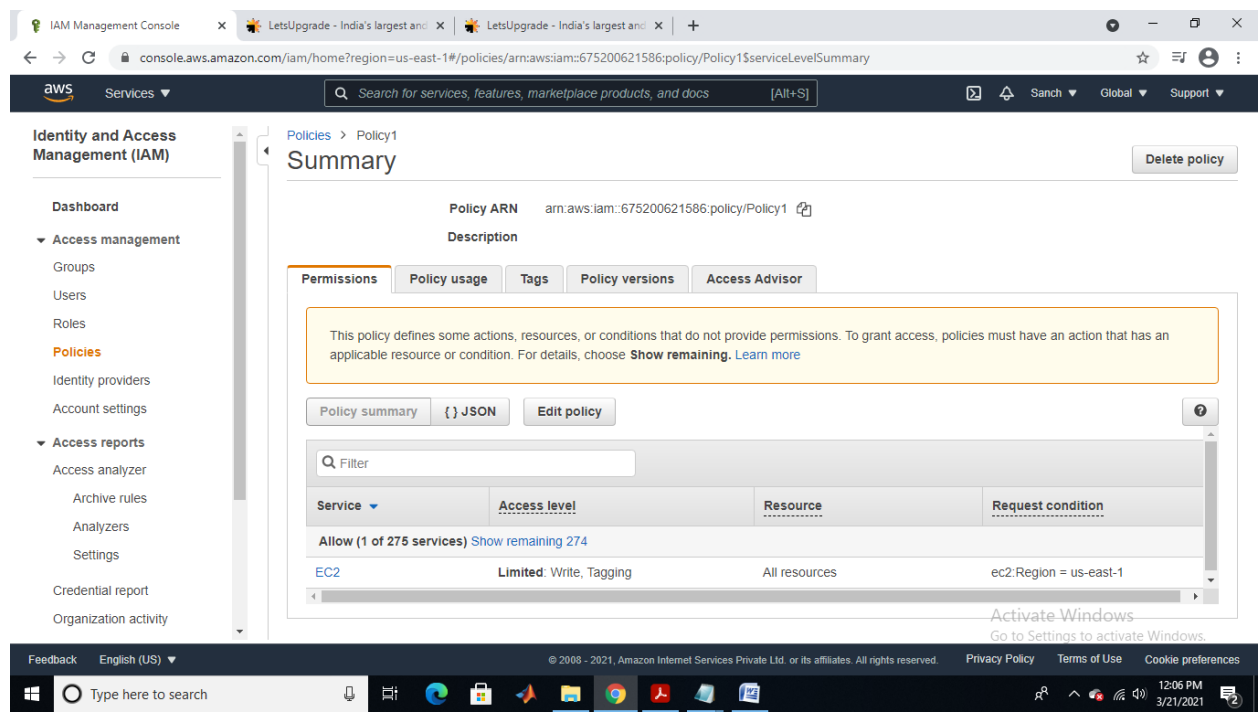


PROJECT 3

PROVISION EC2 INSTANCE WITH LAMBDA.

1. CREATE VPC NAMED AS MY-VPC WITH IPV4 ADDRESS 10.0.0.0/16 IN NORTH VIRGINIA REGION.



The screenshot shows the AWS IAM Management Console interface. The left sidebar contains navigation links for Identity and Access Management (IAM), including Dashboard, Access management, Access reports, and Credential report. The main content area displays the 'Policy1' summary page. The Policy ARN is 'arn:aws:iam::675200621586:policy/Policy1'. The description states: 'This policy defines some actions, resources, or conditions that do not provide permissions. To grant access, policies must have an action that has an applicable resource or condition. For details, choose [Show remaining](#). [Learn more](#)'. The permissions table shows the following details:

Service	Access level	Resource	Request condition
EC2	Limited: Write, Tagging	All resources	ec2:Region = us-east-1

The bottom of the screenshot shows the Windows taskbar with the search bar, taskbar icons, and system tray showing the time as 12:06 PM on 3/21/2021.

2 | LETS UPGRADE AWS ...

IAM Management Console

console.aws.amazon.com/iam/home?region=us-east-1#/roles\$new?step=review&commonUseCase=Lambda%2BLambda&selectedUseCase=Lambda&policies=arn:aws:iam:... | LetsUpgrade - India's largest and | LetsUpgrade - India's largest and | +

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Provide the required information below and review this role before you create it.

Role name* Roles1
Use alphanumeric and '+, -, @, _' characters. Maximum 64 characters.

Role description Allows Lambda functions to call AWS services on your behalf.
Maximum 1000 characters. Use alphanumeric and '+, -, @, _' characters.

Trusted entities AWS service: lambda.amazonaws.com

Policies Policy1

Permissions boundary Permissions boundary is not set

The new role will receive the following tag

Key	Value
role1	one

* Required Cancel Previous Create role

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myec2lambda - Lambda LetsUpgrade - India's largest and LetsUpgrade - India's largest and | +

console.aws.amazon.com/lambda/home?region=us-east-1#/functions/myec2lambda?newFunction=true&tab=code

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Function overview Info

myec2lambda Layers (0)

+ Add trigger + Add destination

Description -

Last modified 1 minute ago

Function ARN arn:aws:lambda:us-east-1:675200621586:function:myec2lambda

Code Test Monitor Configuration Aliases Versions

Code source Info Upload from

File Edit Find View Go Tools Window Test Deploy Changes deployed

Go to Anything (Ctrl-P)

myec2lambda - / lambda_function.py

```
23
24
25
26
MinCount=1,
MaxCount=1
```

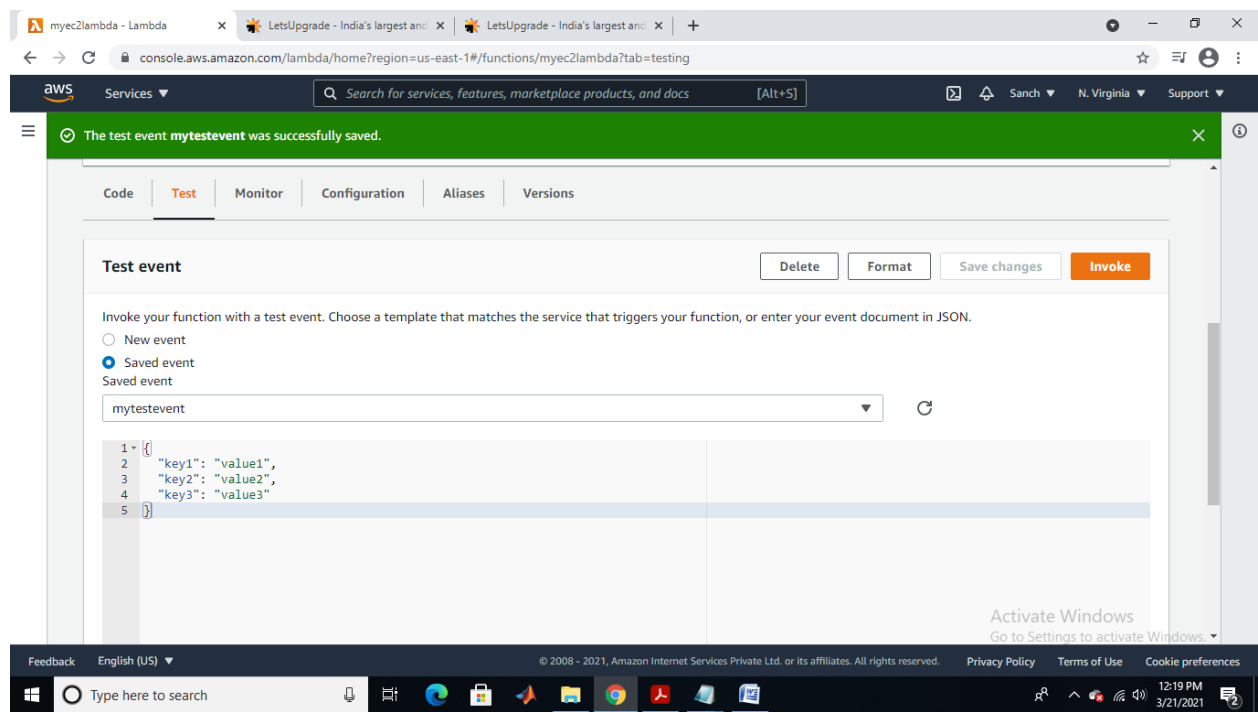
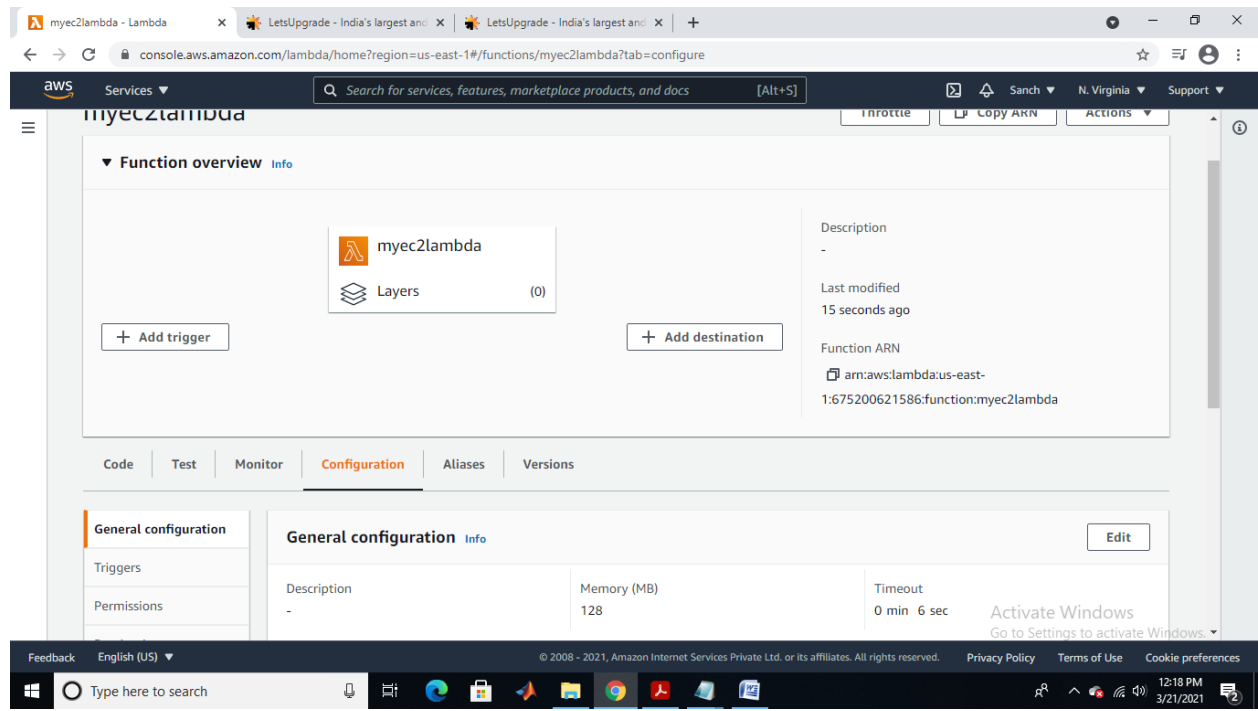
Activate Windows Go to Settings to activate Windows.

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Type here to search

2 | LET'S UPGRADE AWS ...

3 | LETS UPGRADE AWS ...



3 | LET'S UPGRADE AWS ...

4 | LETS UPGRADE AWS ...

The screenshot shows the AWS Lambda console interface. The main content area displays the execution result for a function named 'myec2lambda'. The status is 'Execution result: succeeded (logs)'. Below this, there is a 'Details' section with a JSON object showing the function's output: `{ "statusCode": 200, "body": "\"success\"" }`. A 'Summary' section provides key metrics: Code SHA-256, Request ID (7442d99e-f445-41a1-8e00-05dbca1ebb8d), Init duration (243.01 ms), Duration (3046.08 ms), Billed duration (3047 ms), Resources configured (128 MB), and Max memory used (83 MB). The bottom of the console shows the 'Test event' section with buttons for 'Delete', 'Format', 'Save changes', and 'Invoke'.

This screenshot shows the AWS Lambda console with the 'Log output' section expanded. It displays the raw log data for the function execution, starting with 'START RequestId: 7442d99e-f445-41a1-8e00-05dbca1ebb8d Version: \$LATEST'. The log contains a large JSON object representing the function's environment and configuration, including details about the instance, network interfaces, and system settings. The bottom of the console shows the 'Test event' section with buttons for 'Delete', 'Format', 'Save changes', and 'Invoke'.

4 | LET'S UPGRADE AWS ...

5 | LETS UPGRADE AWS ...

The screenshot displays the AWS Management Console interface. At the top, a navigation bar includes the AWS logo, a search bar, and regional settings for 'N. Virginia'. A left-hand navigation menu lists various services, with 'Instances' highlighted. The main content area shows a 'Welcome to the new instances experience!' banner. Below this, the 'Instances (1/2)' page is visible, featuring a table of running EC2 instances. The table has columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. Two instances are listed, both in a 'Running' state. Below the table, a detailed view of the first instance (i-0d21a781105db16d4) is shown, including its Public IPv4 address (34.229.55.158), Private IPv4 addresses (172.31.61.124), and DNS information. The bottom of the screen shows a Windows taskbar with the search bar and several application icons.

myec: x Insta: x S3 M: x Assig: x https: x pyth: x Com: x ama: x Edit: x Dash: x Goo: x how: x +

console.aws.amazon.com/ec2/v2/home?region=us-east-1#Instances:instanceState=running

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New EC2 Experience Tell us what you think

EC2 Dashboard New

Events

Tags

Limits

Instances

Instances New

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances New

Dedicated Hosts

Scheduled Instances

Capacity Reservations

Instances

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Project3-Provision....txt pythoncode-lambd....txt

Type here to search

2:01 PM 3/21/2021

Activate Windows Go to Settings to activate Windows. Show all

Instances (1/2) Info

Filter instances

Instance state: running Clear filters

Launch instances

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
-	i-0d21a781105db16d4	Running	t2.micro	2/2 checks passed	No alarms	us-east-1e
-	i-0ab76d8a9a9dbfa27	Running	t2.micro	2/2 checks passed	No alarms	us-east-1d

Instance ID: i-0d21a781105db16d4

Public IPv4 address: 34.229.55.158 | open address

Private IPv4 addresses: 172.31.61.124

Instance state: Running

Public IPv4 DNS: ec2-34-229-55-158.compute-1.amazonaws.com | open address

Private IPv4 DNS: ip-172-31-61-124.ec2.internal

5 | LET'S UPGRADE AWS ...

***HENCE, PROJECT3 IS
IMPLEMENTED
SUCCESSFULLY.***
