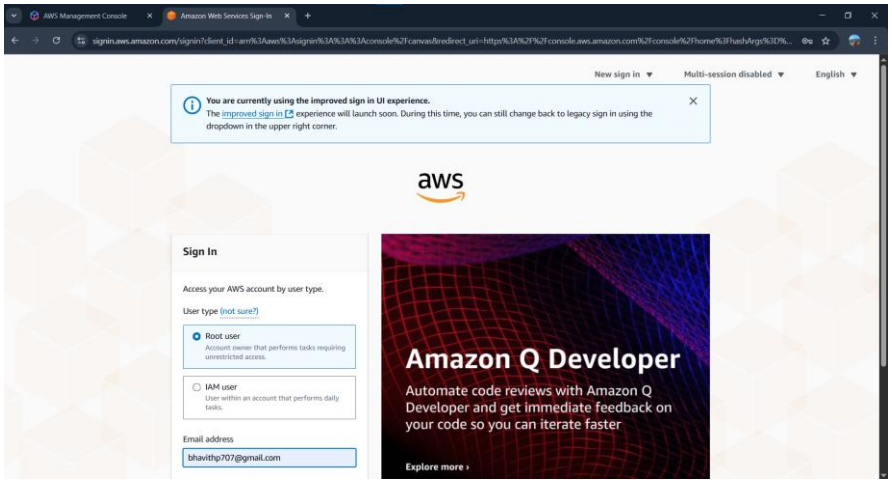
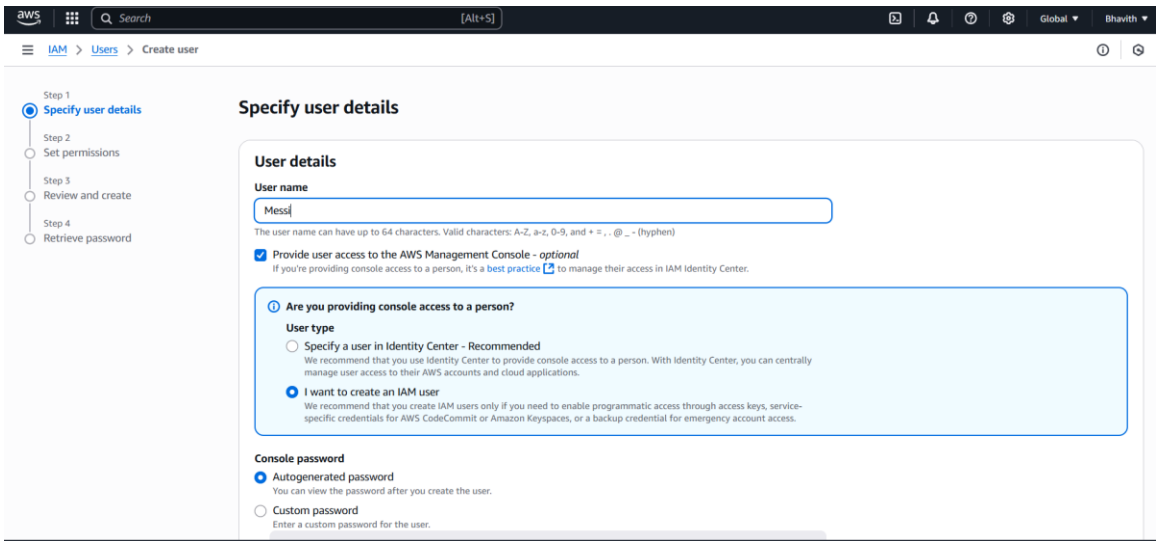
IAM User With EC2-Only Access in Mumbai Region

1. Login to AWS Root Account
- Go to https://aws.amazon.com/console/
- Login with root credentials.



2. Create an IAM User
- Navigate to IAM > Users > Add User
- Enter username: Messi
- Enable:
  - ✅Programmatic access
  - ✅AWS Management Console access
- Set a custom or auto password for console access

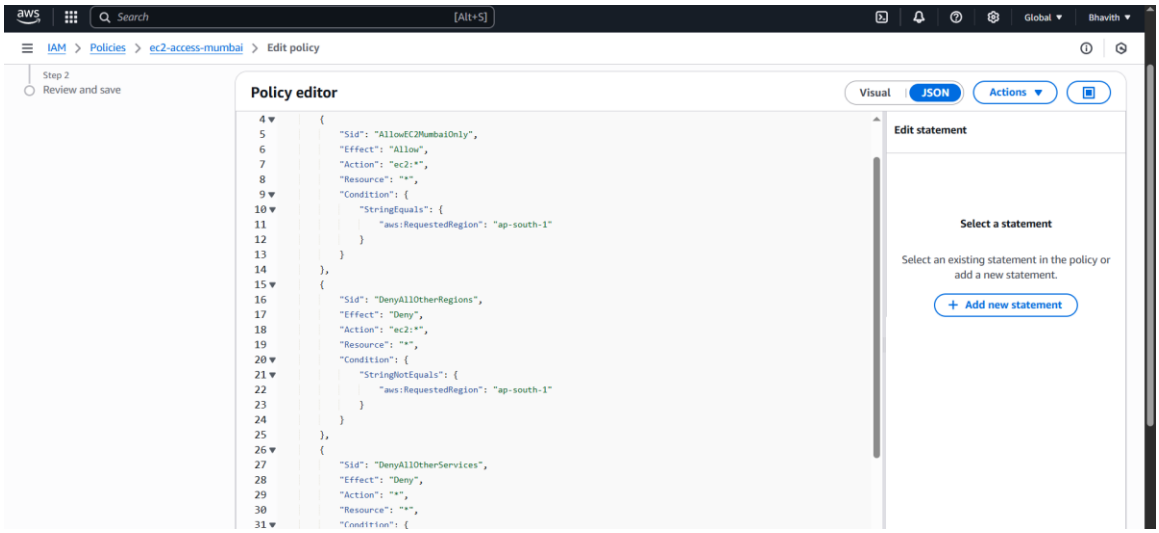


3. Create a Custom Policy with EC2-Only Mumbai Access
- Go to IAM > Policies > Create Policy
- Choose JSON and paste the following:

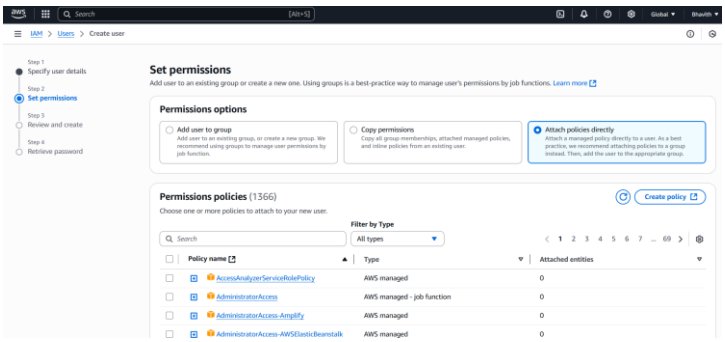
```
{
 "Version": "2012-10-17",
 "Statement": [
  {
   "Sid": "AllowEC2MumbaiOnly",
   "Effect": "Allow",
   "Action": "ec2:*",
   "Resource": "*",
   "Condition": {
    "StringEquals": {
     "aws:RequestedRegion": "ap-south-1"
    }
   }
  },
  {
   "Sid": "DenyAllOtherRegions",
   "Effect": "Deny",
   "Action": "ec2:*",
   "Resource": "*",
   "Condition": {
    "StringNotEquals": {
```

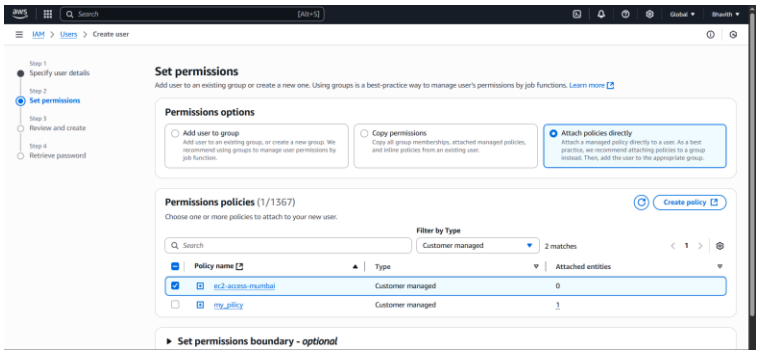
```
        "aws:RequestedRegion": "ap-south-1"
      }
     }
    },
    {
     "Sid": "DenyAllOtherServices",
     "Effect": "Deny",
     "Action": "*",
     "Resource": "*",
     "Condition": {
      "StringNotEquals": {
       "aws:RequestedRegion": "ap-south-1"
      }
     }
    }
  ]
}
```

- Name the policy: EC2-Mumbai-Only-Access
- Click Create Policy

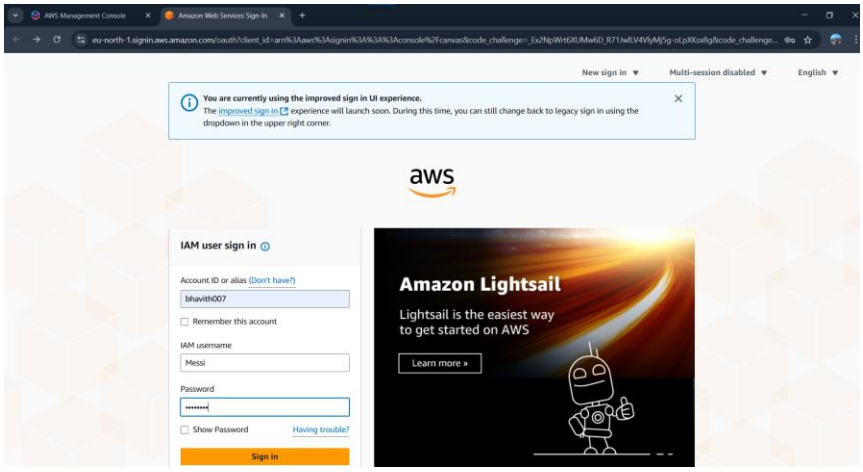


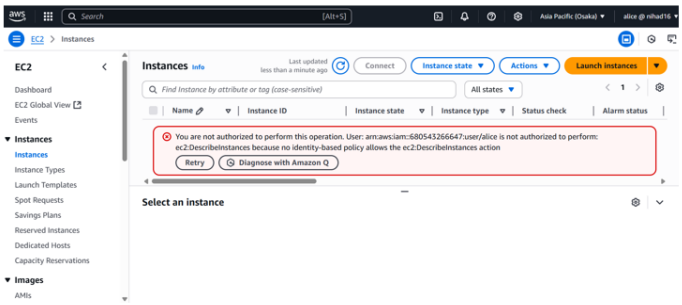
4. Attach the Policy to the User
- Go to IAM > Users > Select ec2-mumbai-only
- Click Add Permissions > Attach policies directly
- Select the policy EC2-Mumbai-Only-Access
- Finish the process





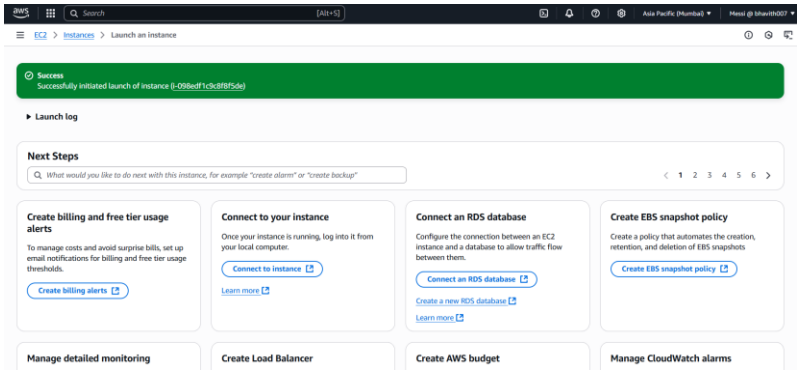
5. Test Management Console Access
- Open the IAM user login link
- Login as Messi
- ✓Go to EC2 > Mumbai → Access should work
- ✗Try accessing other services or regions → Access denied

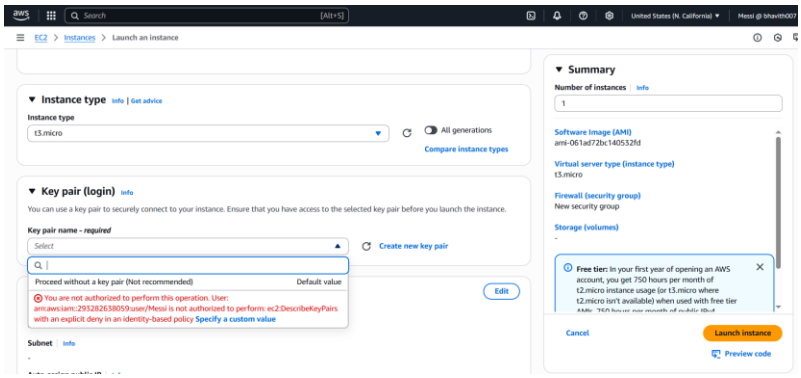


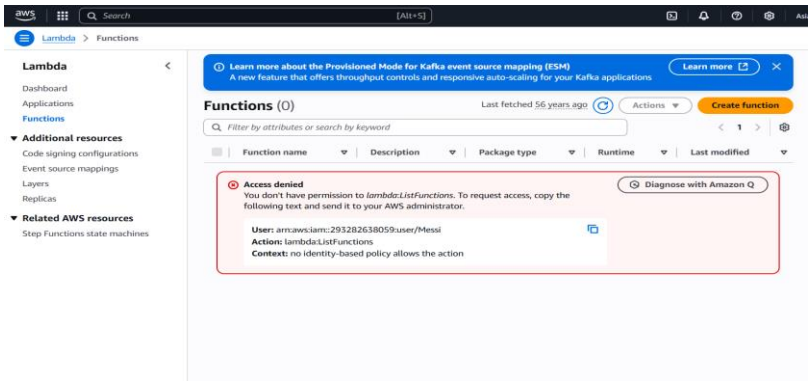


6. Test Programmatic Access (AWS CLI)
- Run: aws configure
- Enter IAM user's access key, secret key, and region ap-south-1

- Run:
aws ec2 describe-instances ✓Should work
aws ec2 describe-instances --region us-east-1 ✗AccessDenied
aws lambda ✗AccessDenied






aws
Search
[Alt+S]
Lambda > Functions
Lambda
Dashboard
Applications
Functions
Additional resources
Code signing configurations
Event source mappings
Layers
Replicas
Related AWS resources
Step Functions state machines
Learn more about the Provisioned Mode for Kafka event source mapping (ESM)
A new feature that offers throughput controls and responsive auto-scaling for your Kafka applications
Learn more
Functions (0)
Last fetched 56 years ago
Actions
Create function
Filter by attributes or search by keyword
Function name
Description
Package type
Runtime
Last modified
Access denied
You don't have permission to lambda:ListFunctions. To request access, copy the following text and send it to your AWS administrator.
Diagnose with Amazon Q
User: arn:aws:iam::293282638059:user/Messi
Action: lambda:ListFunctions
Context: no identity-based policy allows the action