

CSC-SKILL-5

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SEC:13

Create an AWS Lambda Function to create a test case for our Lambda Mock

Create function [Info](#)

AWS Serverless Application Repository applications have moved to [Create application](#).

Author from scratch [Info](#) ☒ Start with a simple Hello World example.

Use a blueprint ☐ Build a Lambda application from sample code and configuration presets for common use cases.

Container image ☐ Select a container image to deploy for your function.

Basic information

Function name
Enter a name that describes the purpose of your function.

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime [Info](#)
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

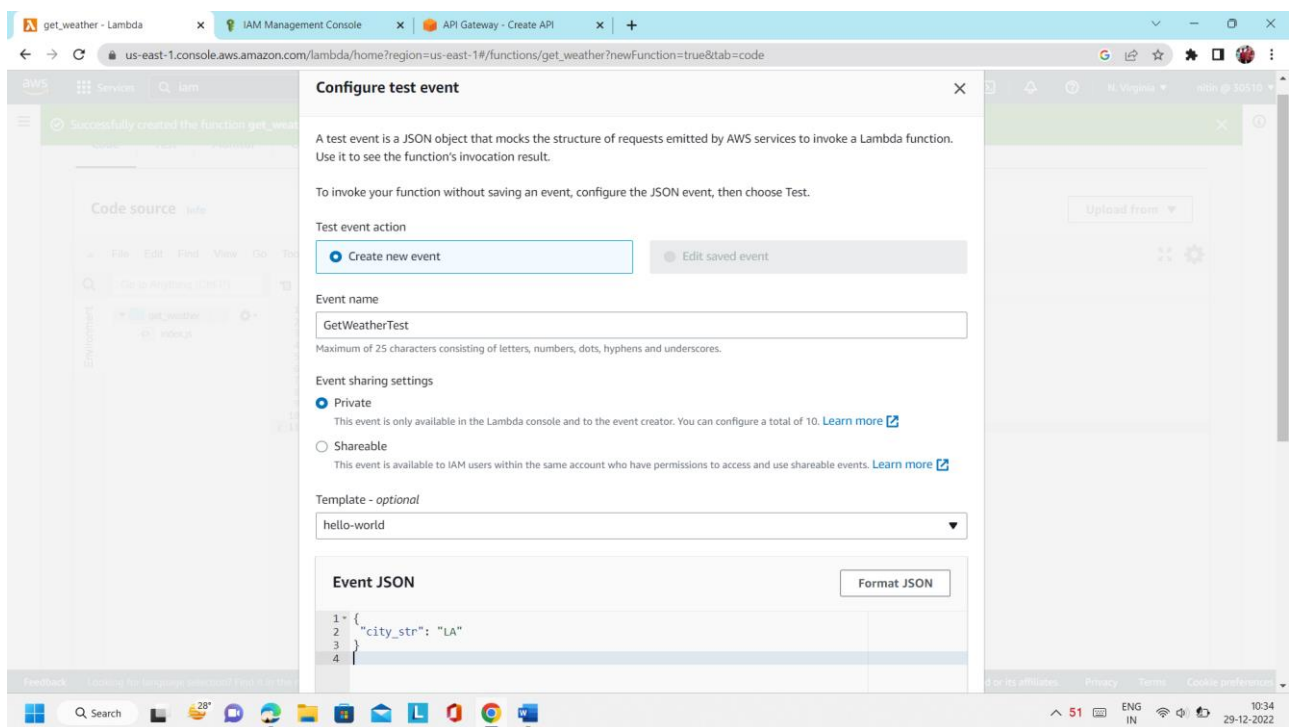
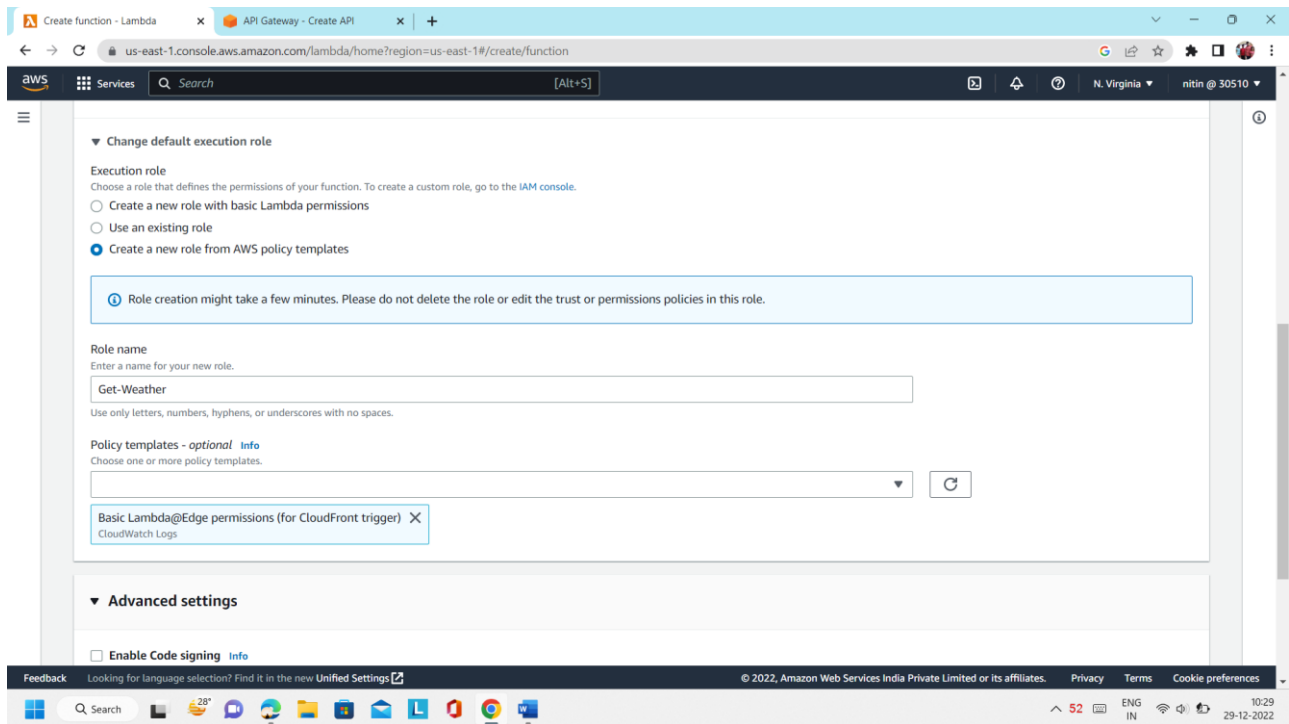
Architecture [Info](#)
Choose the instruction set architecture you want for your function code.
☒ x86_64
☐ arm64

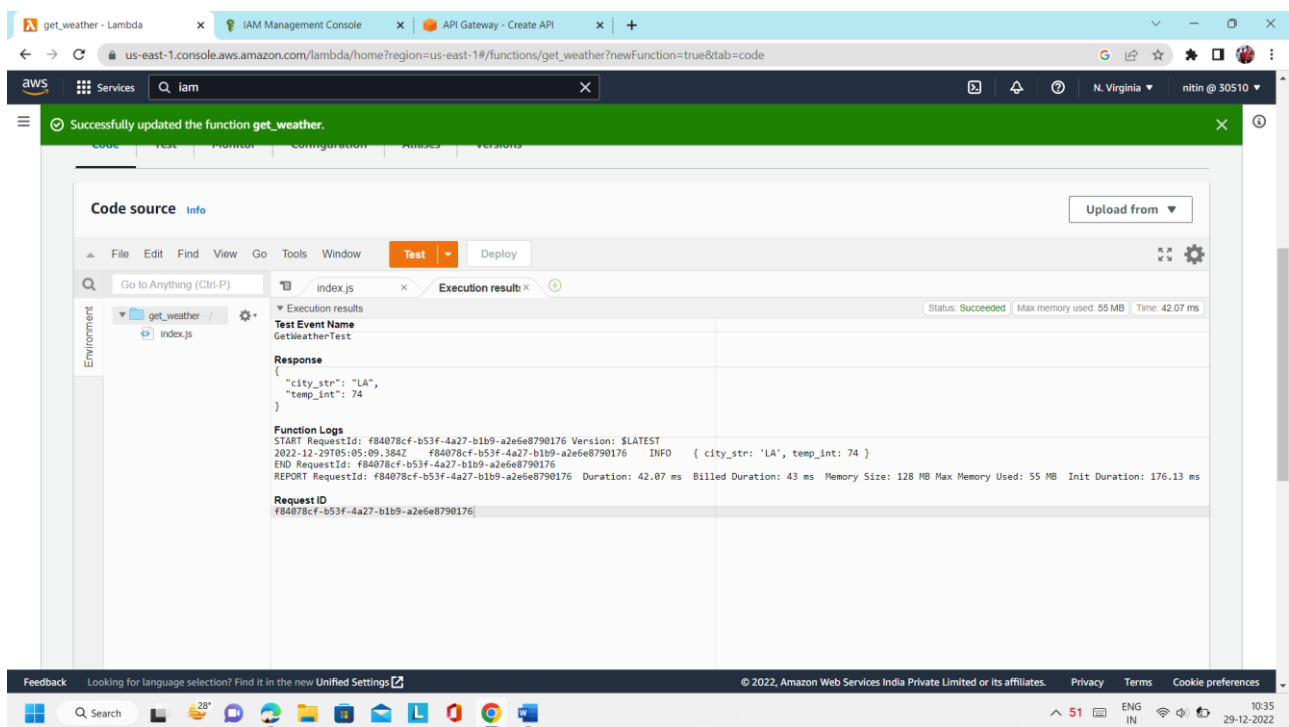
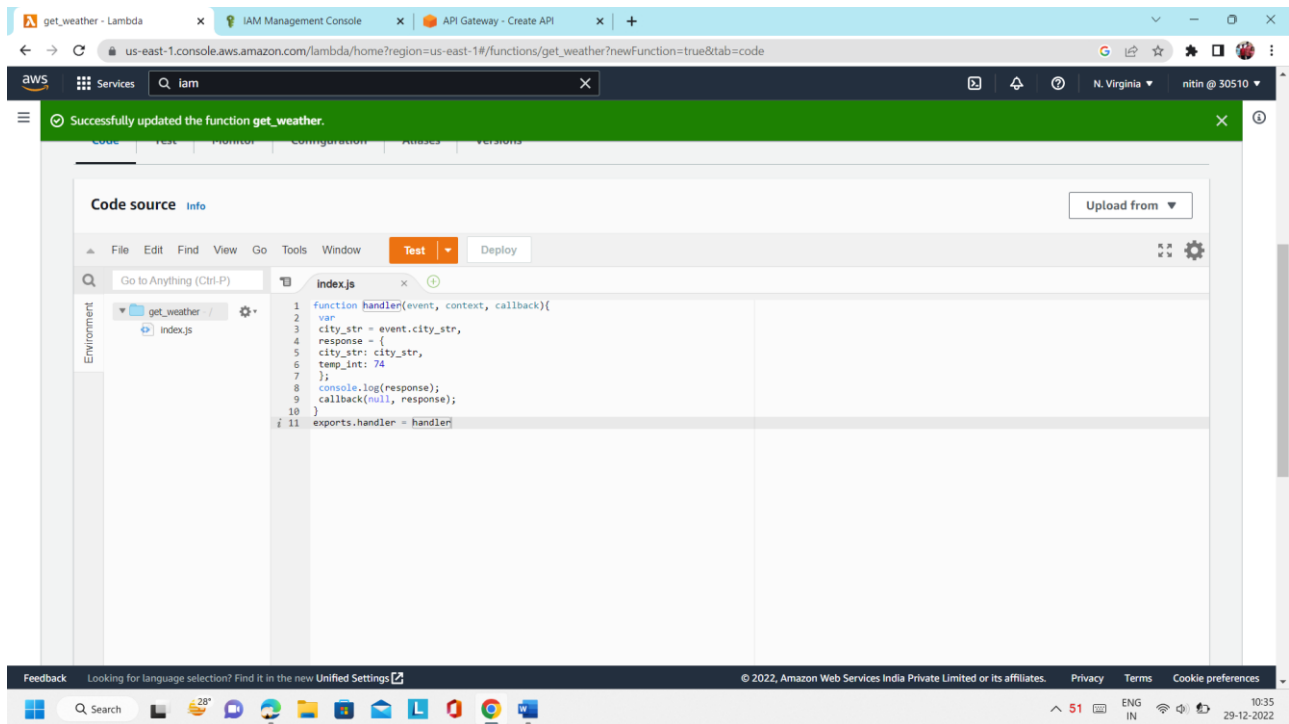
Permissions [Info](#)
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.

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get_weather - Lambda x API Gateway x IAM Management Console x +

us-east-1.console.aws.amazon.com/apigateway/home?region=us-east-1#/apis/n5zxe4xp0/resources/9qjwr5c6wf/methods/POST

Services Search [Alt+S]

Amazon API Gateway APIs > CatWeather (n5zxe4xp0) > Resources > / (9qjwr5c6wf) > POST

APIs Custom Domain Names VPC Links

API: CatWeather

Resources

Stages

Authorizers

Gateway Responses

Models

Resource Policy

Documentation

Dashboard

Settings

Usage Plans

API Keys

Resources POST

Method Execution

Client

Method Request

Auth: NONE

ARN: arn:aws:execute-api:us-east-1:372836073348:n5zxe4xp0/"/POST/

Integration Request

Type: MOCK

Mock Endpoint

Method Response

HTTP Status: 200

Models: application/json => Empty

Integration Response

HTTP status pattern: -

Output passthrough: Yes

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get_weather - Lambda x API Gateway x IAM Management Console x +

us-east-1.console.aws.amazon.com/apigateway/home?region=us-east-1#/apis/n5zxe4xp0/resources/9qjwr5c6wf/methods/POST

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Method Execution

Integration Request

Provide information about the target backend that this method will call and whether the incoming request data should be modified.

Integration type ☒ Lambda Function ⓘ

☐ HTTP ⓘ

☐ Mock ⓘ

☐ AWS Service ⓘ

☐ VPC Link ⓘ

Use Lambda Proxy integration ☐ ⓘ

Lambda Region

Lambda Function

Use Default Timeout ☒ ⓘ

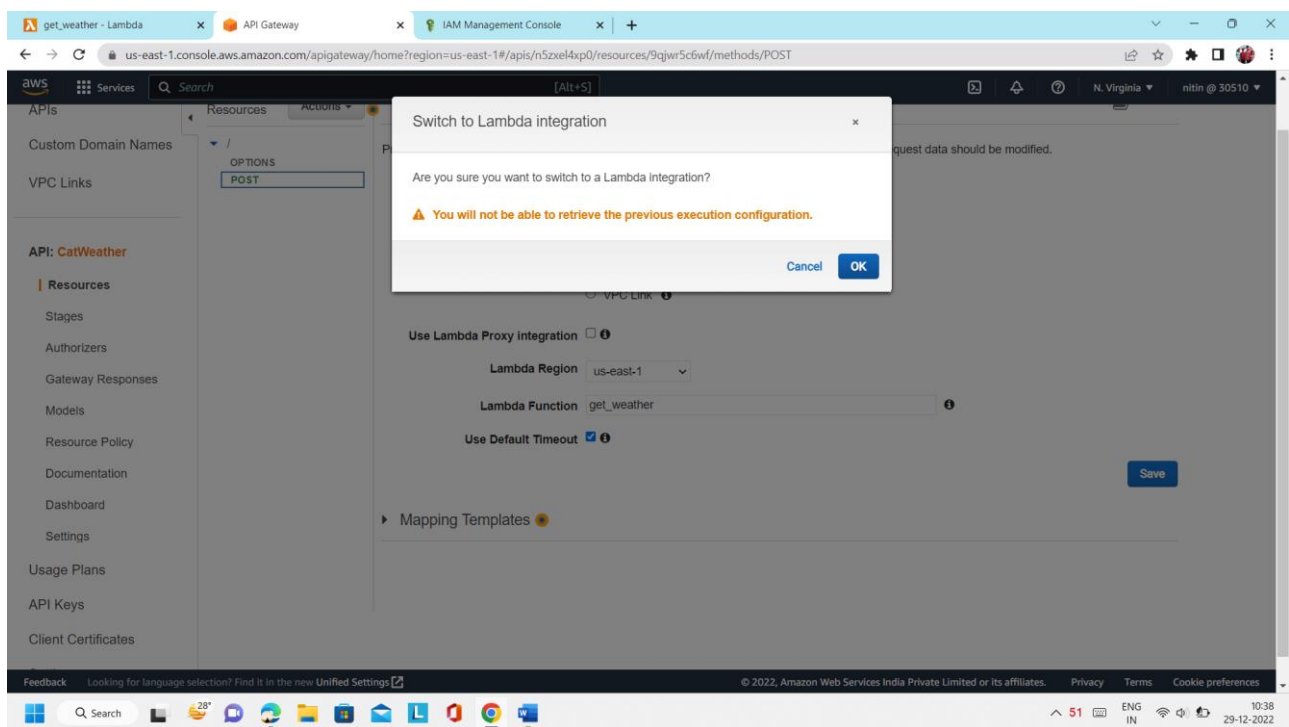
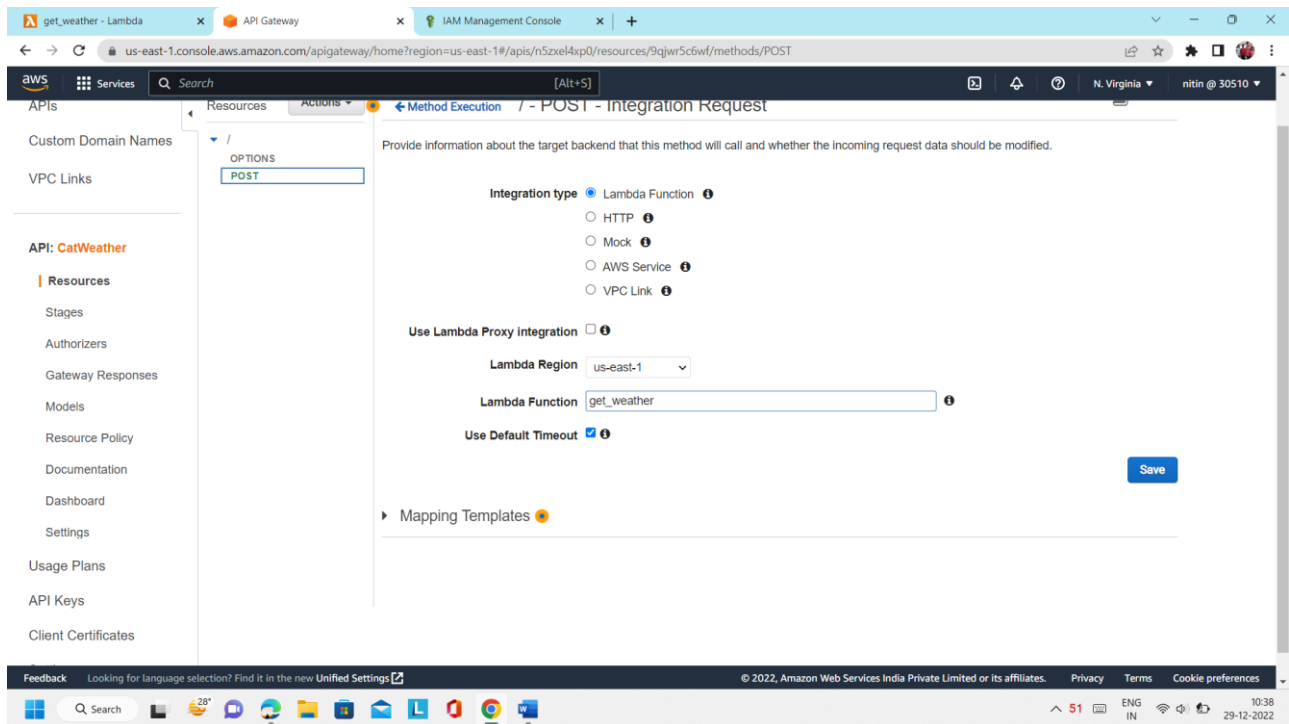
Save

Mapping Templates ⓘ

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get_weather - Lambda x API Gateway x IAM Management Console x +

us-east-1.console.aws.amazon.com/apigateway/home?region=us-east-1#/apis/n5zxe4xp0/resources/9qjwr5c6wf/methods/POST?screen=integration-request

add them via Method Request.

Stage Variables

No stage variables exist for this method.

Request Body

```
1 {
2   "city_str": "SEATTLE"
3 }
4
```

Logs

Execution log for request 5b968fe9-0644-4d31-8f44-fafbbdc11690

```
Thu Dec 29 05:09:29 UTC 2022 : Starting execution for request: 5b968fe9-0644-4d31-8f44-fafbbdc11690
Thu Dec 29 05:09:29 UTC 2022 : HTTP Method: POST, Resource Path: /
Thu Dec 29 05:09:29 UTC 2022 : Method request path: {}
Thu Dec 29 05:09:29 UTC 2022 : Method request query string: {}
Thu Dec 29 05:09:29 UTC 2022 : Method request headers: {}
Thu Dec 29 05:09:29 UTC 2022 : Method request body before transformations: {
  "city_str": "SEATTLE"
}

Thu Dec 29 05:09:29 UTC 2022 : Endpoint request URI: https://lambda.us-east-1.amazonaws.com/2015-03-31/functions/arn:aws:lambda:us-east-1:372836073348:function:get_weather/invocations
Thu Dec 29 05:09:29 UTC 2022 : Endpoint request headers: [X-Amz-Date=20221229T050929Z, x-amzn-apigateway-api-id=n5zxe4xp0, Accept=application/json, User-Agent=AmazonAPIGateway_n5zxe4xp0, Host=lambda.us-east-1.amazonaws.com, X-Amz-Content-Sha256=89bdf72e37fc08cad31828c41ef18a8ad0bab246053a94e54d48c2216339f6, X-Amzn-Trace-Id=Root=1-63ad2109-d1008ddcc3d8fd1525927f6d, x-amzn-lambda-integration-tag=5b968fe9-0644-4d31-8f44-fafbbdc11690, Authorization=*****fc68d4-1-372836073348]
*****fc68d4-1-372836073348
*****fc68d4-1-372836073348
```

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us-east-1.console.aws.amazon.com/apigateway/home?region=us-east-1#/apis/n5zxe4xp0/resources/9qjwr5c6wf/enable-cors

Amazon API Gateway APIs > CatWeather (n5zxe4xp0) > Resources > / (9qjwr5c6wf) > Enable CORS

APIs Resources Actions Enable CORS

Custom Domain Names

VPC Links

API: CatWeather

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Gateway Responses for CatWeather API

DEFAULT 4XX DEFAULT 5XX

Methods OPTIONS POST

Access-Control-Allow-Methods OPTIONS, POST

Access-Control-Allow-Headers Content-Type,X-Amz-Date,Authorization

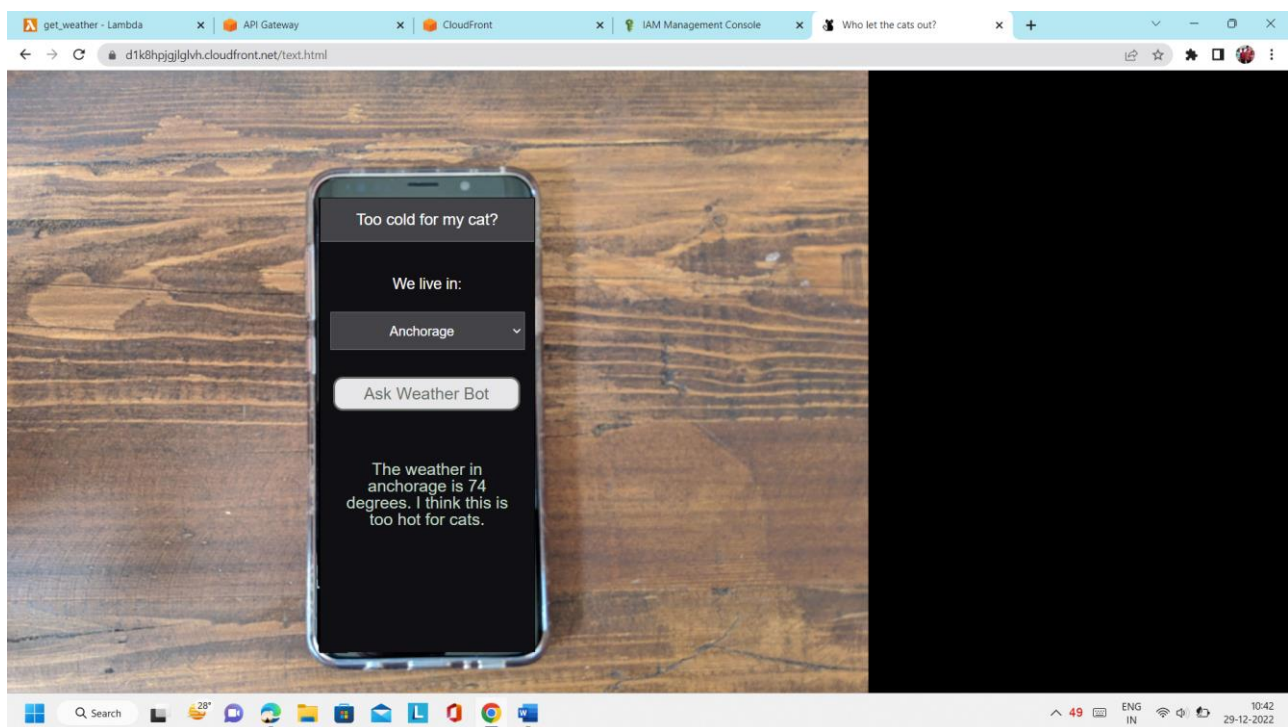
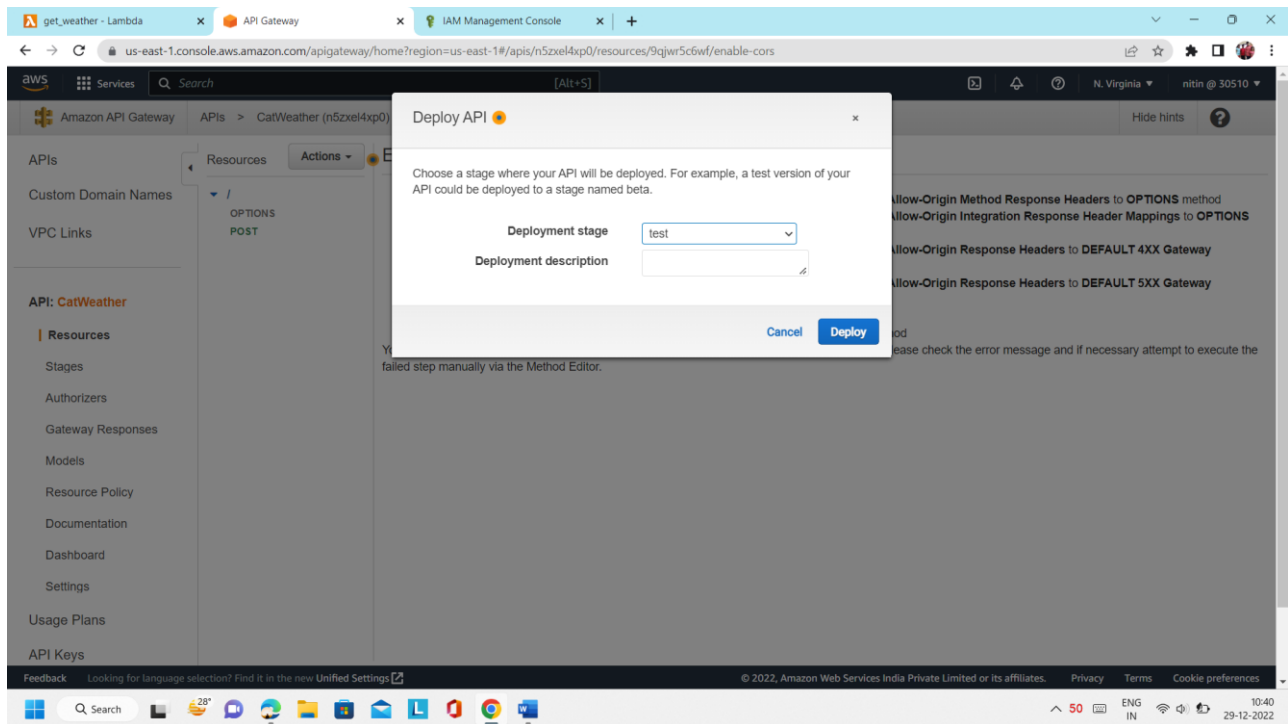
Access-Control-Allow-Origin *

Advanced

Enable CORS and replace existing CORS headers

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<https://d1k8hpgjlgvlh.cloudfront.net/text.html>

