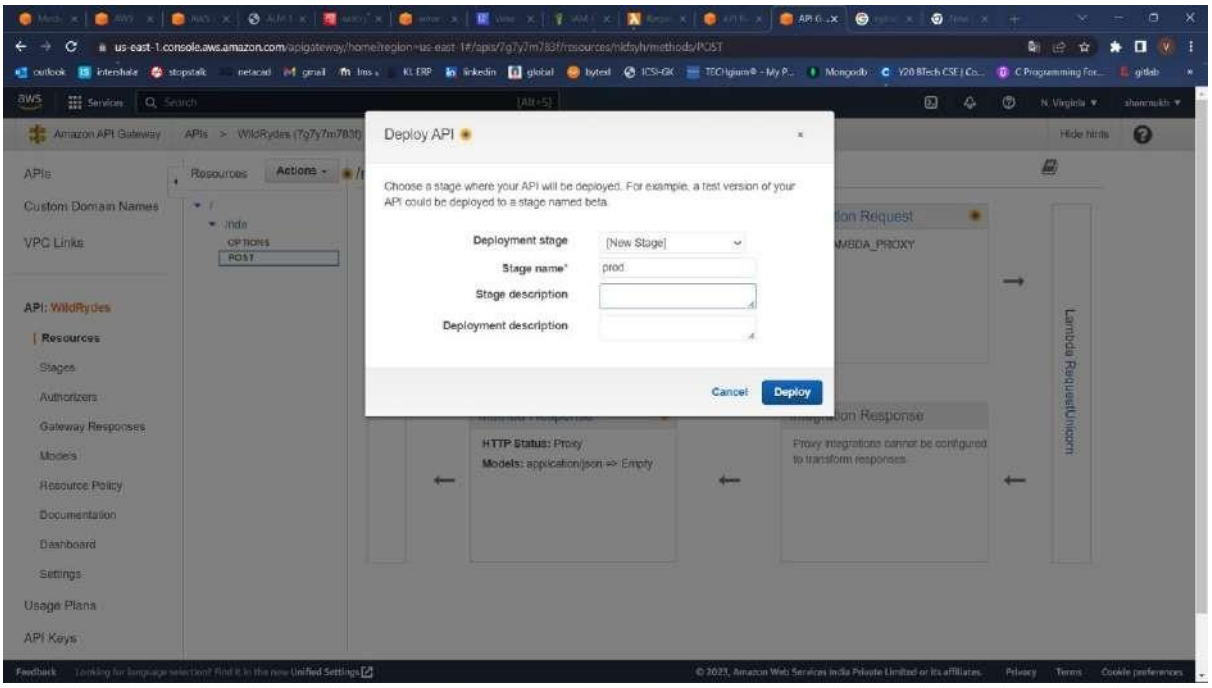
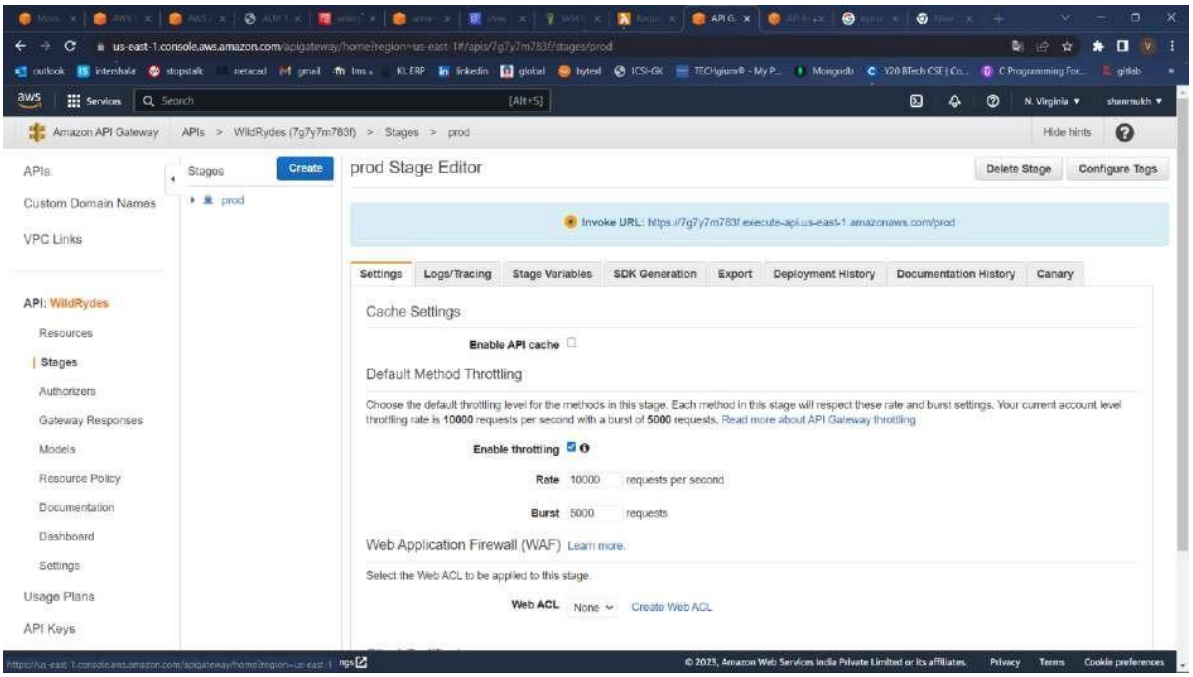
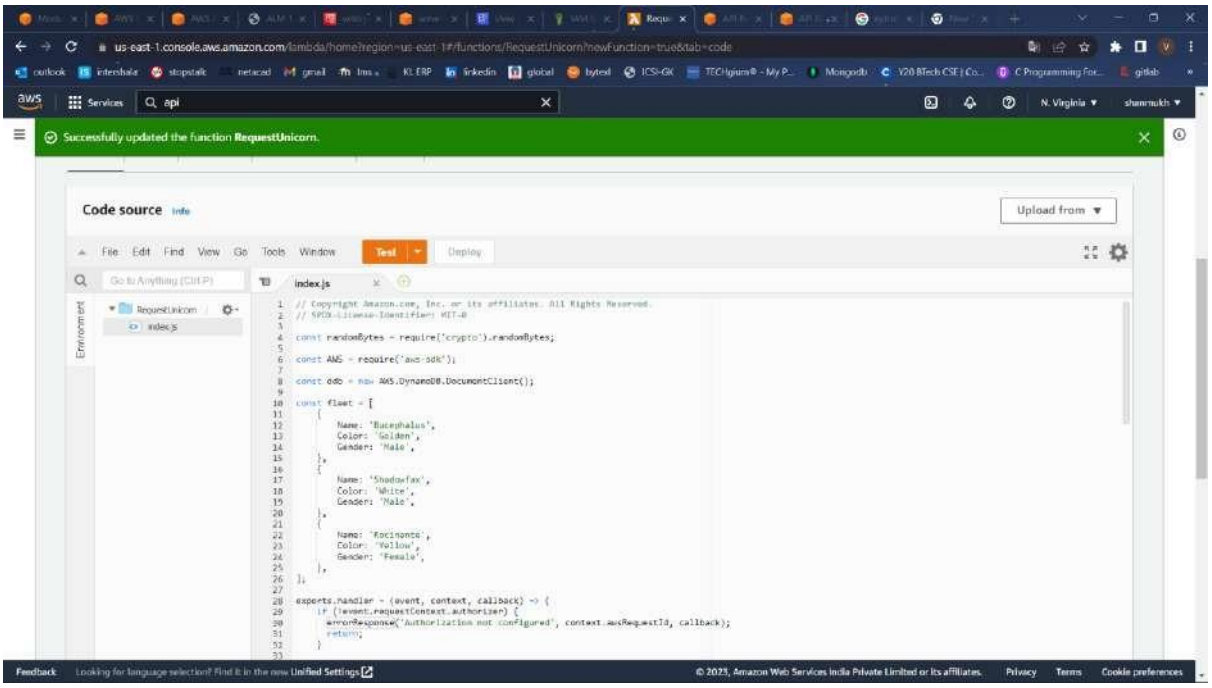
→Deploy Your API





→Update the Website Config

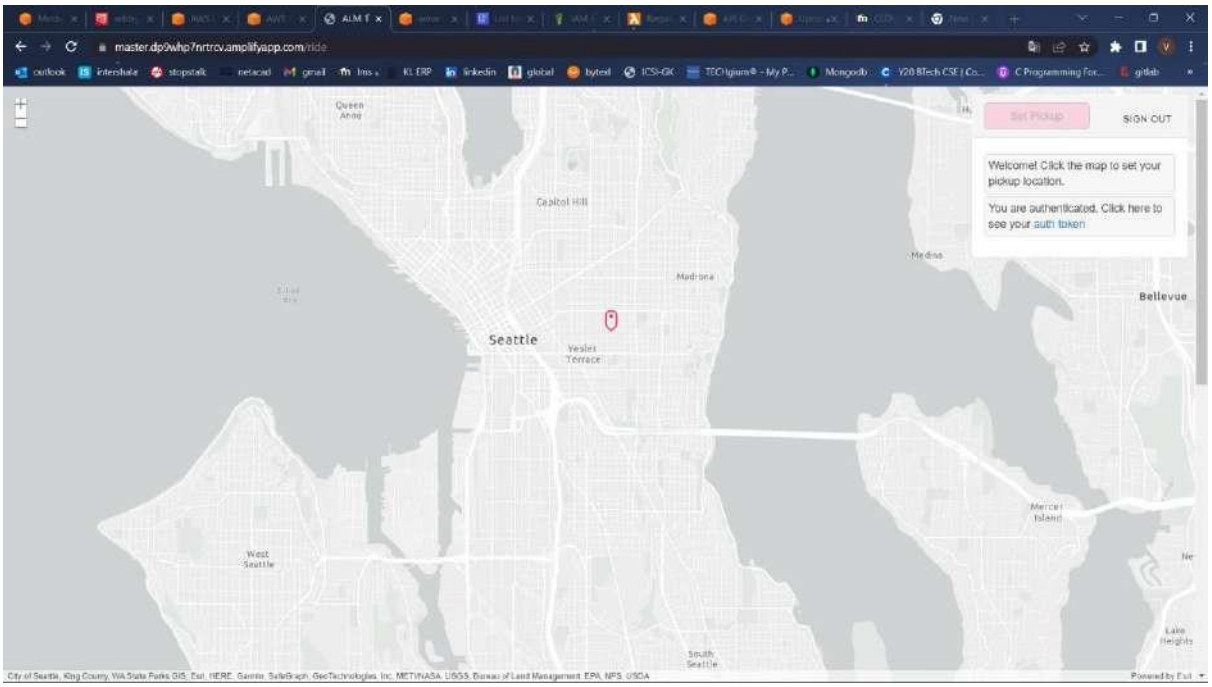


Visit /ride under your website domain.

If you are redirected to the sign in page, sign in with the user you created in the previous module.

After the map has loaded, click anywhere on the map to set a pickup location. Choose Request Unicorn.

You should see a notification in the right sidebar that a unicorn is on its way and then see a unicorn icon fly to your pickup location.



Testing completed.

STEP 5 : Cleanup all the resources created.