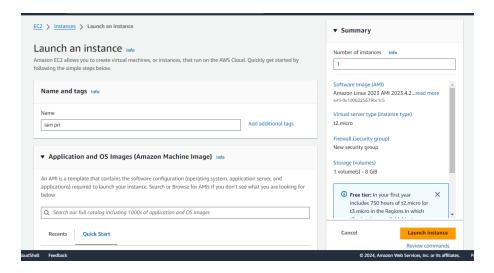
IDENTITY ACCESS MANAGEMENT

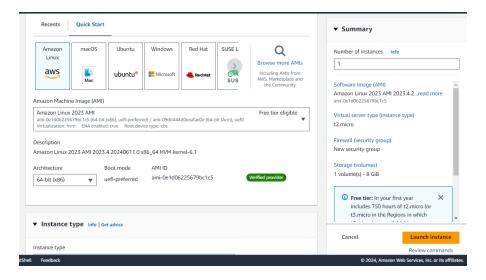
AWS IAM (Identity and Access Management) is a service that helps you securely control access to AWS services and resources. It allows you to manage users, groups, roles, and permissions to ensure that only authorized users can perform specific actions.

EC2 INSTANCES

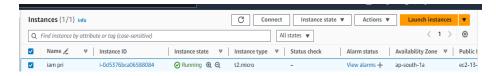
Amazon EC2 (Elastic Compute Cloud) is a service that lets you run virtual servers in the cloud, giving you flexible, scalable computing power. You can quickly launch and manage instances to meet your needs and only pay for the resources you use.

STEP 1 Launch EC2 instance - Amazon Linux





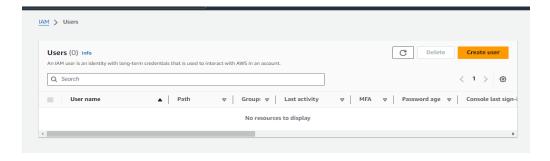
STEP 2 successfully created

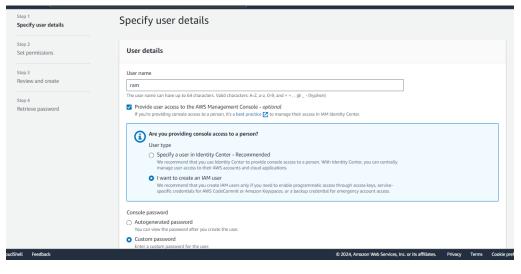


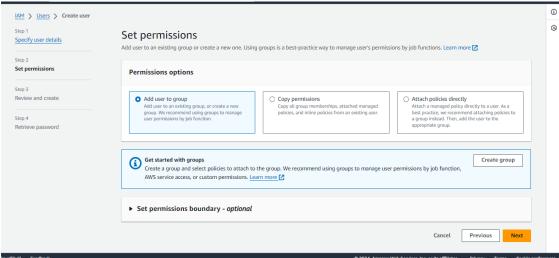
USER

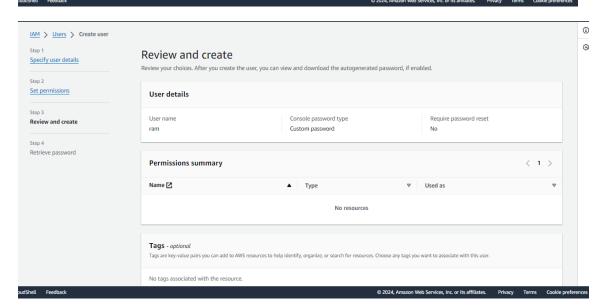
In AWS IAM, a user is an entity that represents a person or service needing access to AWS resources. Users are assigned permissions through policies, allowing them to perform specific actions within AWS.

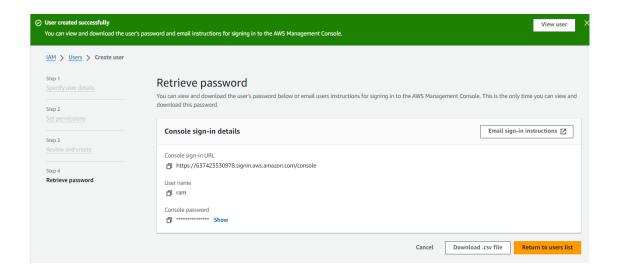
STEP 1 create user





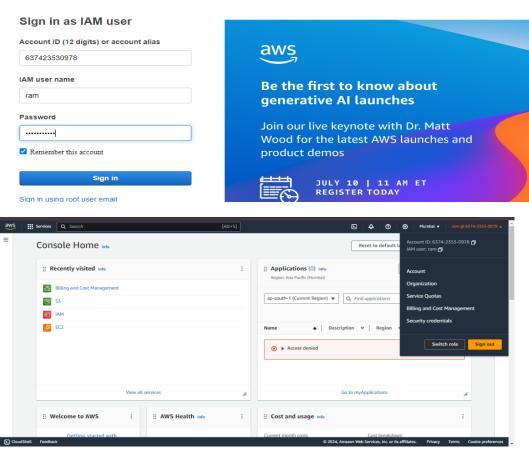






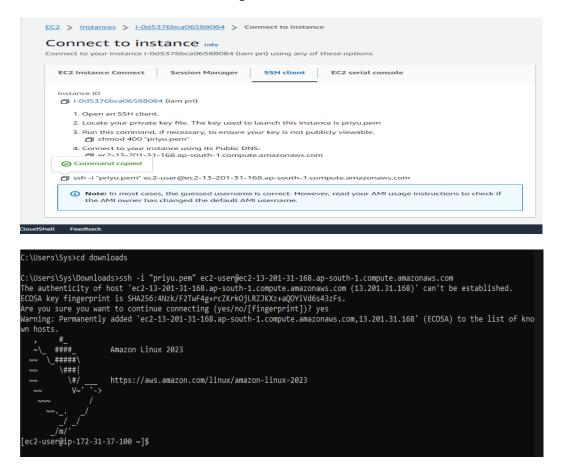
STEP 2 let's try to login using IAM user



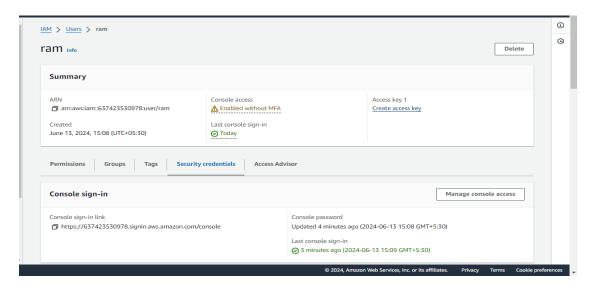


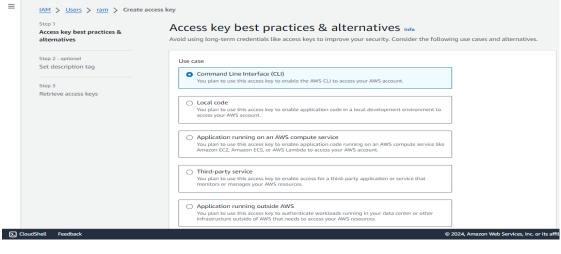
Now switch Root user

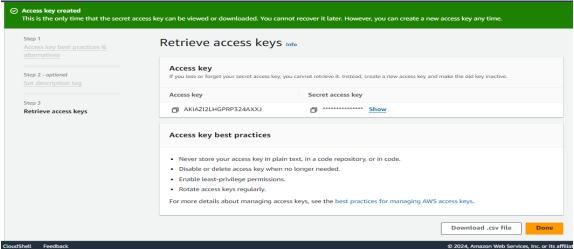
STEP 1 connect the EC2 instance using ssh client



STEP 3 IAM-users-create access key



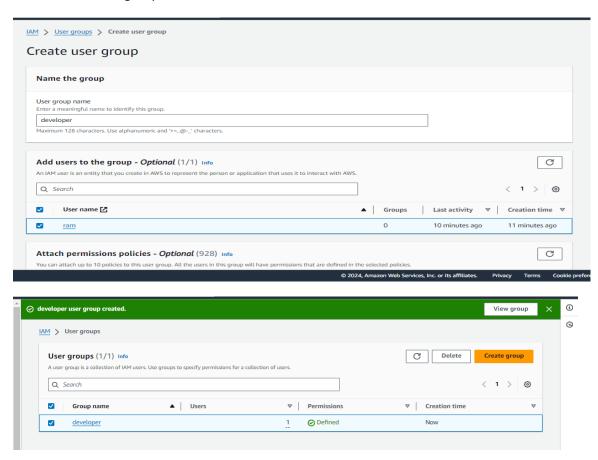




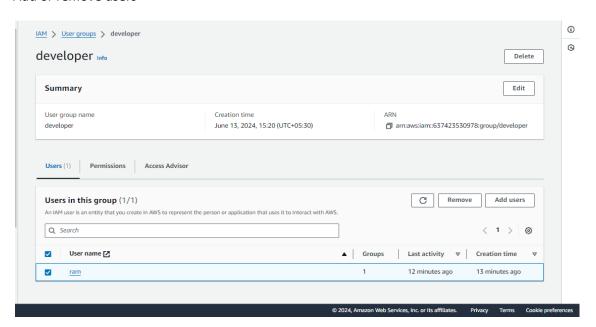
User Groups

In AWS IAM, a user group is a collection of IAM users that you can manage as a single unit. By assigning permissions to a user group, all users in the group inherit those permissions, simplifying access management.

STEP 1 create user group



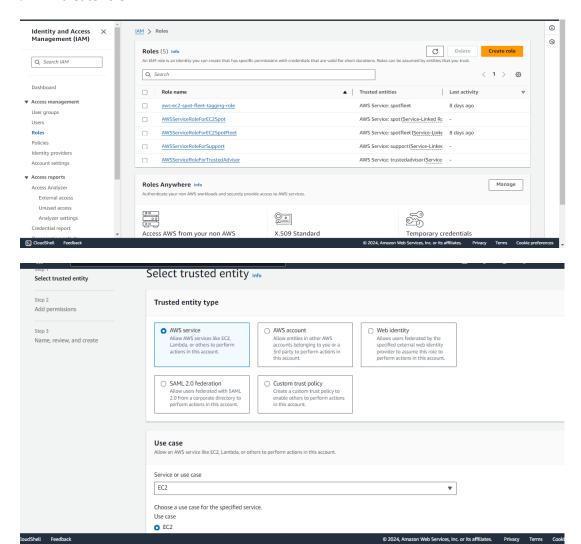
Add or remove users

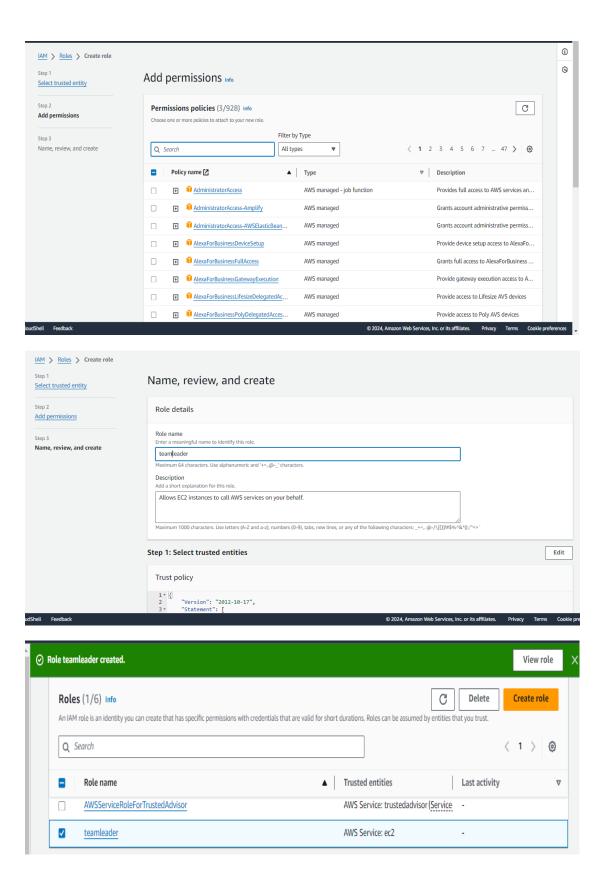


Roles

In AWS, roles are a way to grant permissions to entities like EC2 instances, Lambda functions, or users, allowing them to perform specific actions on AWS resources. They use temporary security credentials and can be assumed by trusted entities, enabling secure and controlled access.

STEP 1 create role

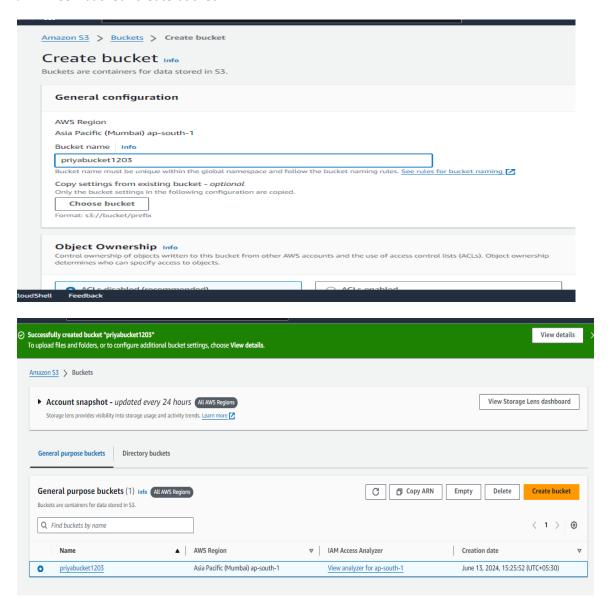




AWS S3

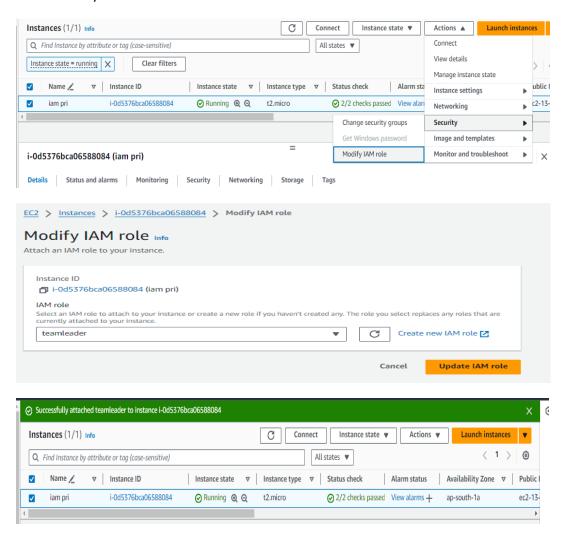
Amazon S3 (Simple Storage Service) is a scalable cloud storage service that allows you to store and retrieve large amounts of data at any time. It offers secure, durable, and highly available object storage, ideal for backups, data archiving, and content distribution.

STEP 1 S3 - bucket - create bucket



EC2- Modify IAM Role

STEP 1 modify IAM role



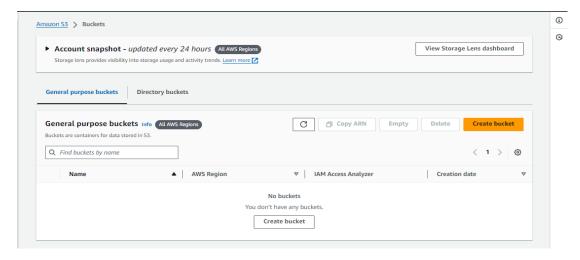
STEP 2 Open command prompt

[ec2-user@ip-172-31-37-100 ~]\$

STEP 3 Removing bucket through commands

```
[ec2-user@ip-172-31-37-100 ~]$ aws s3 rb s3://priyabucket1203
remove_bucket: priyabucket1203
[ec2-user@ip-172-31-37-100 ~]$
```

STEP 4 open AWS S3 to check the bucket whether removed or not



After, completing the task terminate the instance

