## **AWS IAM**

Identity and Access Management

### What is IAM?

• AWS Identity and Access Management (IAM) is a web service that helps you securely control access to AWS resources. You use IAM to control who is authenticated (signed in) and authorized (has permissions) to use resources.

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## Why use IAM?

• Use IAM to manage and scale workload and workforce access securely supporting your agility and innovation in AWS.

### IAM Service?

- In this service you can create users, we grant them required permissions also revoke when needed.
  - We Access Management:
    - Users
    - Polices
    - Groups
    - Roles

#### USERS:

Users are the ones with access to services on our AWS account by team members.

#### • POLICIES:

Polices are nothing but permissions which grant to the user to access various AWS services.

#### GROUPS:

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

#### • ROLES:

An IAM role is an identity you can create that has specific permissions.

## Understanding how IAM works?

**AWS Identity & Access Management** 

Overview

Features •

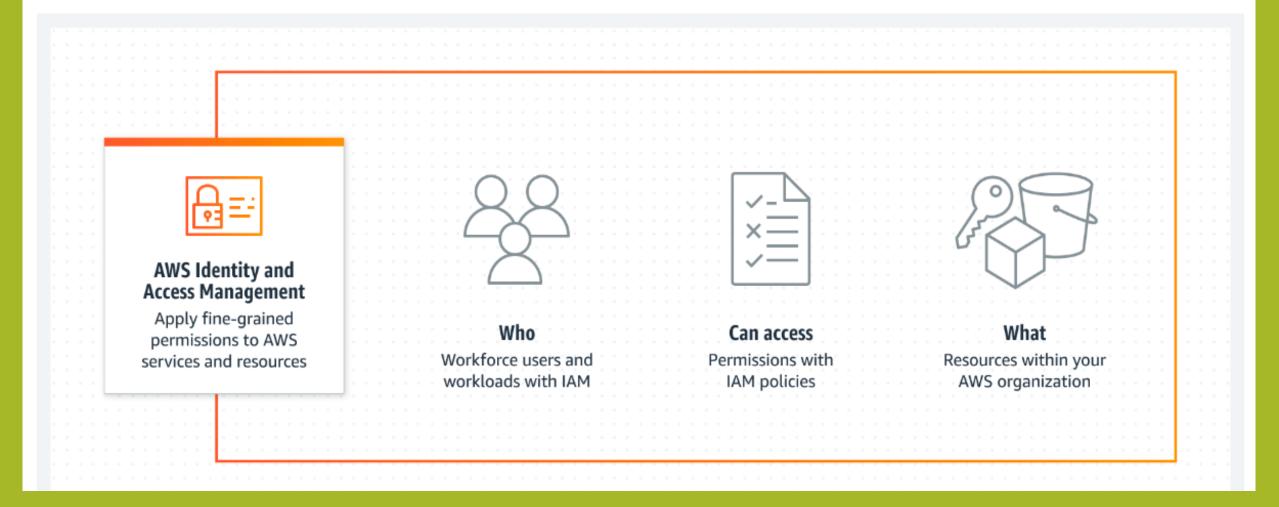
Getting Started

Resources \*

FAQs

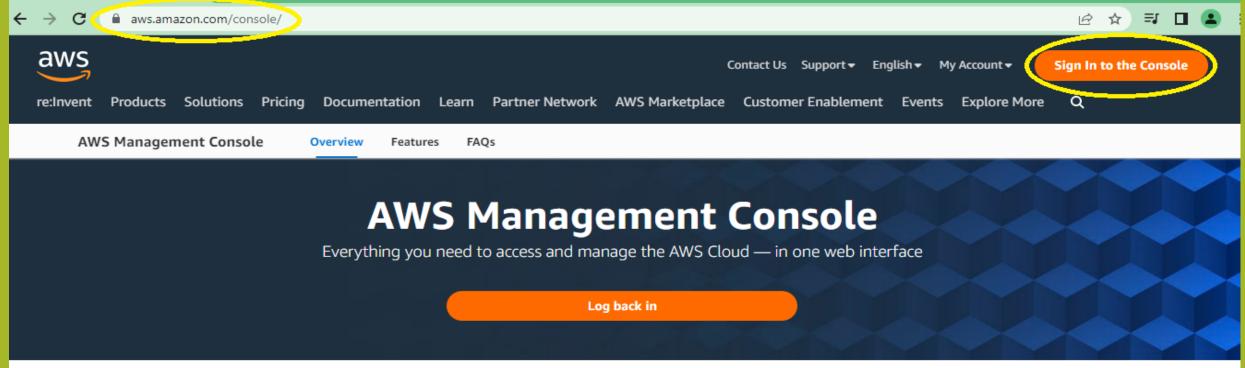
Partners

With AWS Identity and Access Management (IAM), you can specify who or what can access services and resources in AWS, centrally manage fine-grained permissions, and analyze access to refine permissions across AWS.



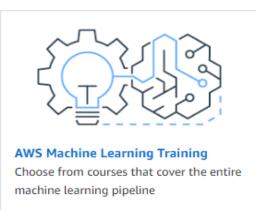
# PRACTICAL

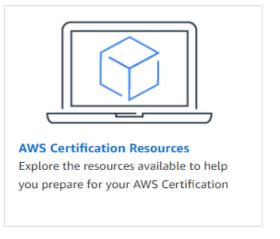
### Open AWS Management Console in Google Then Sign In











### Sign in Root User





■ signin.aws.amazon.com/signin?redirect\_uri=https%3A%2F%2Fconsole.aws.amazon.com%2Fconsole%2Fhome%3FhashArgs%3D%2523%26isauthcode%3Dtrue%26...







#### Sign in



Account owner that performs tasks requiring unrestricted access. Learn more

#### O IAM user

User within an account that performs daily tasks. Learn more

#### Root user email address

username@example.com

#### Next

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New to AWS?

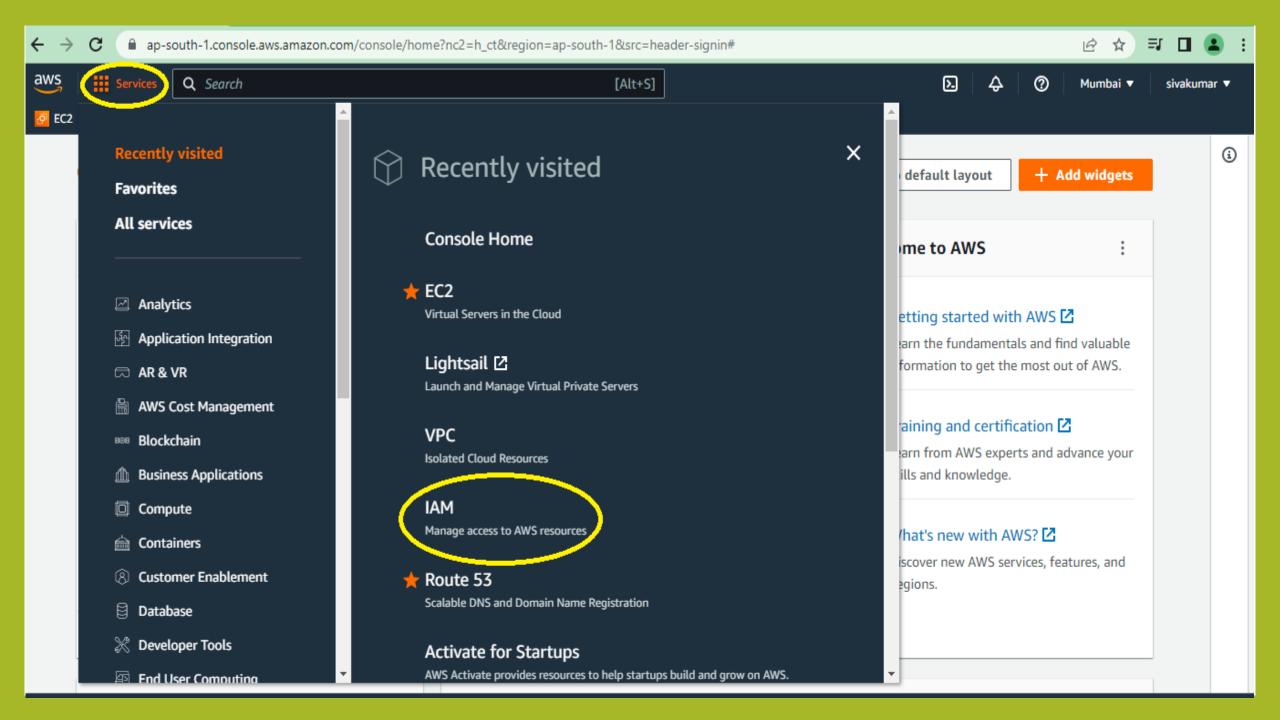
Create a new AWS account

## re:Invent

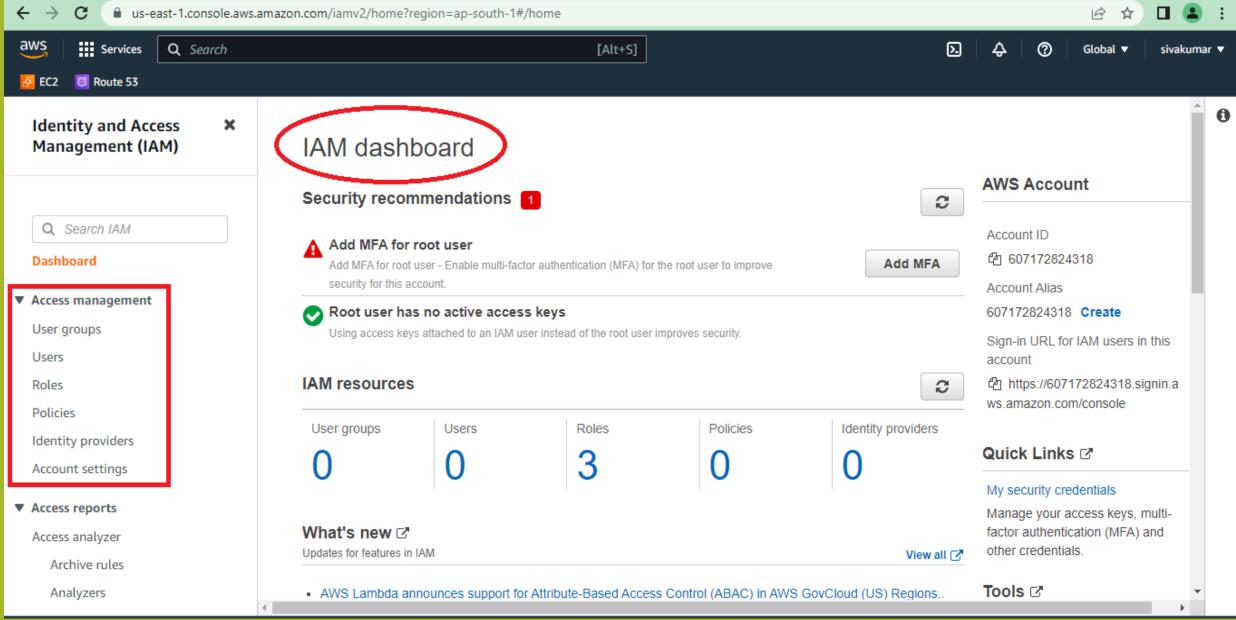
### What's New in AWS Analytics

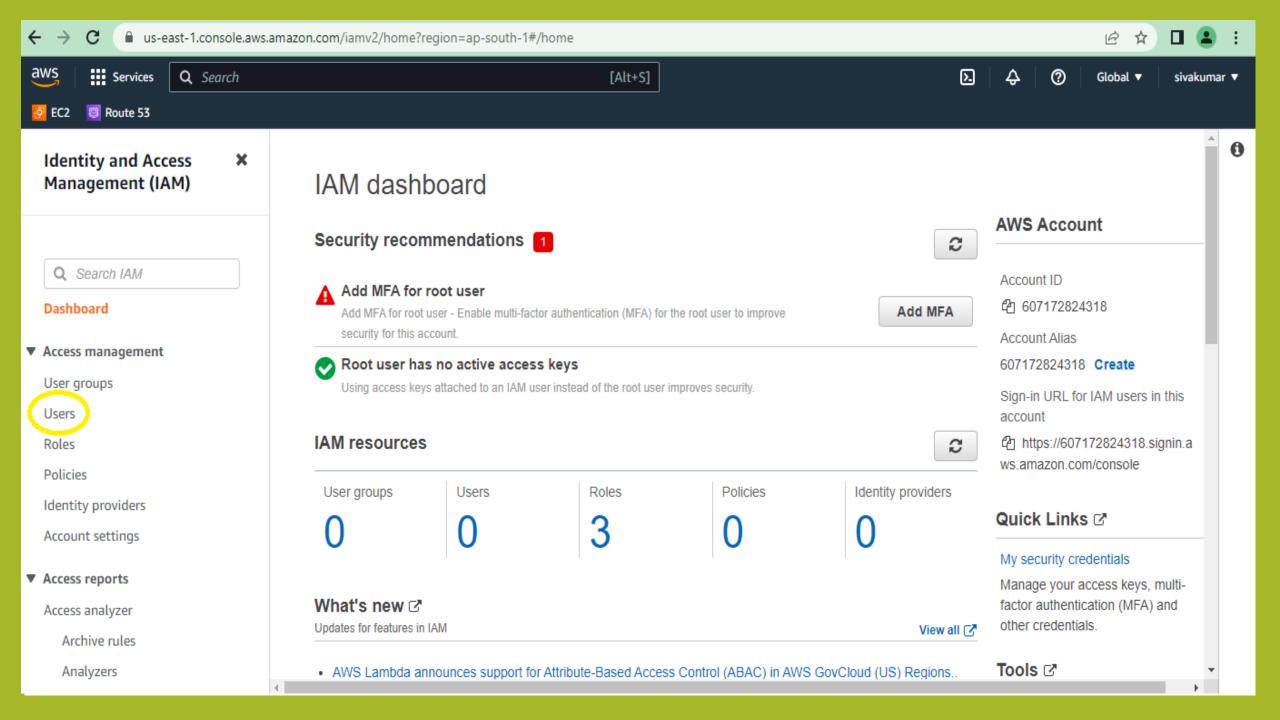
Introducing Amazon DataZone and Amazon OpenSearch Serverless, as well as new features for Amazon QuickSight, Amazon Redshift, and more.

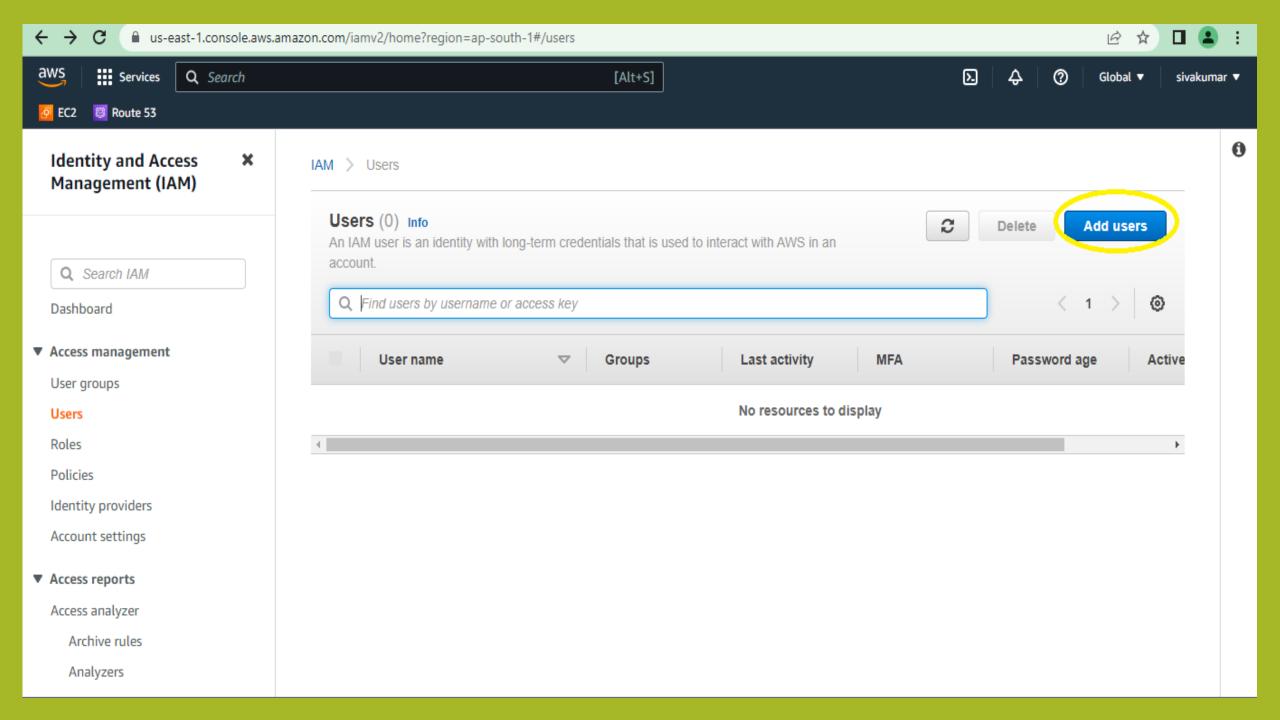
**Explore the announcements** 

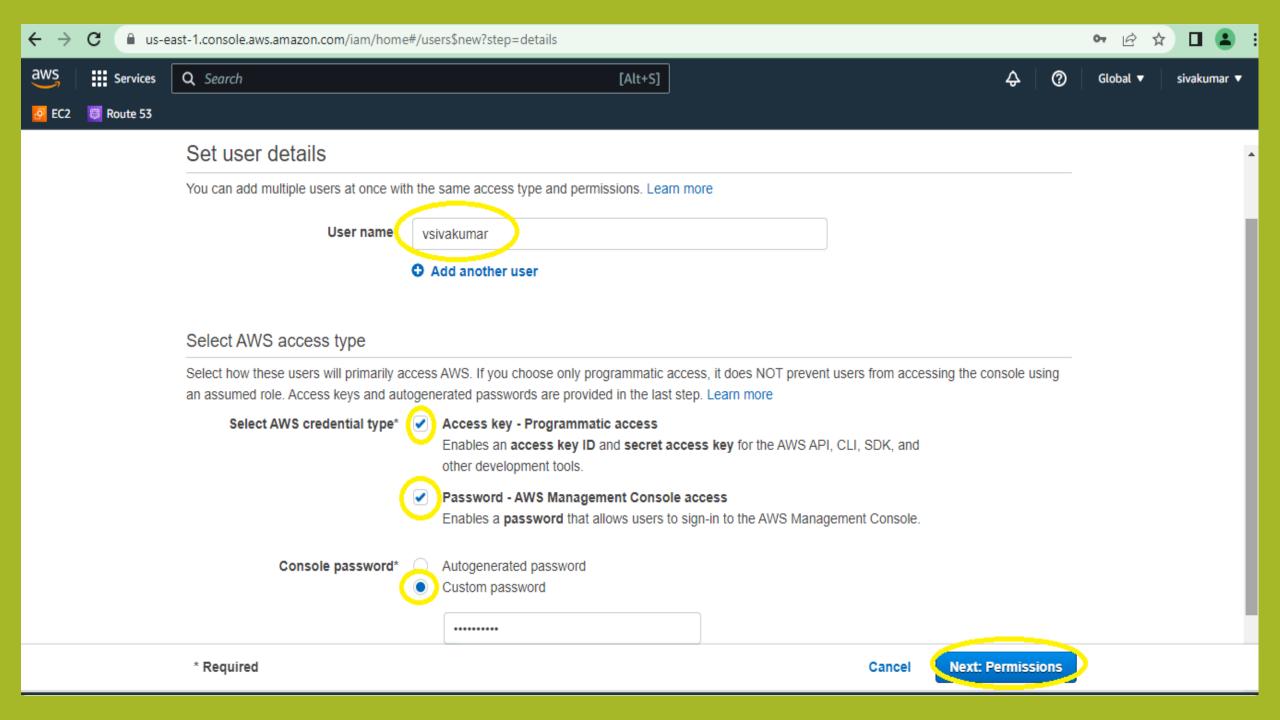


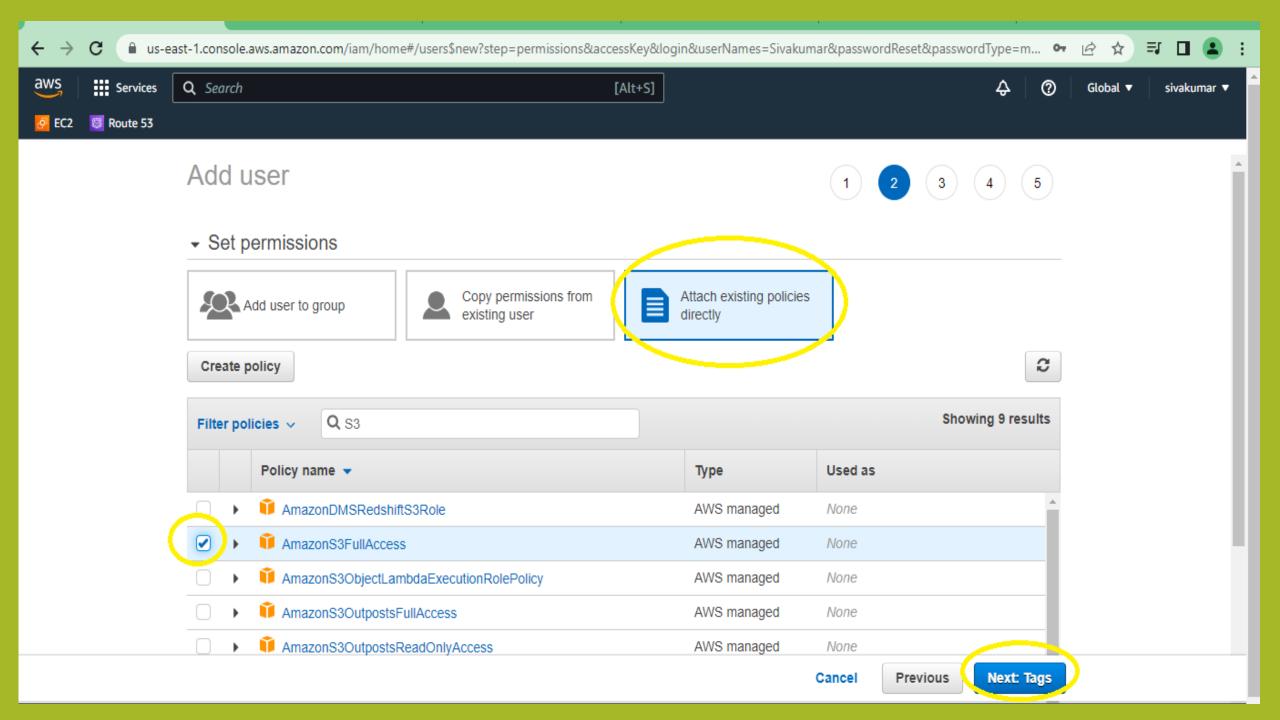
## We are in IAM dashboard will going to create user

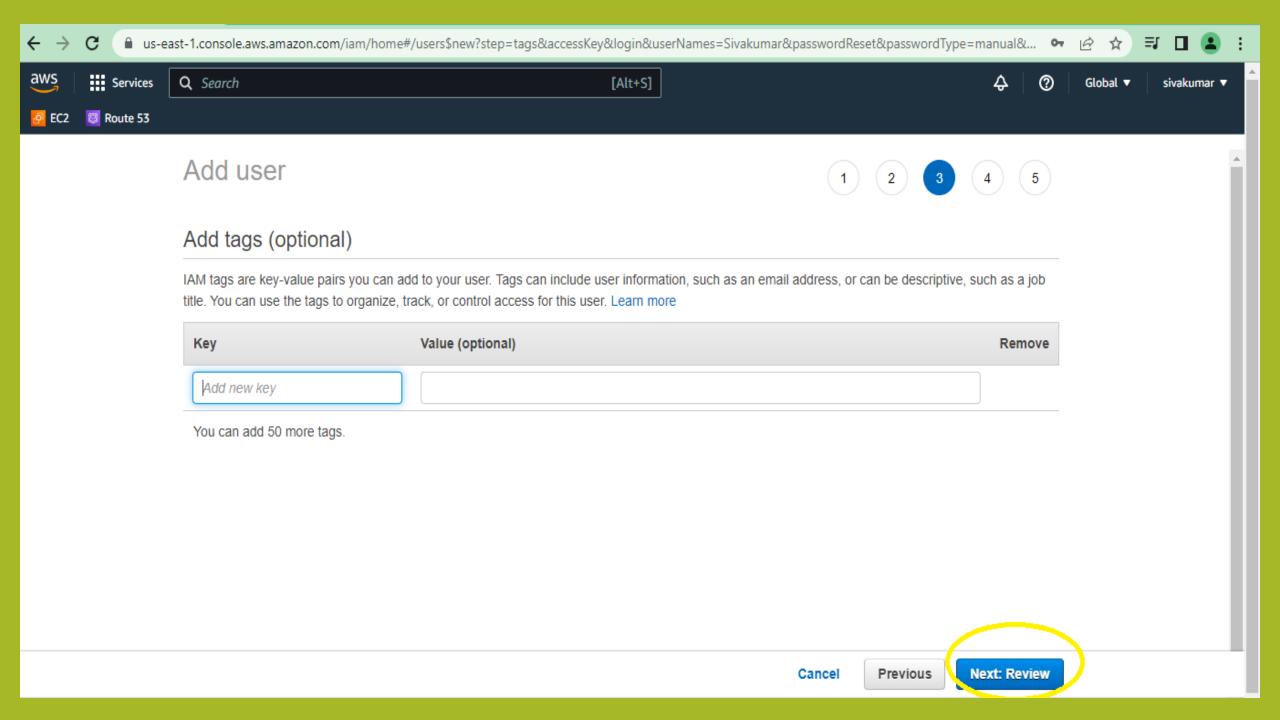


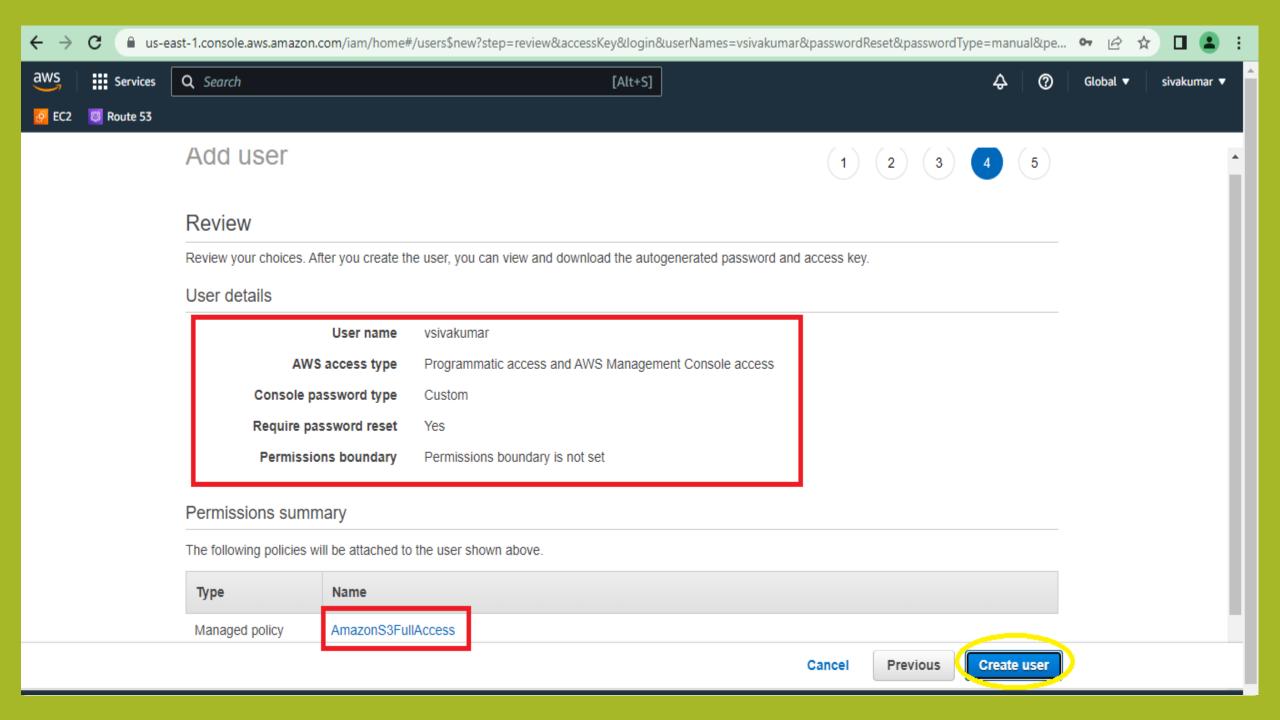




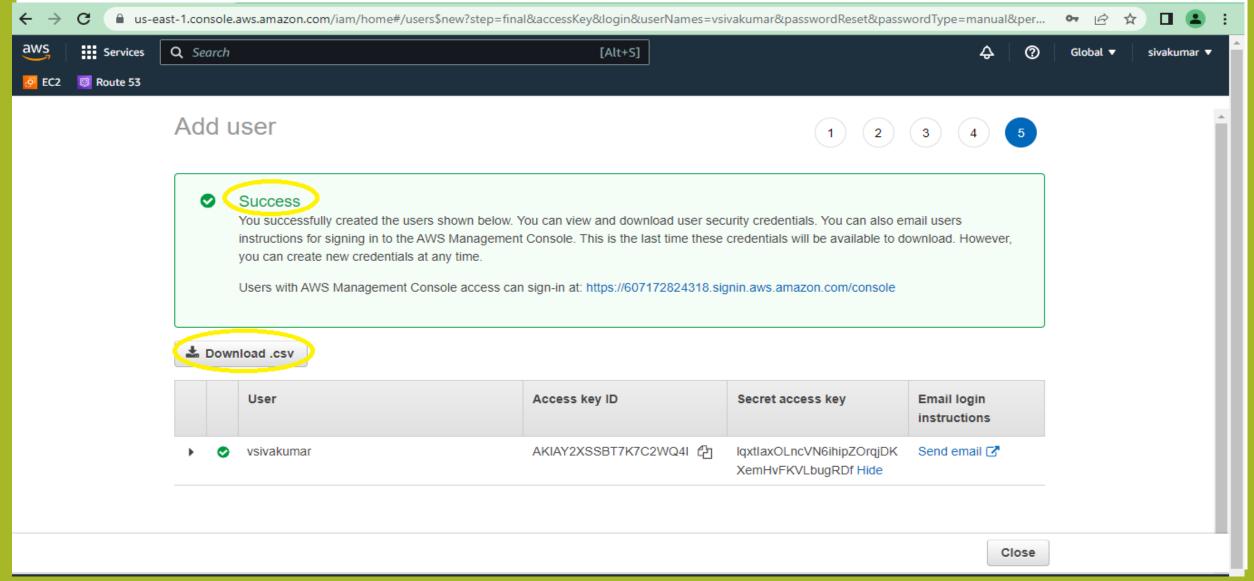




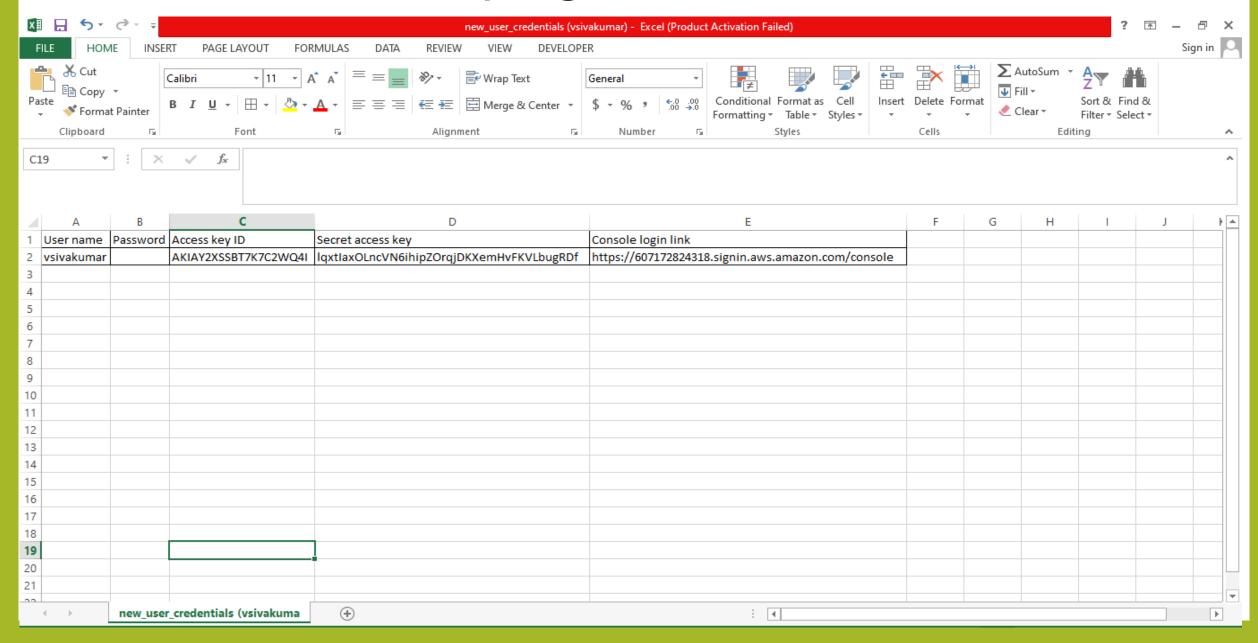


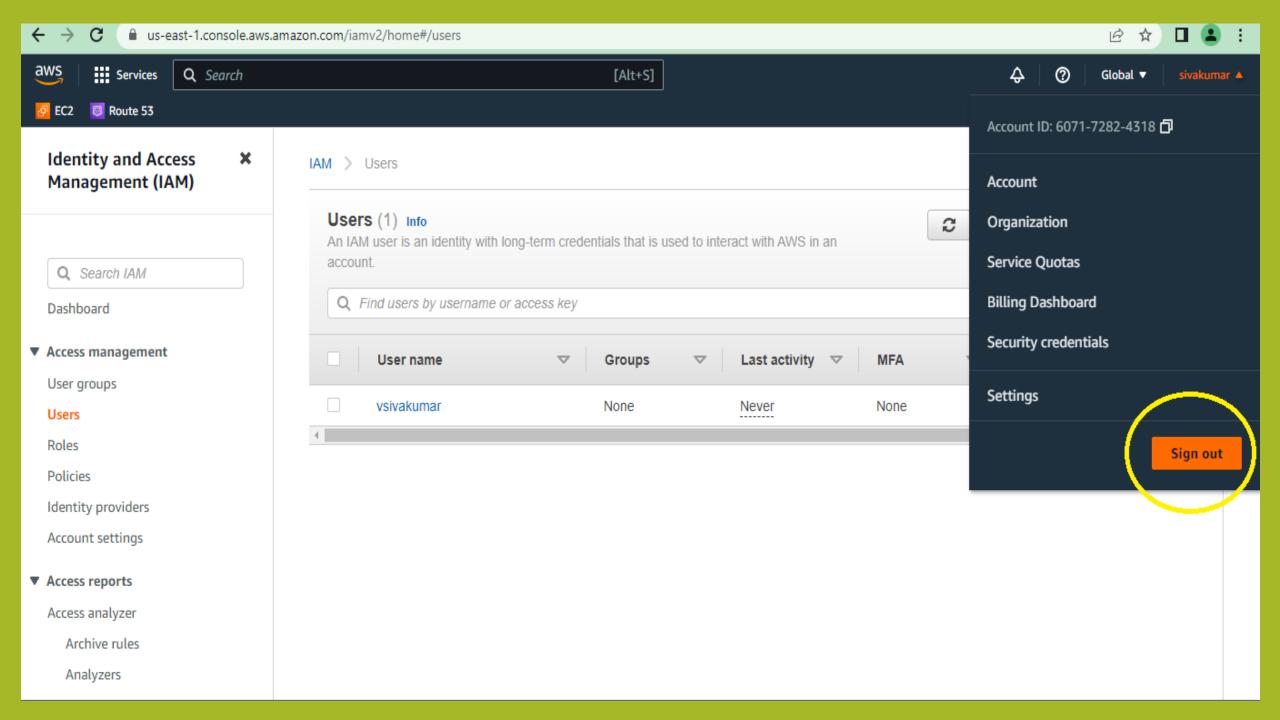


# User created download .CSV file to desktop in that file Access key and Secret Access key are available.

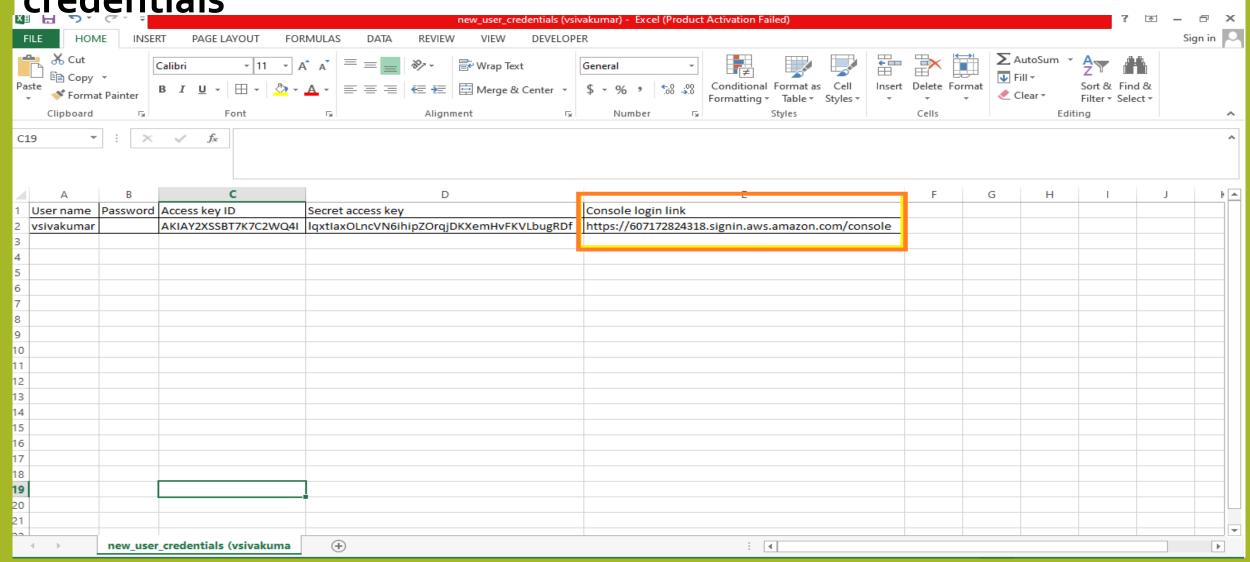


### After download. CSV file you get (new\_user\_credentials) in Excel

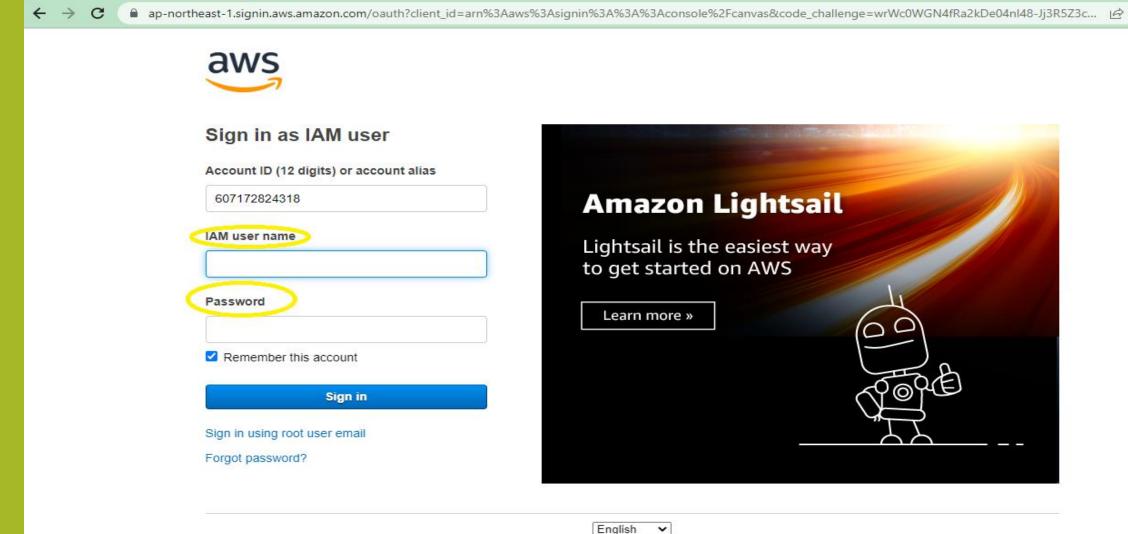




Lets go & check what are the permission given to the created account, lets login by the URL which we generated in User credentials

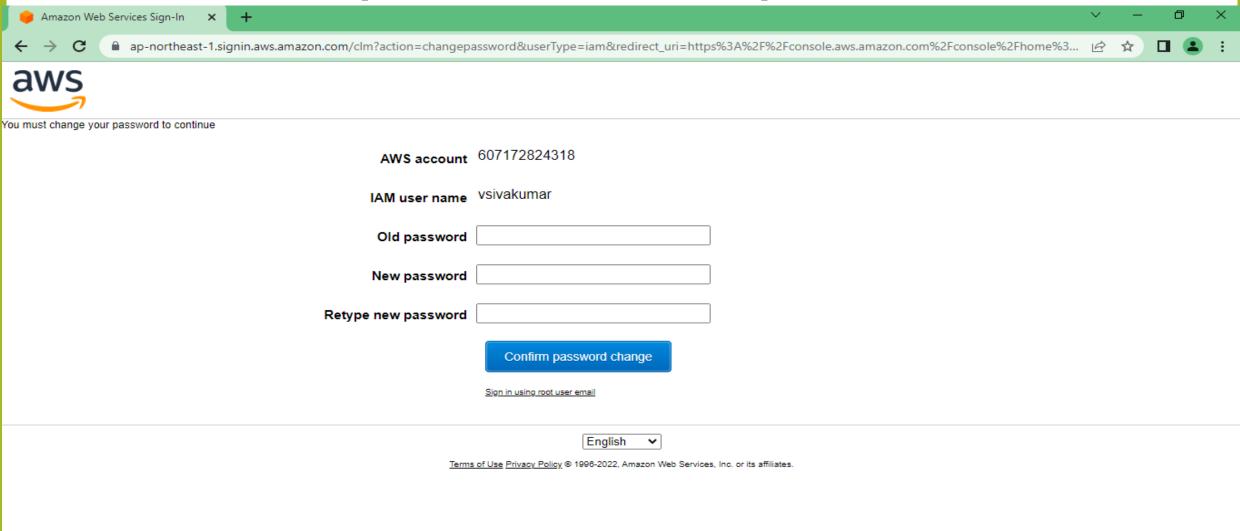


# Copy login URL, paste in google page then sign in as IAM user

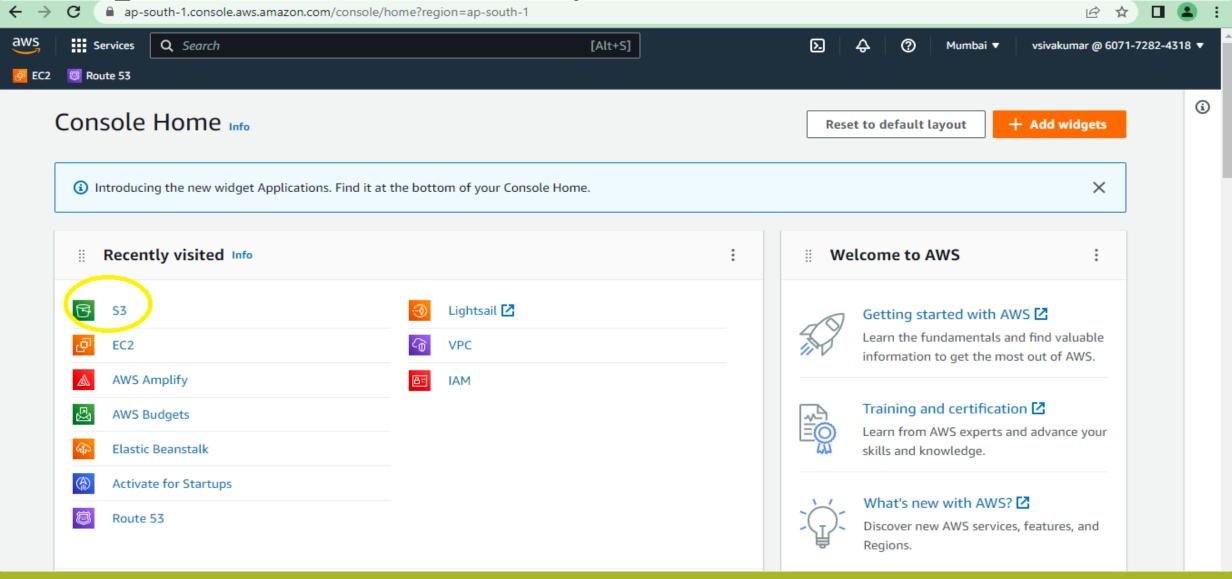


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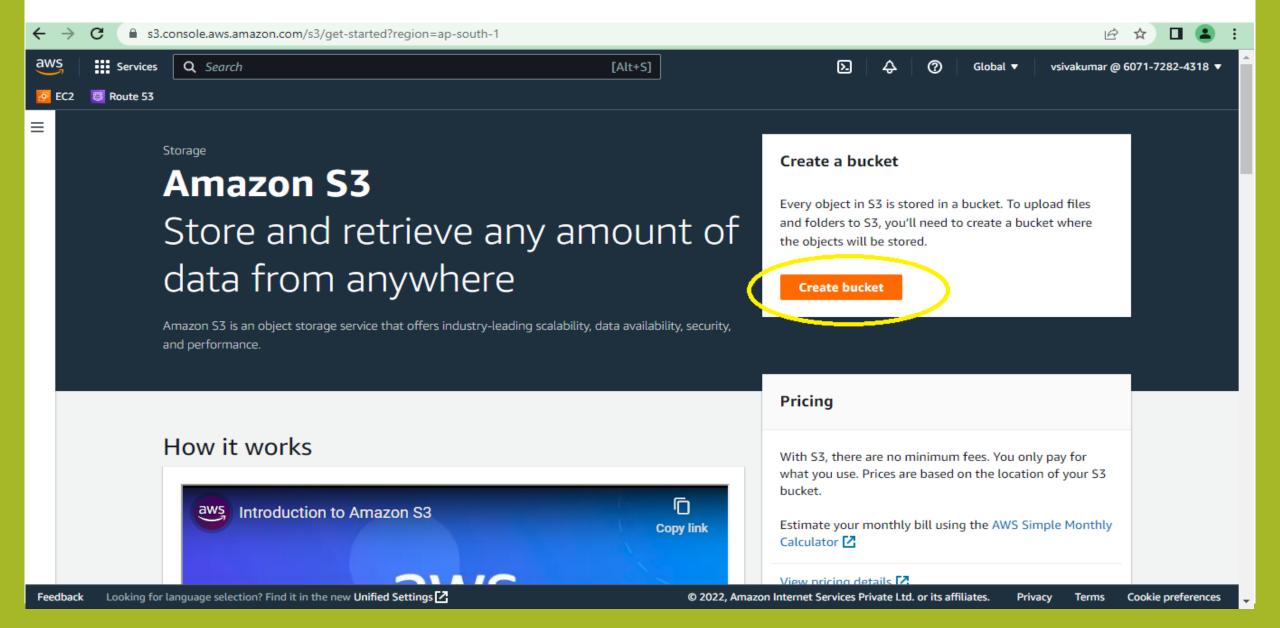
## Reset from old password to new password



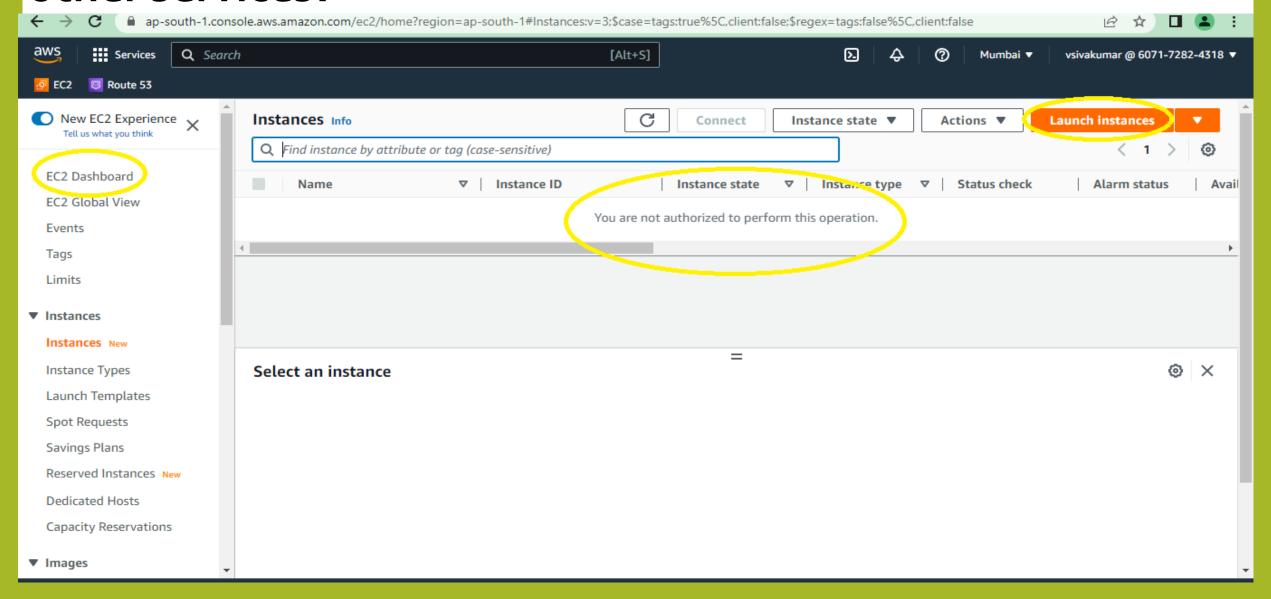
# Yes now we are in console home, we have permissions only for S<sub>3</sub> but not other services, lets see



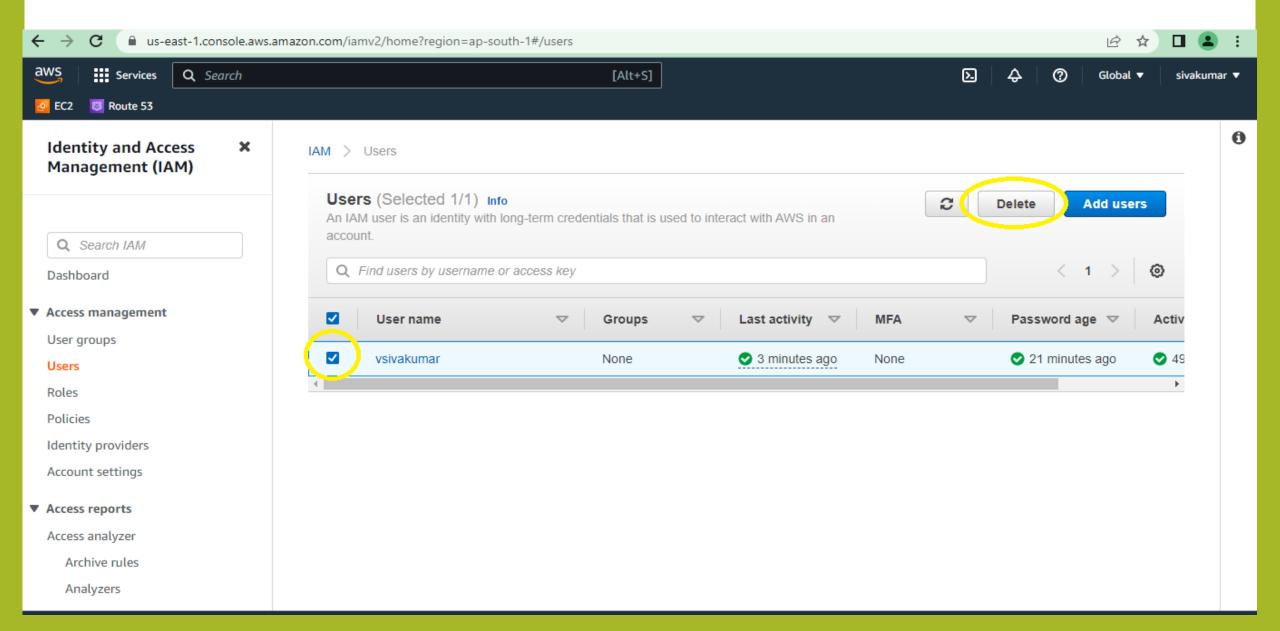
## We have permission only for S3 check the screen



# Referring to screen shot we don't have permissions for other services?



## Deleting



# THANKYOU