

AWS PROJECT 3

Provision EC2 instance with Lambda

Create an IAM Policy

The screenshot shows the AWS IAM Management Console 'Create policy' page. The 'JSON' tab is selected, displaying the following policy document:

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": [
7         "ec2:Describe*",
8         "ec2:CreateKeyPair",
9         "ec2:CreateSecurityGroup",
10        "ec2:AuthorizeSecurityGroupIngress",
11        "ec2:AuthorizeSecurityGroupEgress",
12        "ec2:CreateTags",
13        "ec2:DescribeTags",
14        "ec2:RunInstances"
15      ],
16      "Resource": "*",
17      "Condition": {
```

Character count: 327 of 6,144. Buttons: Cancel, Review policy.

The screenshot shows the 'Review policy' step of the AWS IAM Management Console. The policy name is 'mypolicy'. The description field is empty. A summary box 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](#)'. Below is a table showing the policy's scope:

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

Buttons: Filter, Show remaining 263.

Identity and Access Management (IAM)

Create policy Policy actions

Filter policies my Showing 1 result

Policy name	Type	Used as	Description
mypolicy	Customer managed	None	

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Identity and Access Management (IAM)

Policies > mypolicy Summary Delete policy

Policy ARN: arn:aws:iam::255576724072:policy/mypolicy

Description

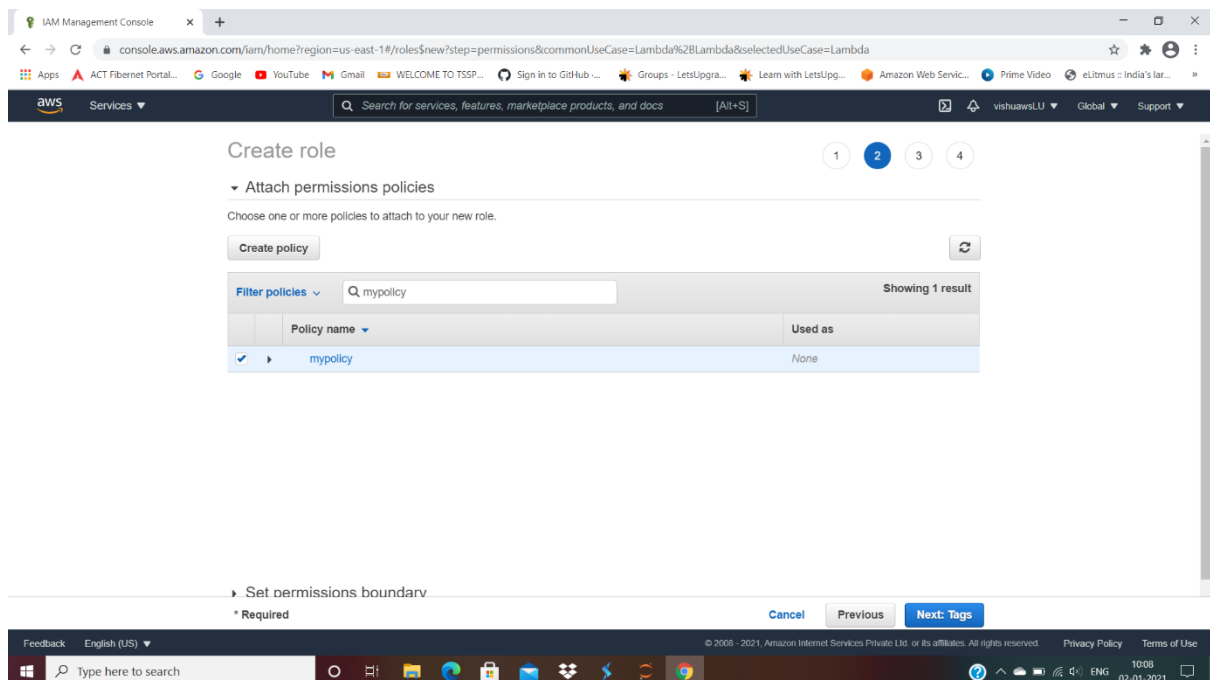
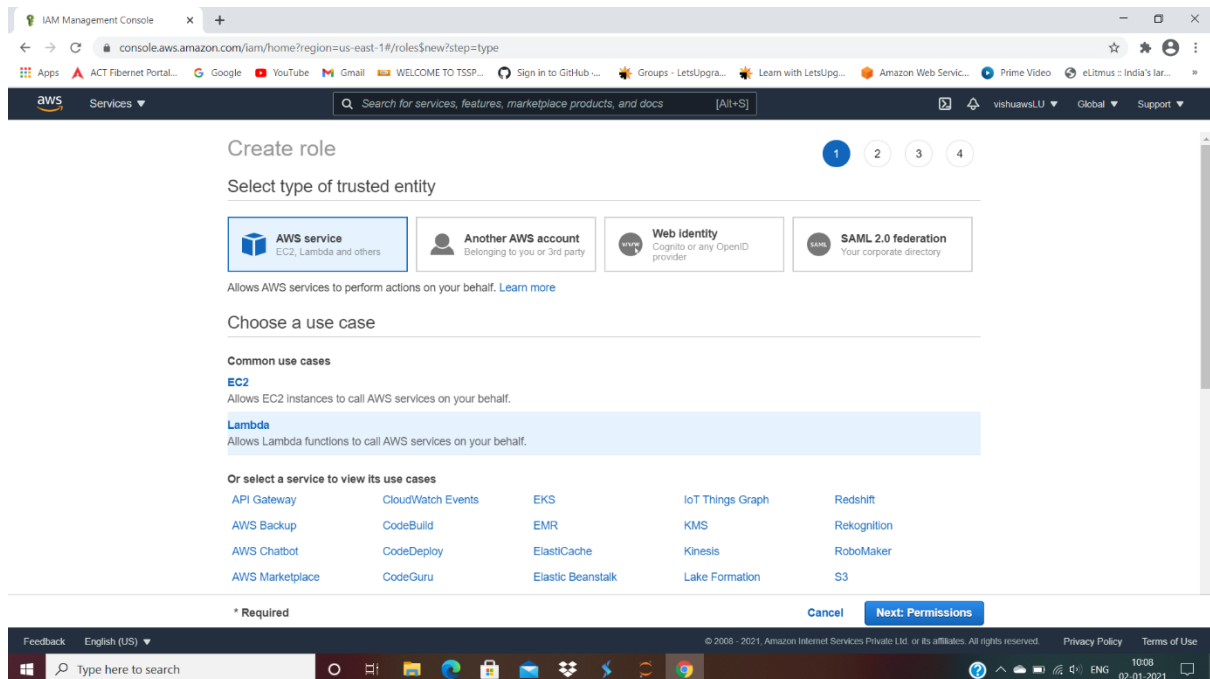
Permissions Policy usage Policy versions Access Advisor

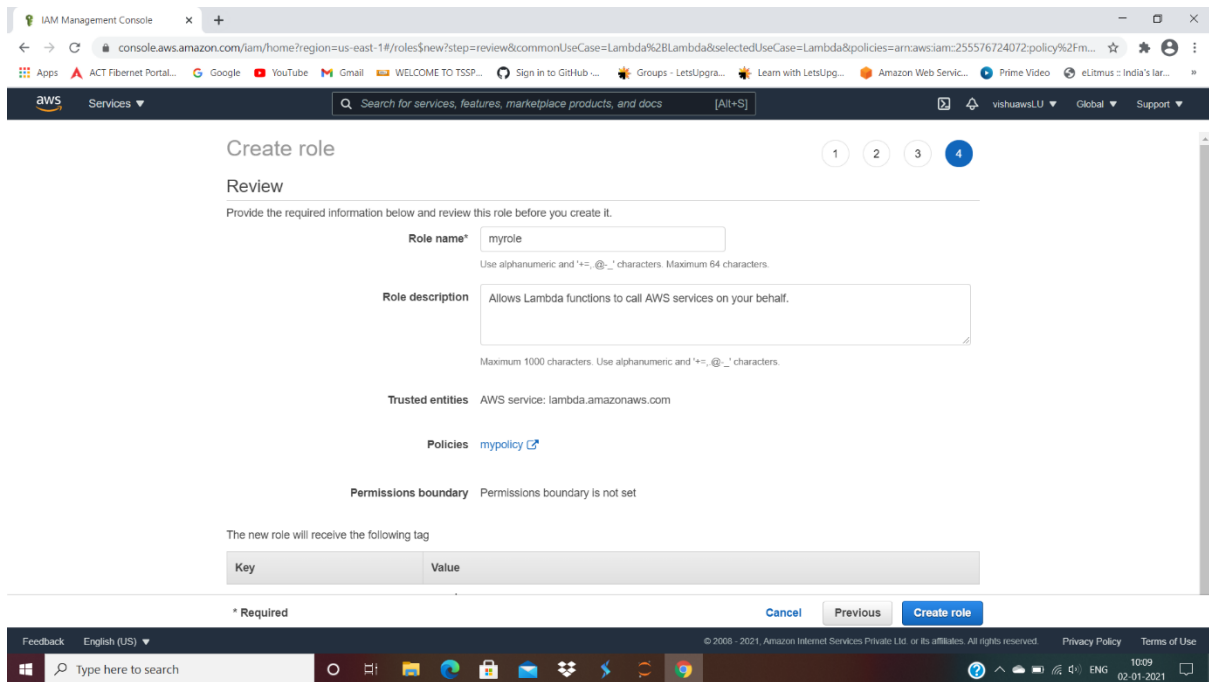
Policy summary {} JSON Edit policy

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": [
7         "ec2:Describe*",
8         "ec2:CreateKeyPair",
9         "ec2:CreateSecurityGroup",
10        "ec2:AuthorizeSecurityGroupIngress",
11        "ec2:AuthorizeSecurityGroupEgress",
12        "ec2:CreateTags",
13        "ec2:DescribeTags",
14        "ec2:RunInstances"
15      ],
16      "Resource": "*",
17      "Condition": {
```

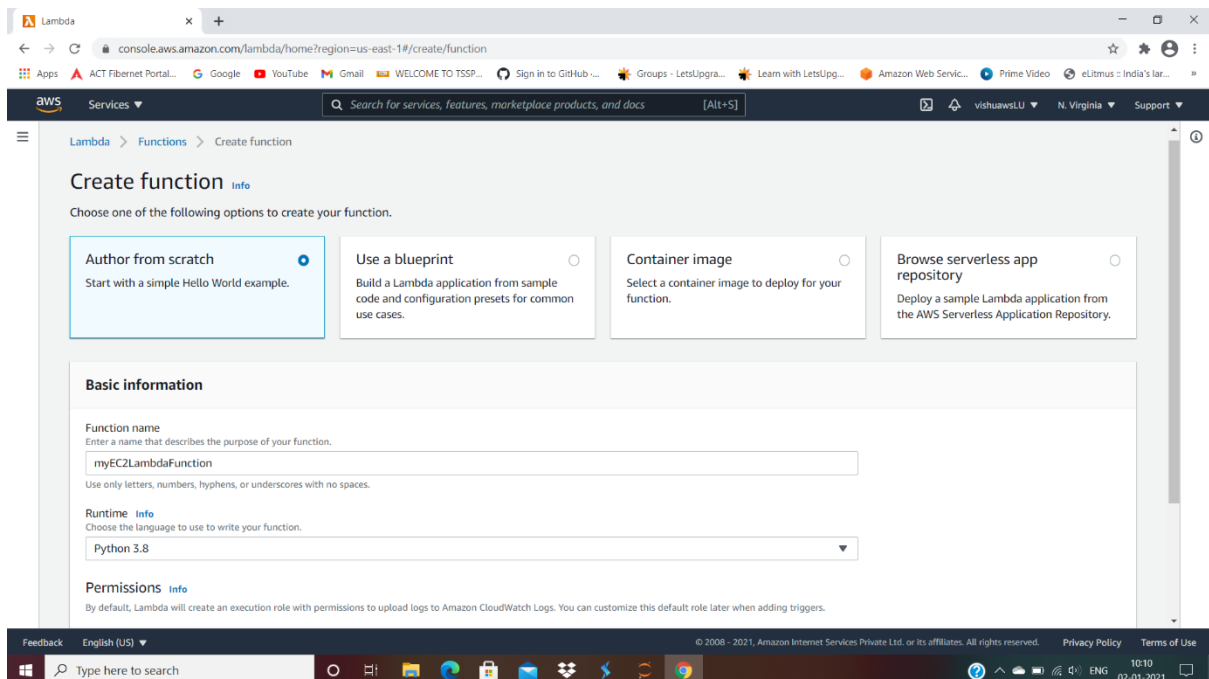
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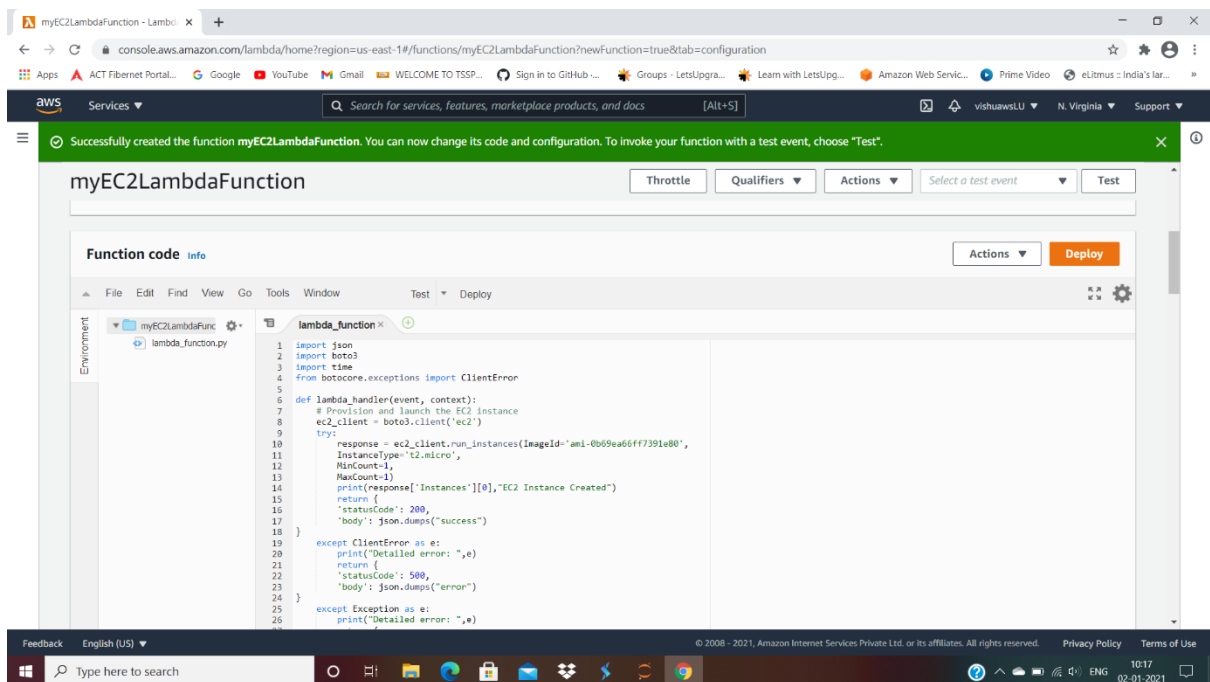
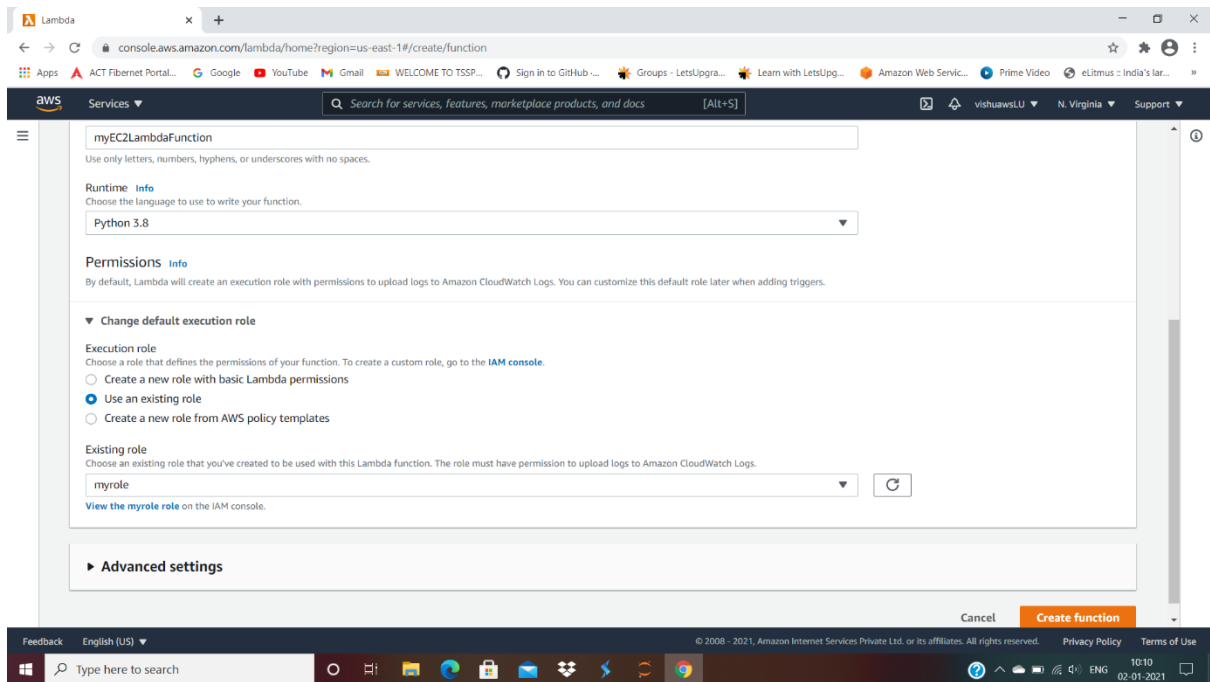
Create an IAM Role.

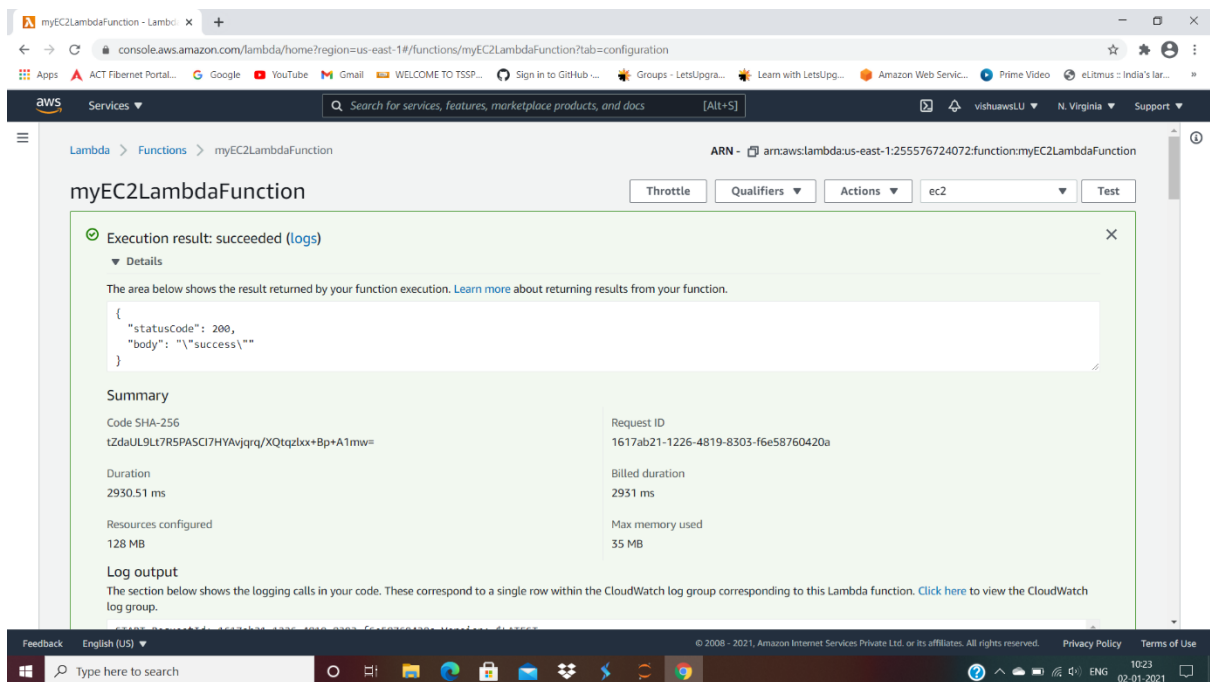
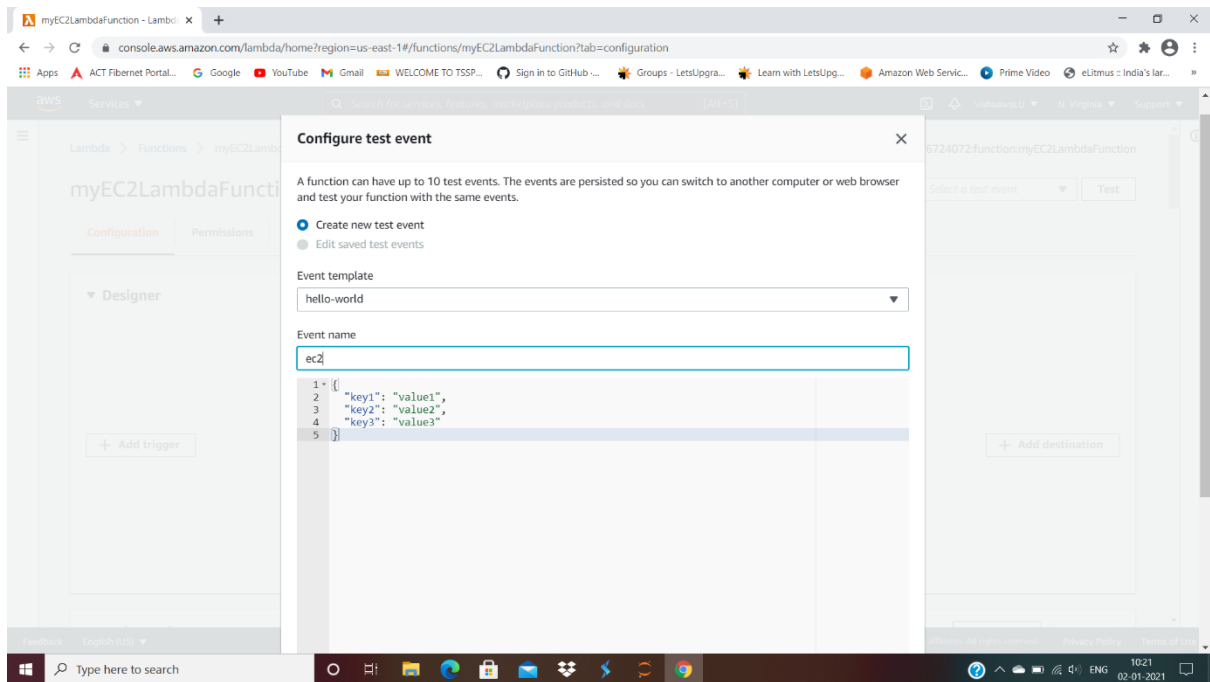




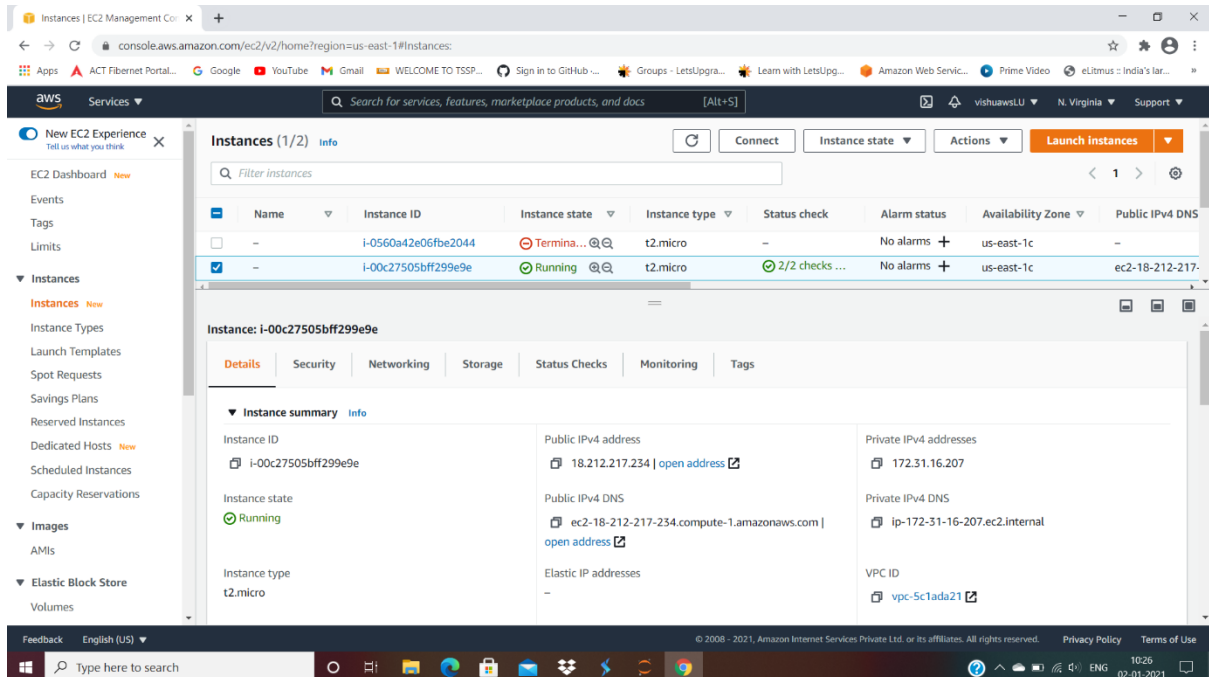
Creation of a Lambda Function







Details of instance that is created while testing Lamda function



The screenshot displays the AWS Management Console interface for EC2 instances. The top navigation bar shows the AWS logo and a search bar. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Limits, and Instances. The main content area shows a list of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, Availability Zone, and Public IPv4 DNS. The instance i-00c27505bff299e9e is selected and its details are shown in the right pane. The details pane includes tabs for Details, Security, Networking, Storage, Status Checks, Monitoring, and Tags. The Instance summary section shows the Instance ID, Instance state (Running), Instance type (t2.micro), Public IPv4 address (18.212.217.234), Public IPv4 DNS (ec2-18-212-217-234.compute-1.amazonaws.com), Private IPv4 addresses (172.31.16.207), Private IPv4 DNS (ip-172-31-16-207.ec2.internal), Elastic IP addresses, and VPC ID (vpc-5c1ada21).

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IPv4 DNS
-	i-0560a42e06f2044	Terminated	t2.micro	-	No alarms	us-east-1c	-
-	i-00c27505bff299e9e	Running	t2.micro	2/2 checks ...	No alarms	us-east-1c	ec2-18-212-217-234.compute-1.amazonaws.com

Instance: i-00c27505bff299e9e

Instance summary

Instance ID	Public IPv4 address	Private IPv4 addresses
i-00c27505bff299e9e	18.212.217.234 open address	172.31.16.207
Instance state	Public IPv4 DNS	Private IPv4 DNS
Running	ec2-18-212-217-234.compute-1.amazonaws.com open address	ip-172-31-16-207.ec2.internal
Instance type	Elastic IP addresses	VPC ID
t2.micro	-	vpc-5c1ada21