BLACKBUCKS INTERNSHIP REPORT

Cloud Connect(Multi-User AWS Architecture with S3, Lambda, DynamoDB, and EC2**)**

SUBMITTED BY

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BLACKBUCK INTERNSHIP WORK

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- SHAIK SALMAN (20B91A05S0)

Title:

CLOUDCONNECT: Multi-User AWS Architecture with S3, Lambda, DynamoDB, and EC2.

Abstract:

. The project CLOUDCONNECT is an innovative AWS cloud computing project that showcases the collaborative capabilities of different IAM users within an AWS environment. The features that are used collectively enable the implementation of a multi-tiered cloud infrastructure that supports data replication, triggers automated actions, and integrates with EC2 instances for dynamic data processing and management.This architecture uses several aws services such as EC2,S3,Dynamodb,IAM and Lambda. The features that are used are collectively enable the implementation of a multi-tiered cloud infrastructure that supports data replication, triggers automated actions, and integrates with EC2 instances for dynamic data processing and management

AWS PROJECT

DOCUMENTATION

I. INTRODUCTION

CLOUD COMPUTING

Cloud, in the context of computing, refers to the practice of using remote servers hosted on the internet to store, manage, and process data, as well as provide various services. It involves accessing and utilizing resources and applications over the internet rather than relying solely on local infrastructure or hardware.

Cloud computing is a model of computing that involves the delivery of various computing services over the internet. Instead of relying on a local server or personal computer to store data and run applications, cloud computing utilizes remote servers hosted on the internet to store and process data, and to provide various services.

NEED OF CLOUD COMPUTING

Cloud computing offers several advantages compared to physical storage in ancient times. Here are a few key reasons why cloud computing is preferred over traditional physical storage methods:

- Scalability: Cloud storage offers easy and dynamic scalability, while physical storage had limited capacity.
- Cost Efficiency: Cloud computing operates on a pay-as-you-go model, eliminating upfront investments and enabling cost optimization.
- Accessibility and Availability: Cloud storage provides ubiquitous access from anywhere with an internet connection, ensuring high availability even during emergencies.
- Data Preservation and Durability: Cloud storage employs advanced preservation techniques, ensuring data durability and long-term preservation.
- Collaboration and Sharing: Cloud computing enables seamless collaboration and sharing of data among individuals and teams across different locations.
- Security: Cloud storage offers robust security measures to protect data from theft, damage, or unauthorized access.
- Flexibility and Innovation: Cloud computing provides a wide range of services beyond storage, enabling organizations to leverage advanced technologies and innovate without significant infrastructure investments.

AMAZON WEB SERVICES (AWS)

AWS, or Amazon Web Services, is a comprehensive cloud computing platform offered by Amazon.com. It provides a wide range of cloud services that enable businesses and individuals to build and deploy various applications and services in a flexible and scalable manner.

AWS offers a vast array of services across different categories, including:

- Computing:
  AWS Elastic Compute Cloud (EC2) provides virtual servers in the cloud, allowing users to run applications and workloads. It offers a wide selection of instance types with different compute, memory, and storage capabilities.
- Storage:

AWS provides multiple storage options, including Amazon Simple Storage Service (S3) for object storage, Amazon Elastic Block Store (EBS) for persistent block storage, and Amazon Glacier for long-term archival storage. These services offer durability, scalability, and high availability for storing and retrieving data.

- **Databases**:
  AWS offers various database services, such as Amazon Relational Database Service (RDS) for managed relational databases, Amazon DynamoDB for NoSQL databases, and Amazon Aurora for a MySQL and PostgreSQL-compatible database. These services handle database management tasks, such as backups, patching, and replication.
- **Networking**:
  AWS provides networking services that enable users to establish secure and reliable connections. Amazon Virtual Private Cloud (VPC) allows users to create isolated virtual networks, and AWS Direct Connect offers dedicated network connections between on-premises environments and AWS.
- **Security and Identity**:
  AWS offers a range of security services, including AWS Identity and Access Management (IAM) for managing access to AWS resources, AWS Key Management Service (KMS) for encryption key management, and AWS Certificate Manager for managing SSL/TLS certificates.
- **Analytics**:
  AWS provides services for data analytics and processing, such as Amazon Redshift for data warehousing, Amazon Athena for interactive query analysis, and Amazon Kinesis for real-time data streaming and processing.
- **Artificial Intelligence (AI) and Machine Learning (ML):**
  AWS offers services like Amazon SageMaker for building, training, and deploying machine learning models, Amazon Rekognition for image and video analysis, and Amazon Lex for building conversational interfaces.

II. ARCHITECTURE

Title:

CLOUDCONNECT: Multi-User AWS Architecture with S3, Lambda, DynamoDB, and EC2

Description:

CLOUDCONNECT is an innovative AWS cloud computing project that showcases the collaborative capabilities of different IAM users within an AWS environment. The features that are used collectively enable the implementation of a multi-tiered cloud infrastructure that supports data replication, triggers automated actions, and integrates with EC2 instances for dynamic data processing and management.

Overview:

.The CLOUDCONNECT project illustrates the power of AWS IAM users and their ability to collaborate and leverage various AWS services, such as S3, Lambda, DynamoDB, and EC2, to create a comprehensive cloud computing solution.

IAM User 1: This user manages an S3 bucket and utilizes a Lambda function triggered by the root user to perform specific actions on the bucket.

IAM User 2: This user oversees a DynamoDB table that is connected to an S3 bucket through a Lambda function, enabling seamless data integration between the two services.

IAM User 3: This user maintains a separate S3 bucket that engages in cross-replication with the S3 bucket controlled by IAM User 1. This setup ensures data synchronization and redundancy across the two buckets.

IAM User 4: This user is responsible for an EC2 instance that establishes a connection with the DynamoDB table owned by IAM User 2. The EC2 instance utilizes the table for various operations, showcasing the dynamic nature of data utilization within the project

Data Replication Workflow:

1. Data Capture: The architecture begins by capturing the data from a s3 bucket to other resources in other IAM users.
2. Seamless Data Integration: With the help of lambda function the data in s3 bucket is transferred to table in Dynamodb.
3. Cross-Region Replication: To achieve cross-region replication, an S3 bucket in another region is configured as the replication destination for the primary S3 bucket.
4. . Object Replication: The architecture automatically replicates objects from S3 Bucket 1 to S3 Bucket 2 in the different region. This ensures data redundancy, disaster recovery, and compliance with regional data residency requirements.

Benifits:

❖ Data Redundancy: The architecture offers robust data replication, ensuring redundancy across regions for improved data durability and availability.

❖ Disaster Recovery: Cross-region replication provides a disaster recovery solution, safeguarding critical data in case of region-specific outages or failures.

❖ Compliance and Data Residency: The architecture enables compliance with regional data residency requirements, ensuring data remains within specific geographic boundaries.

❖ Scalability: The ability to start or stop instances using Lambda functions provides agile and scalable resource management, matching compute capacity to demand.

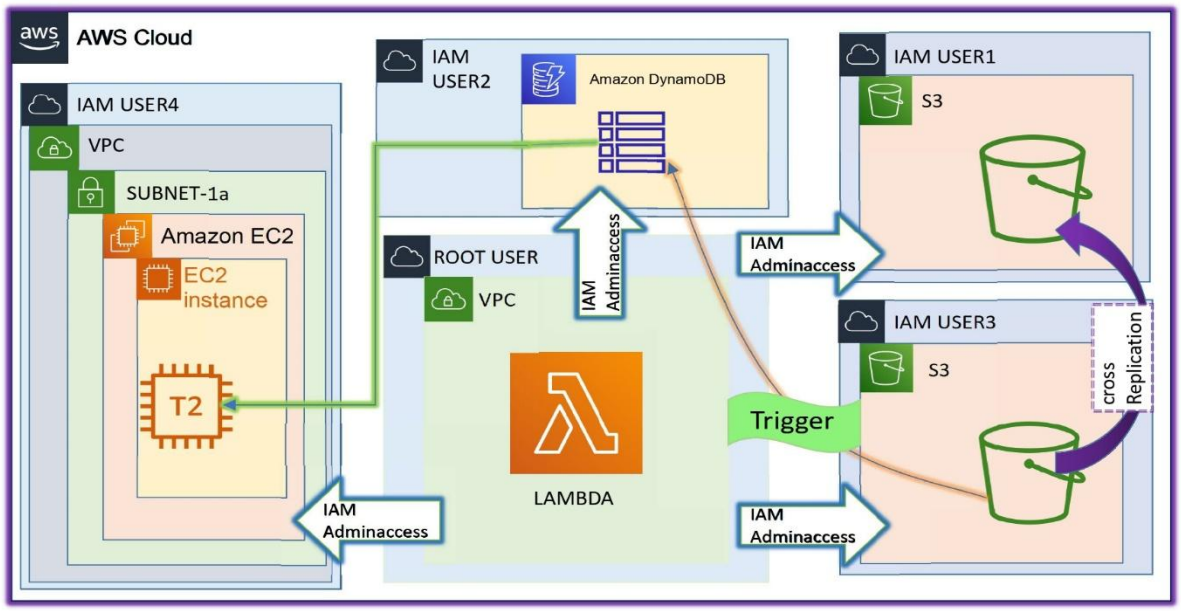
❖ Cost Optimization: By automating instance start, stop, and termination processes, the architecture optimizes resource utilization and reduces unnecessary costs.

The "Cross-Region Data Replication and Instance Management Architecture with AWS Lambda" empowers organizations with efficient data replication, disaster recovery capabilities, and streamlined instance management, enabling them to achieve high availability, data protection, and cost efficiency.

Note: The specific implementation details and configuration settings will depend on the chosen AWS services and tools, the desired level of data replication, and any specific security or compliance requirements of the organization.

Architecture:

The Cross-Region Data Replication and Instance Management Architecture is:



III SERVICES INCLUDED IN ARCHITECTURE

AWS provides a wide variety of services to develop various real-time architectures. Here are the services included in our architecture:

1. Amazon EC2 (Elastic Compute Cloud)

2. Amazon VPC (Virtual Private Cloud)

3. AWS IAM (Identity and Access Management)

4. Amazon S3 (Simple Storage Service)

5. AWS Lambda

6.AWS Dynamodb

The project "Multi-tiered Cloud Infrastructure with AWS IAM: Enabling Data Replication, Lambda Triggers, and EC2 Integration" leverages several AWS features and services to achieve its goals. Here are the key features provided in this project:

AWS Identity and Access Management (IAM): IAM allows for the creation and management of different IAM users with varying access permissions. It enables secure control and management of user identities and access to AWS resources.

Amazon S3 (Simple Storage Service): S3 is a scalable object storage service used for storing and retrieving data. In this project, S3 is utilized for creating multiple S3 buckets that facilitate data storage and replication.

AWS Lambda: Lambda is a serverless compute service that enables running code without provisioning or managing servers. In this project, Lambda functions are used for triggering automated actions and processing data based on events from S3 buckets.

Amazon DynamoDB: DynamoDB is a fully managed NoSQL database service. The second IAM user in the project uses DynamoDB to create and manage a database table that stores data. DynamoDB enables seamless integration with other services like Lambda.

Amazon EC2 (Elastic Compute Cloud): EC2 is a web service that provides resizable compute capacity in the cloud. The fourth IAM user in the project utilizes EC2 to create and manage an EC2 instance that is connected to the DynamoDB table.

Data Replication: The project involves cross-replication between S3 buckets owned by different IAM users. This feature allows for data redundancy, backup, and synchronization between the S3 buckets.

Lambda Triggers: Lambda functions are triggered by events on the S3 buckets. This feature enables automation and the execution of custom code or actions in response to specific events occurring in the S3 buckets.

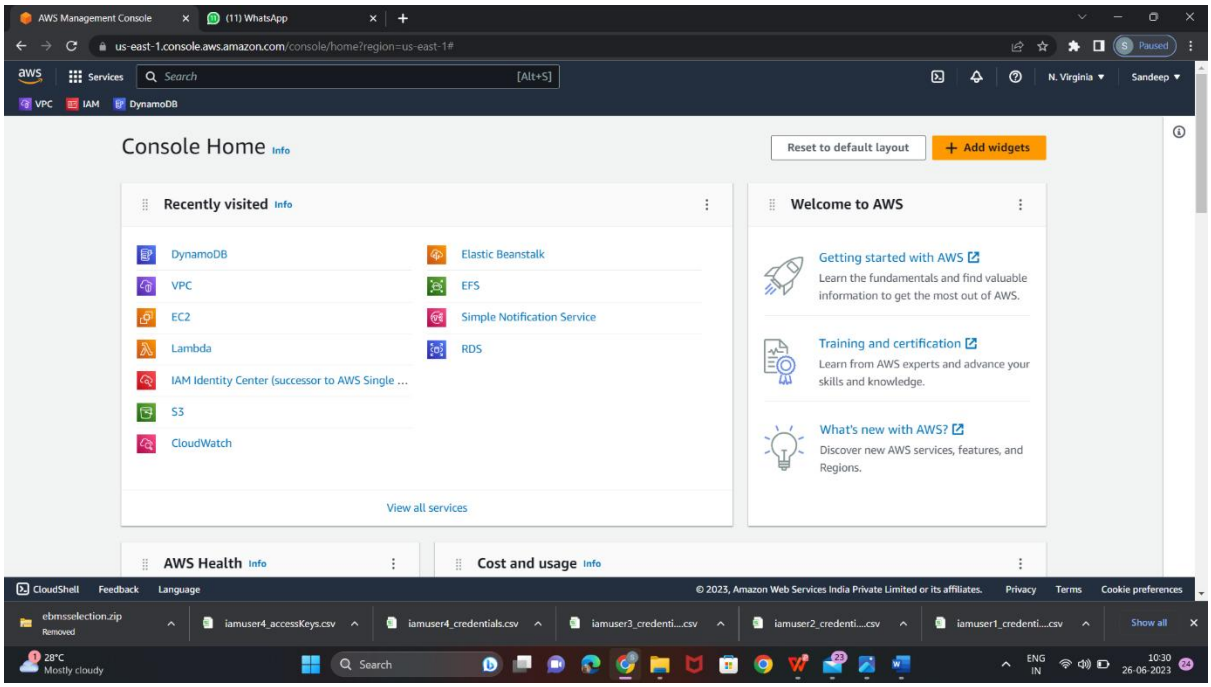
Integration and Interoperability: The project showcases the integration between different AWS services. Specifically, it demonstrates the connection between S3 buckets, Lambda functions, DynamoDB tables, and EC2 instances, enabling seamless data flow and application functionality

IV IMPLEMENTATION

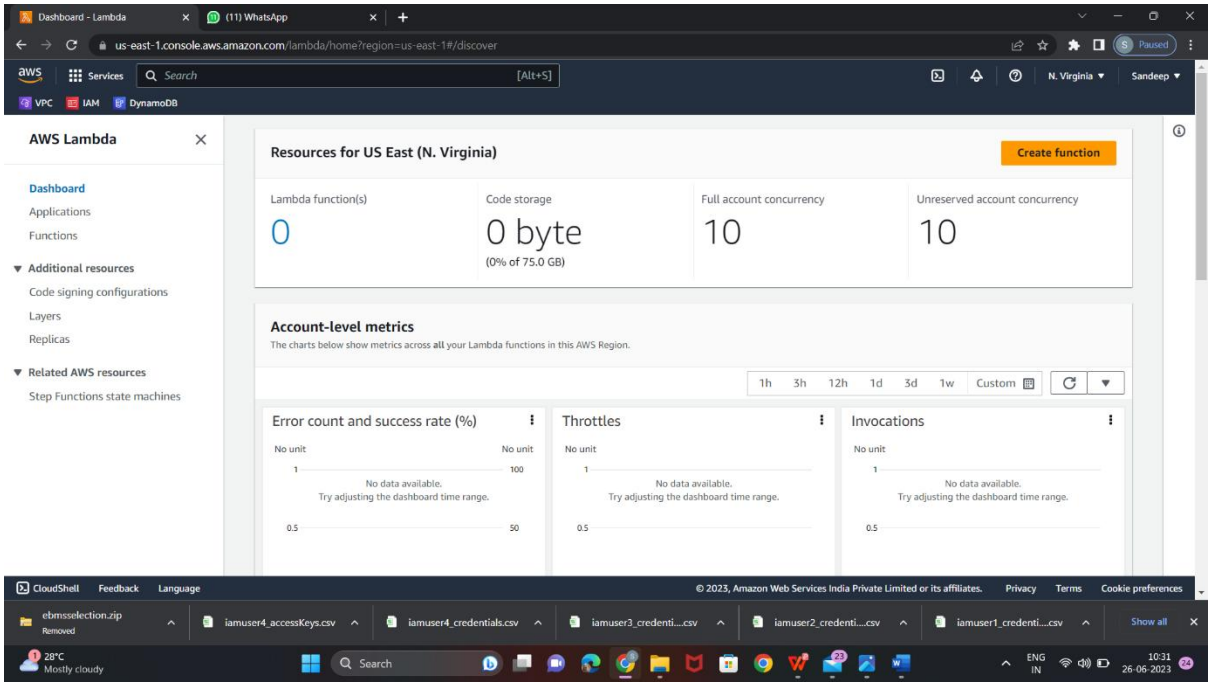
The implementation of the architecture is as follows:

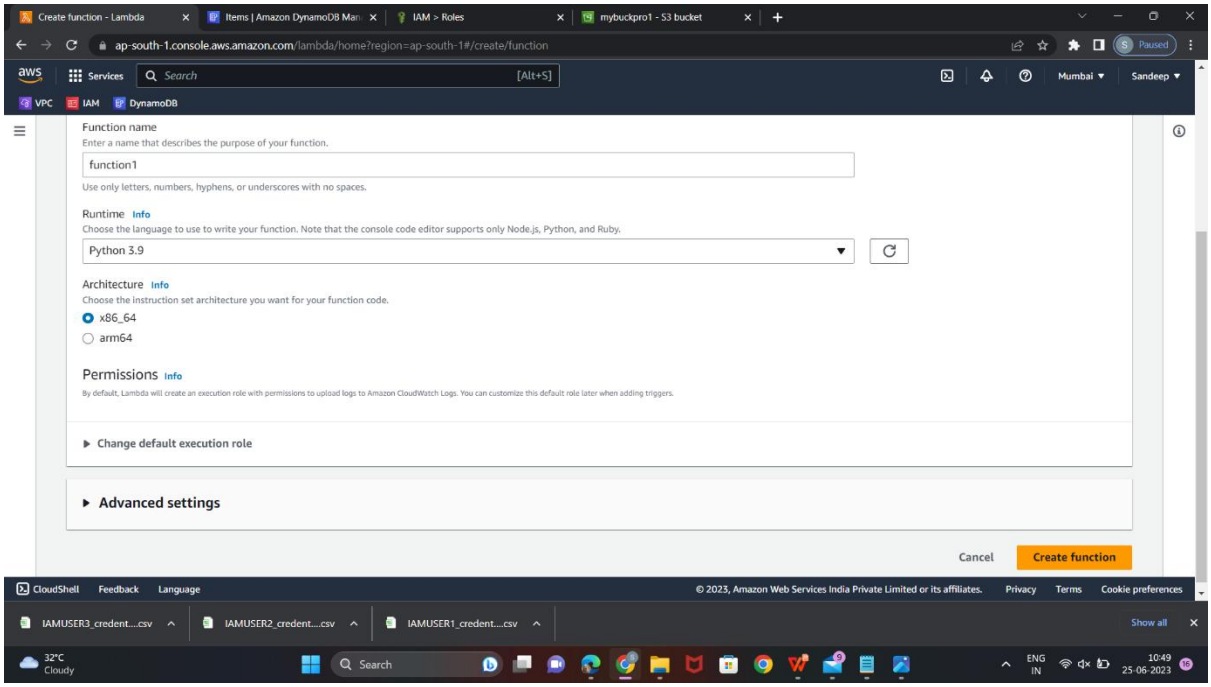
Step 1:Create Lambda Function in root user

Login into your AWS account and open lambda



Create function in aws Lambda




Create function - Lambda
Items | Amazon DynamoDB Man
IAM > Roles
mybuckpro1 - S3 bucket
ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/create/function
Services
Search
[Alt+S]
Mumbai
Sandeep
VPC
IAM
DynamoDB
Function name
Enter a name that describes the purpose of your function.
function1
Use only letters, numbers, hyphens, or underscores with no spaces.
Runtime Info
Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.
Python 3.9
Architecture Info
Choose the instruction set architecture you want for your function code.
x86_64
arm64
Permissions Info
By default, Lambda will create an execution role with permissions to upload logs to Amazon CloudWatch Logs. You can customize this default role later when adding triggers.
Change default execution role
Advanced settings
Cancel
Create function
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
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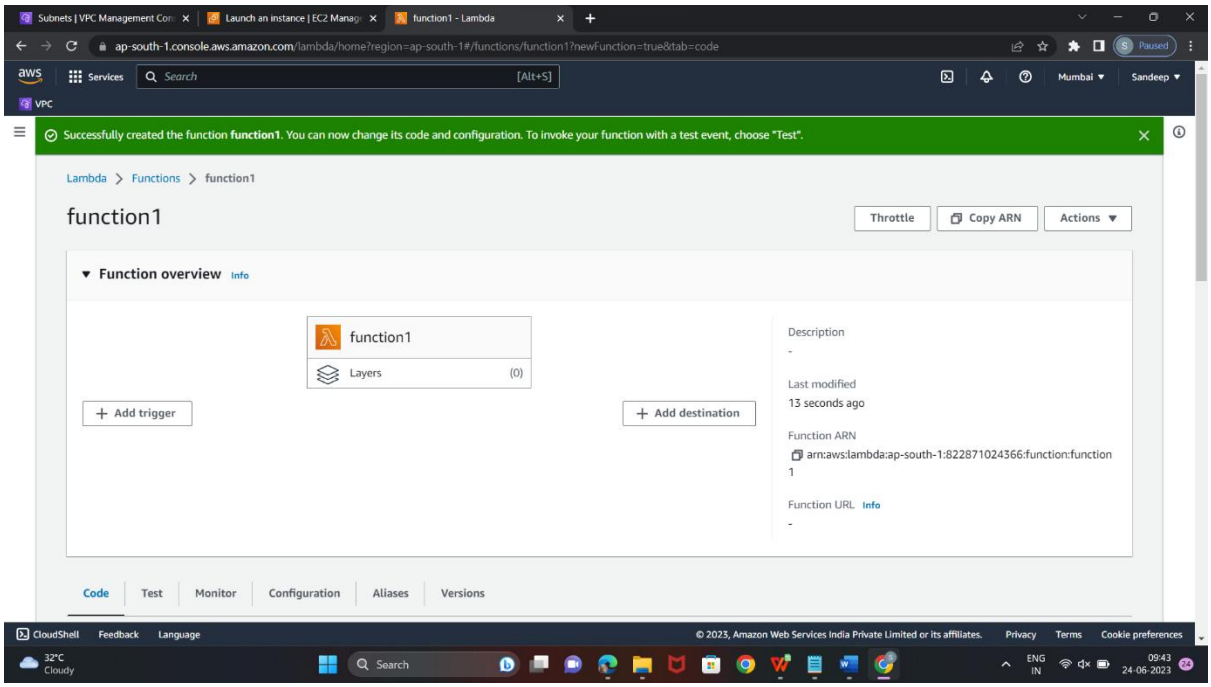
25-06-2023


Subnets | VPC Management Con
Launch an instance | EC2 Manag
function1 - Lambda
ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/function1?newFunction=true&tab=code
Services
Search
[Alt+S]
Mumbai
Sandeep
VPC
Successfully created the function function1. You can now change its code and configuration. To invoke your function with a test event, choose "Test".
Lambda > Functions > function1
function1
Throttle
Copy ARN
Actions
Function overview Info
function1
Layers
(0)
Add trigger
Add destination
Description
-
Last modified
13 seconds ago
Function ARN
arn:aws:lambda:ap-south-1:822871024366:function:function1
Function URL Info
-
Code
Test
Monitor
Configuration
Aliases
Versions
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
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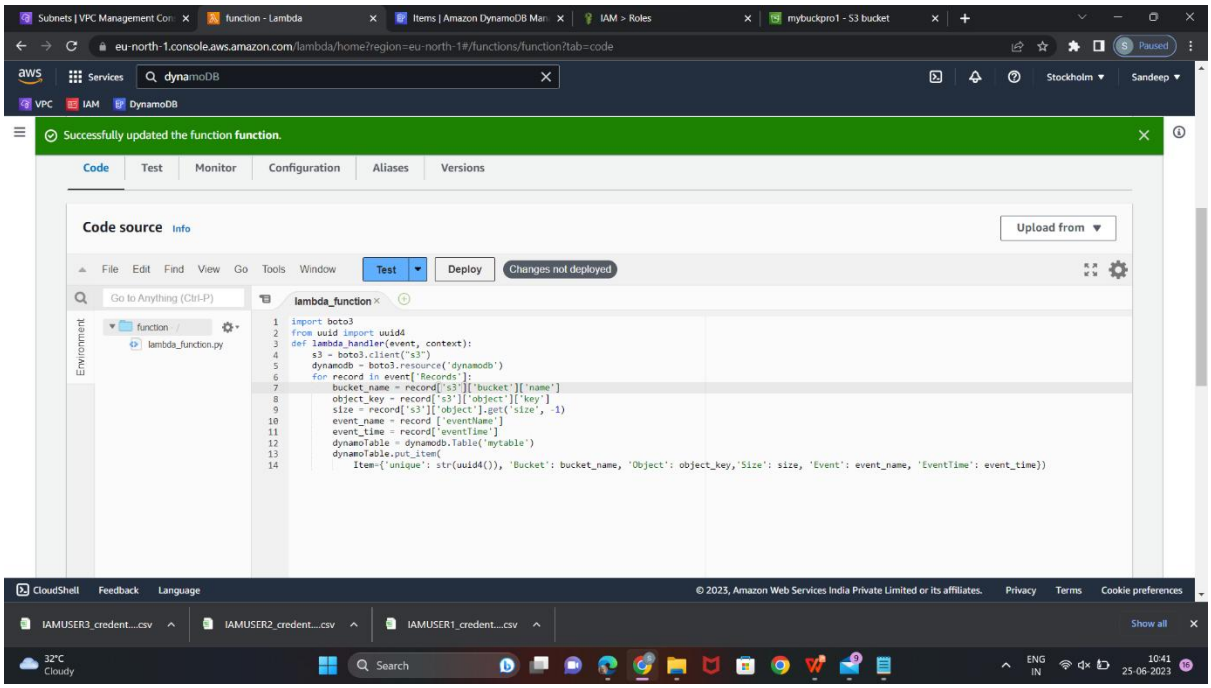
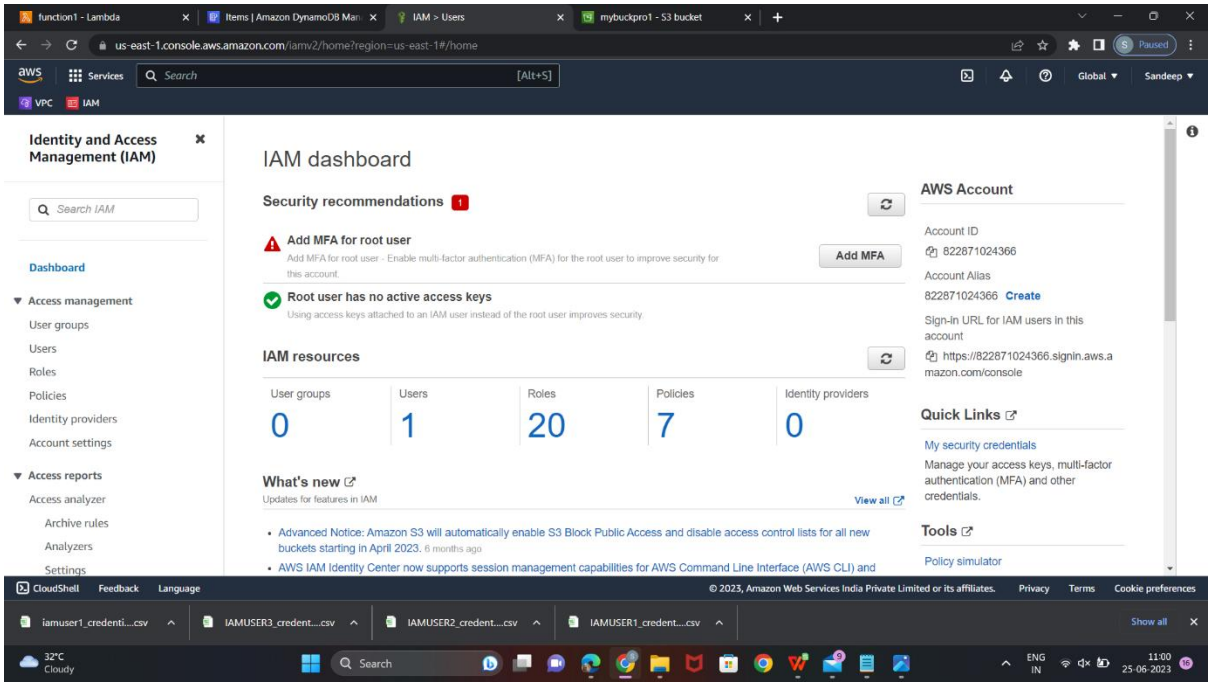
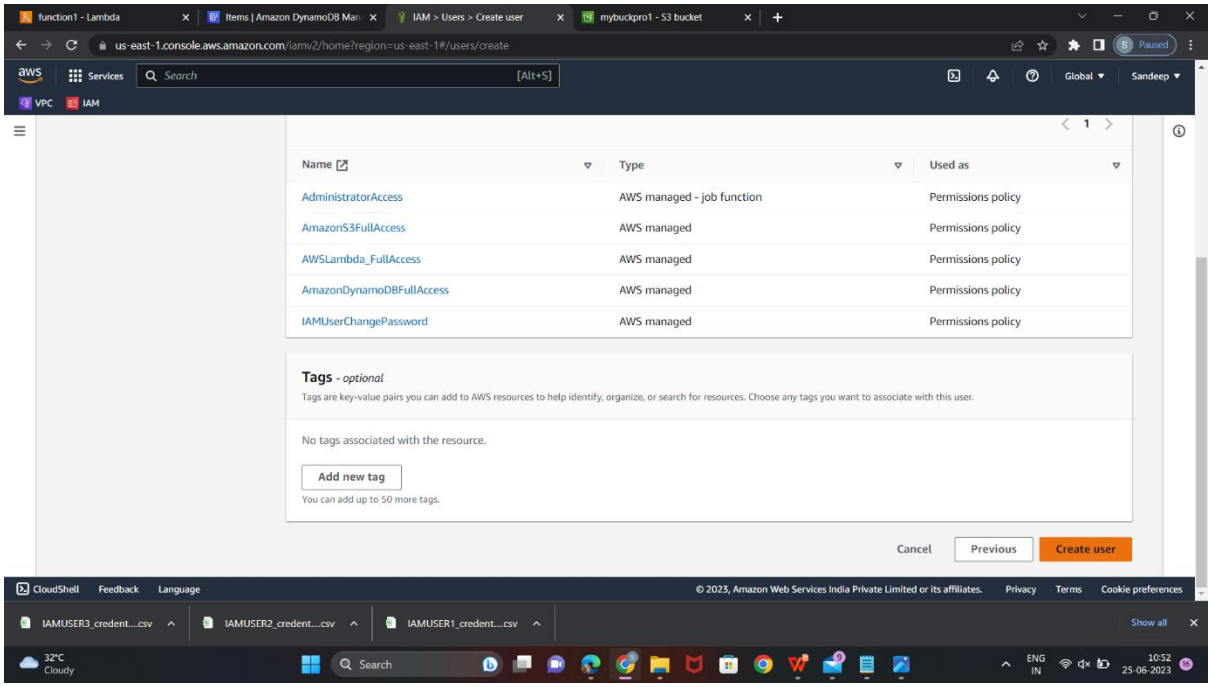
Cloudy
Search
ENG
IN
09:43
24-06-2023

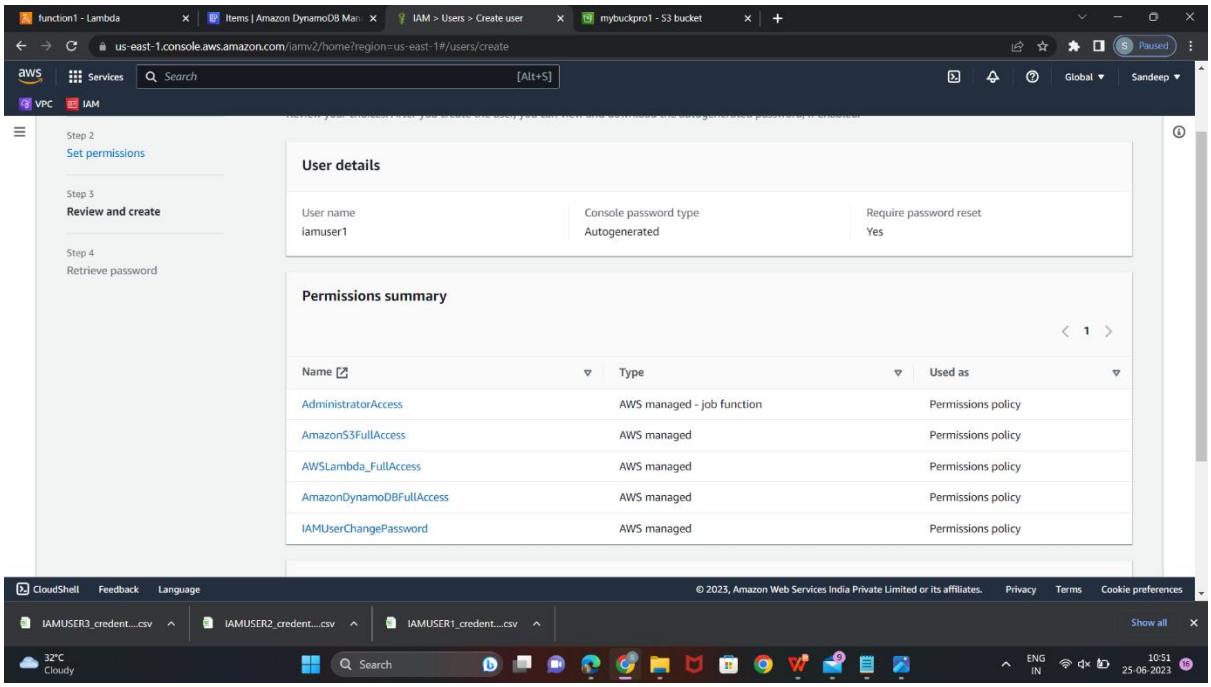
After the function creation go to code and enter trigger code and add table name as dynamo table name and partition key as unique



Step 2:Create an IAM user from root user as iamuser1 and provide admin access




function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
Name
Type
Used as
AdministratorAccess
AWS managed - job function
Permissions policy
AmazonS3FullAccess
AWS managed
Permissions policy
AWSLambda_FullAccess
AWS managed
Permissions policy
AmazonDynamoDBFullAccess
AWS managed
Permissions policy
IAMUserChangePassword
AWS managed
Permissions policy
Tags - optional
Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.
No tags associated with the resource.
Add new tag
You can add up to 50 more tags.
Cancel
Previous
Create user
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
IN
10:52
25-06-2023


function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
User details
User name
iamuser1
Console password type
Autogenerated
Require password reset
Yes
Permissions summary
Name
Type
Used as
AdministratorAccess
AWS managed - job function
Permissions policy
AmazonS3FullAccess
AWS managed
Permissions policy
AWSLambda_FullAccess
AWS managed
Permissions policy
AmazonDynamoDBFullAccess
AWS managed
Permissions policy
IAMUserChangePassword
AWS managed
Permissions policy
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
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IAMUSER3_credent....csv
IAMUSER2_credent....csv
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Show all
32°C
Cloudy
Search
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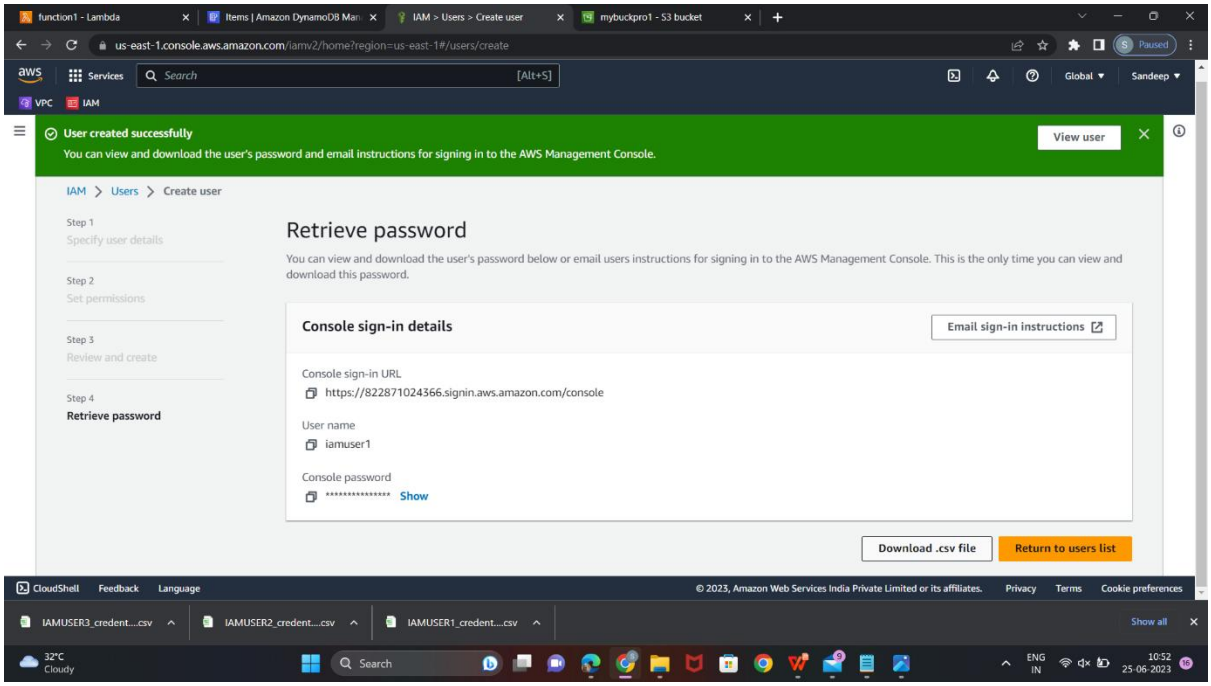
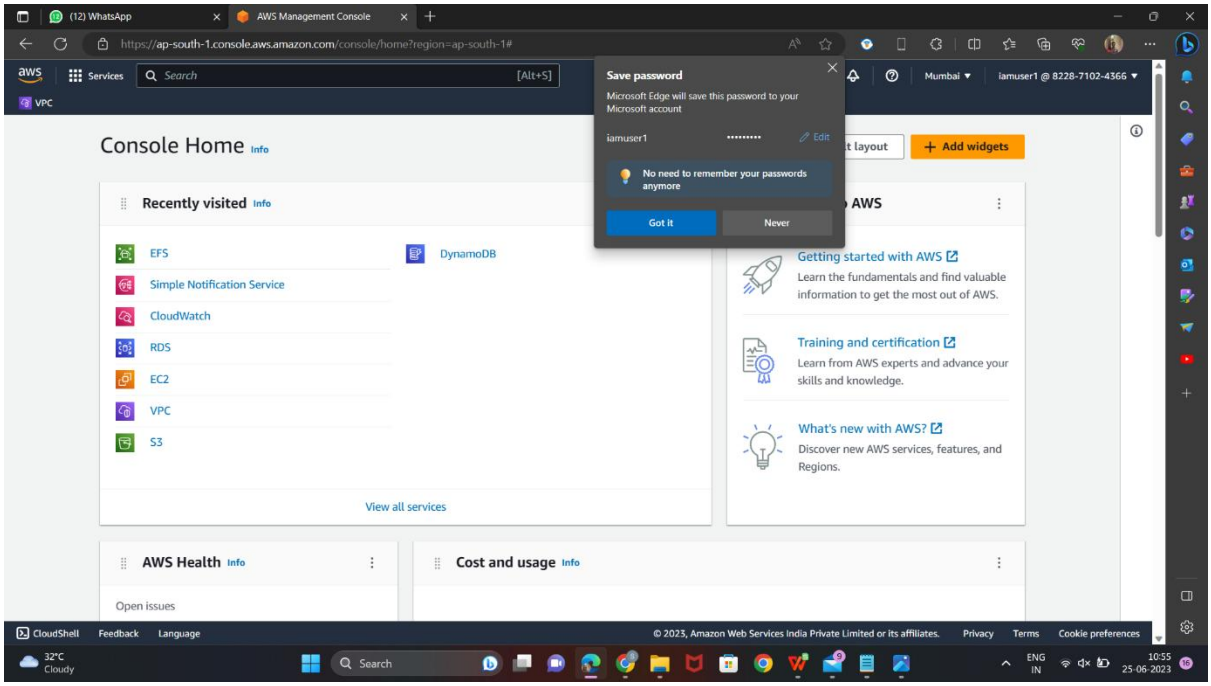
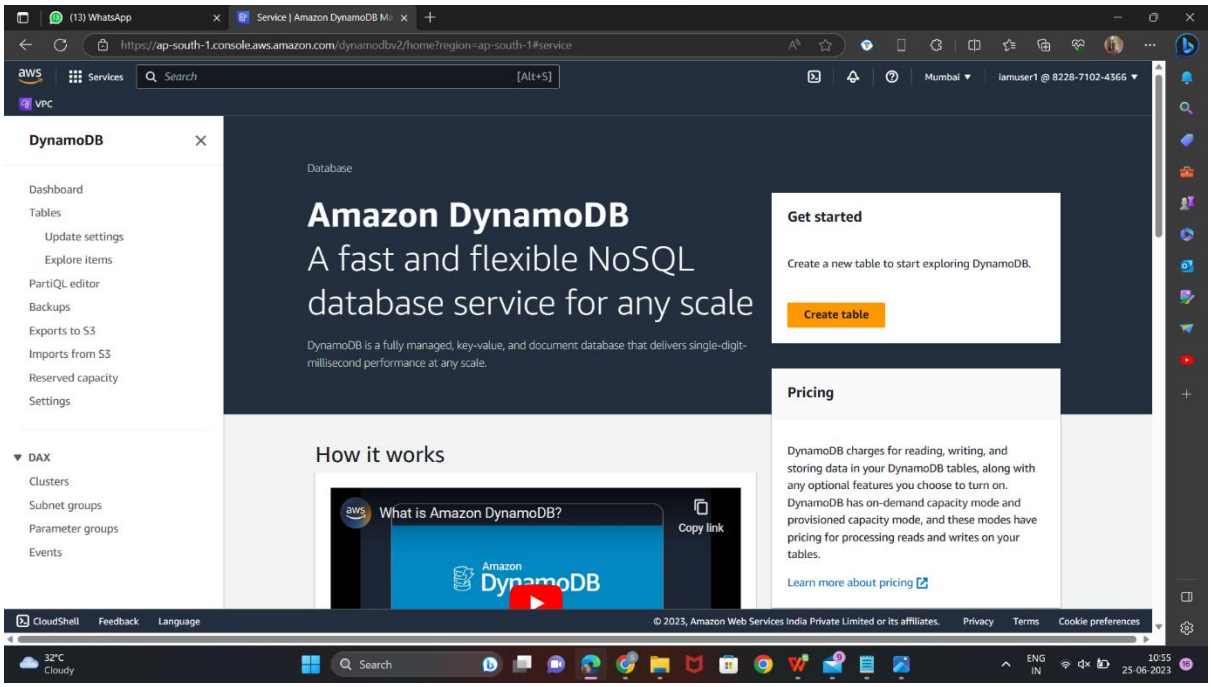
10:51
25-06-2023

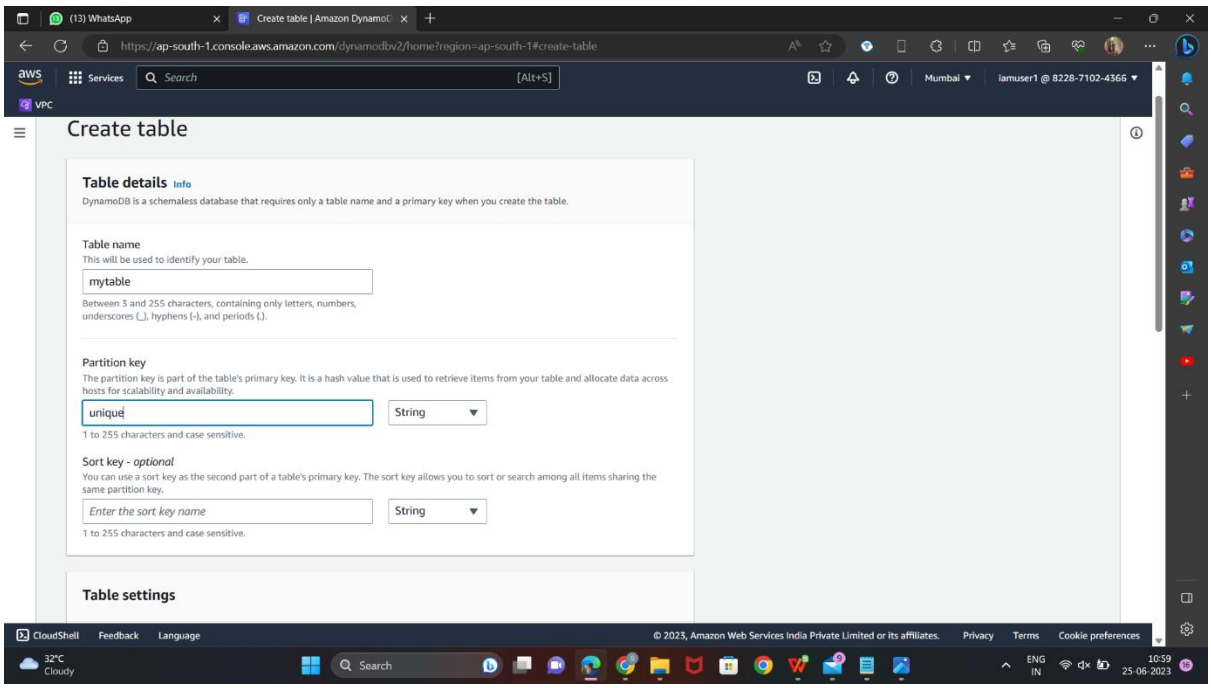


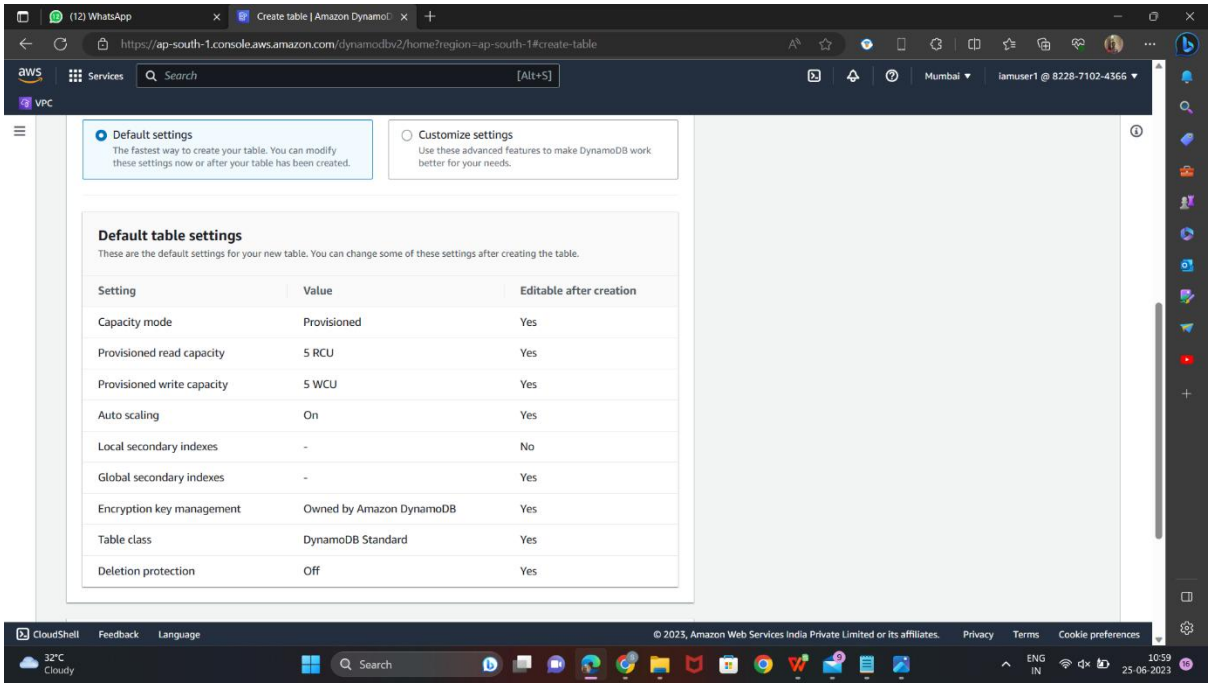
Step 3:After Creation login into iamuser1 and create a table in Dynamodb

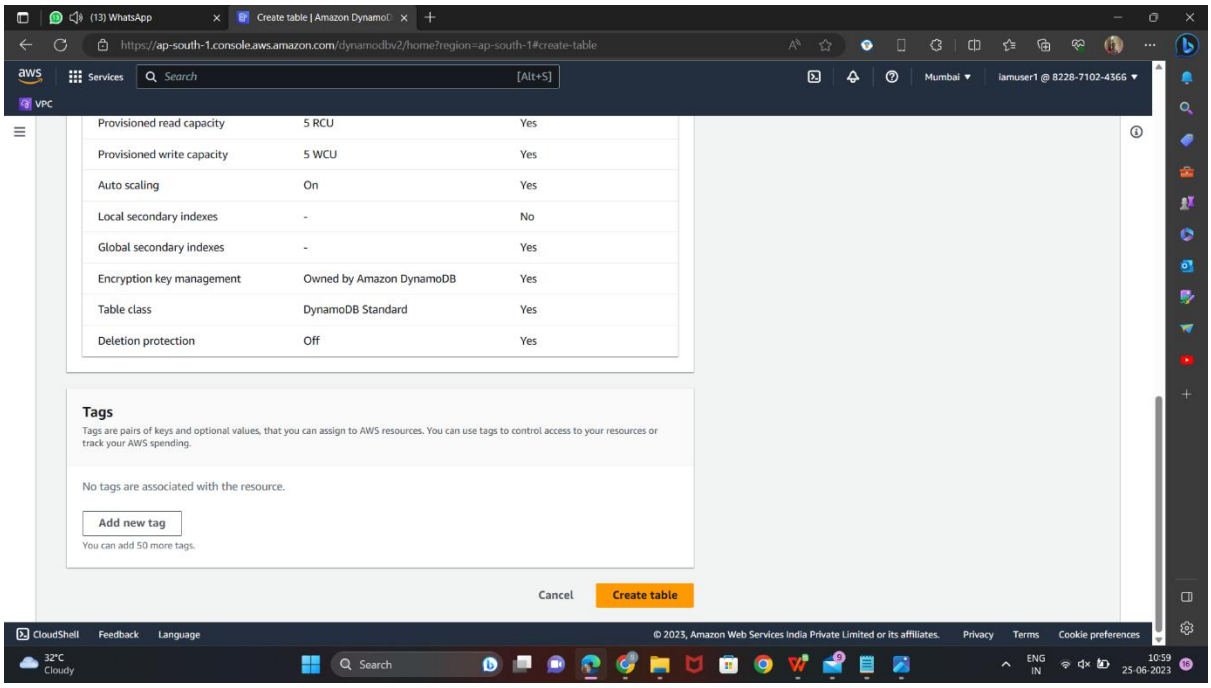


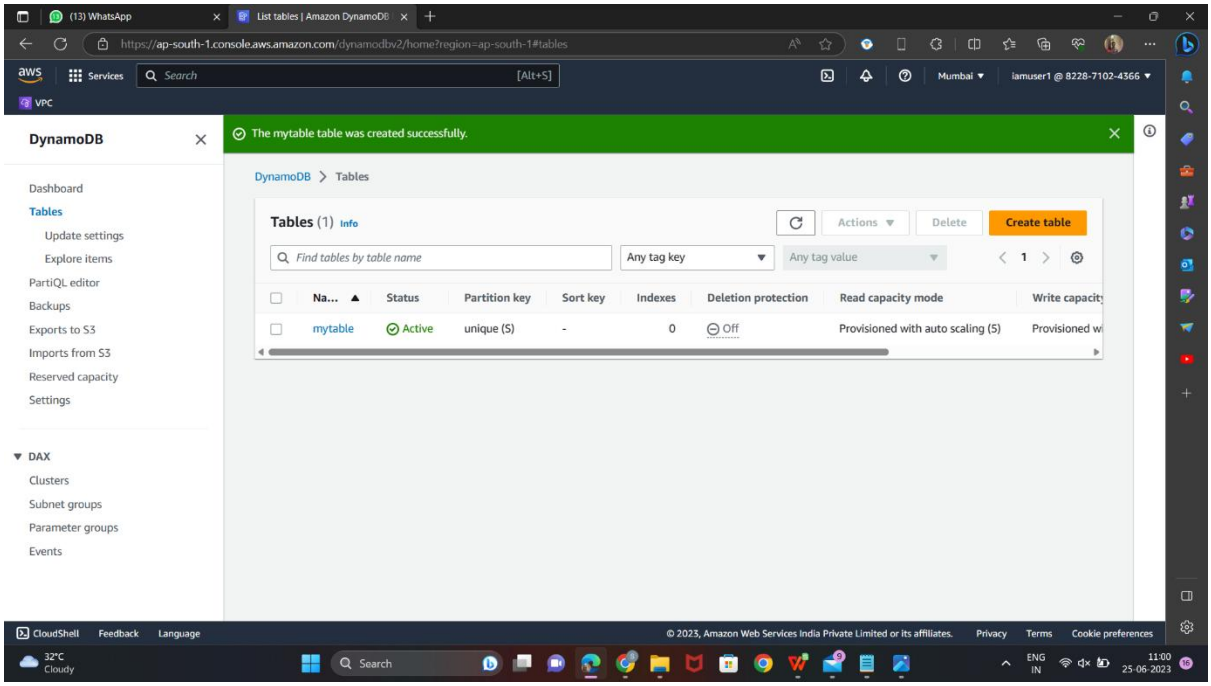
Open Dynamodb and click on create table



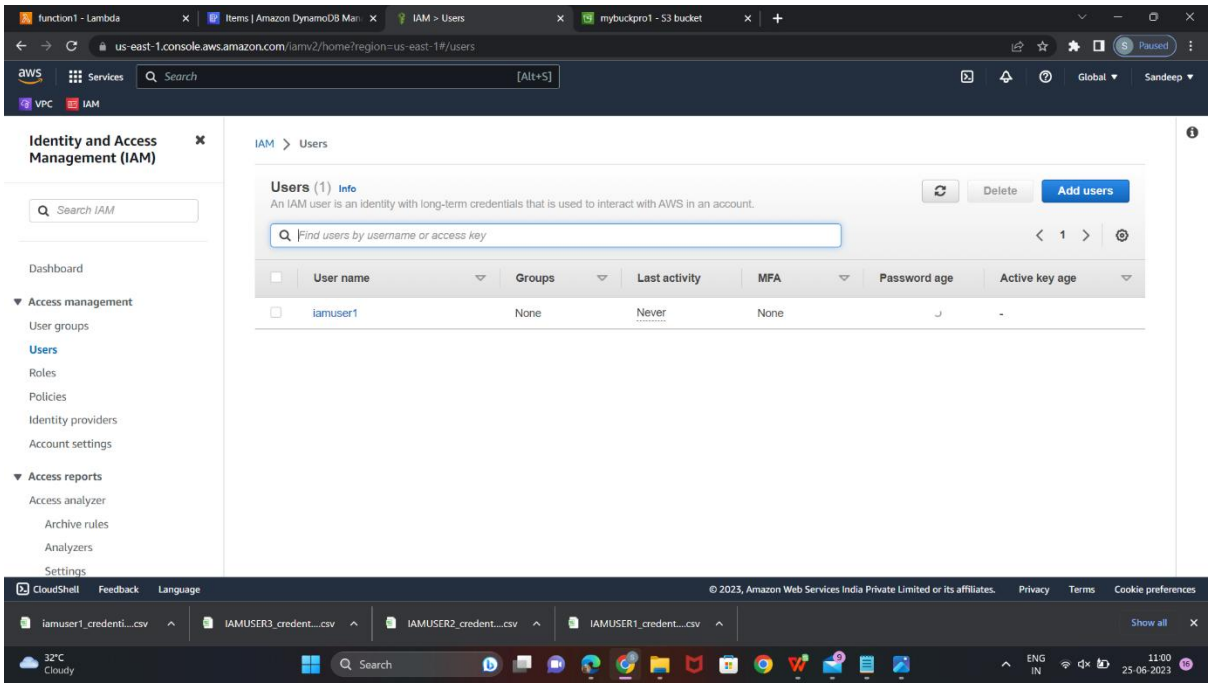


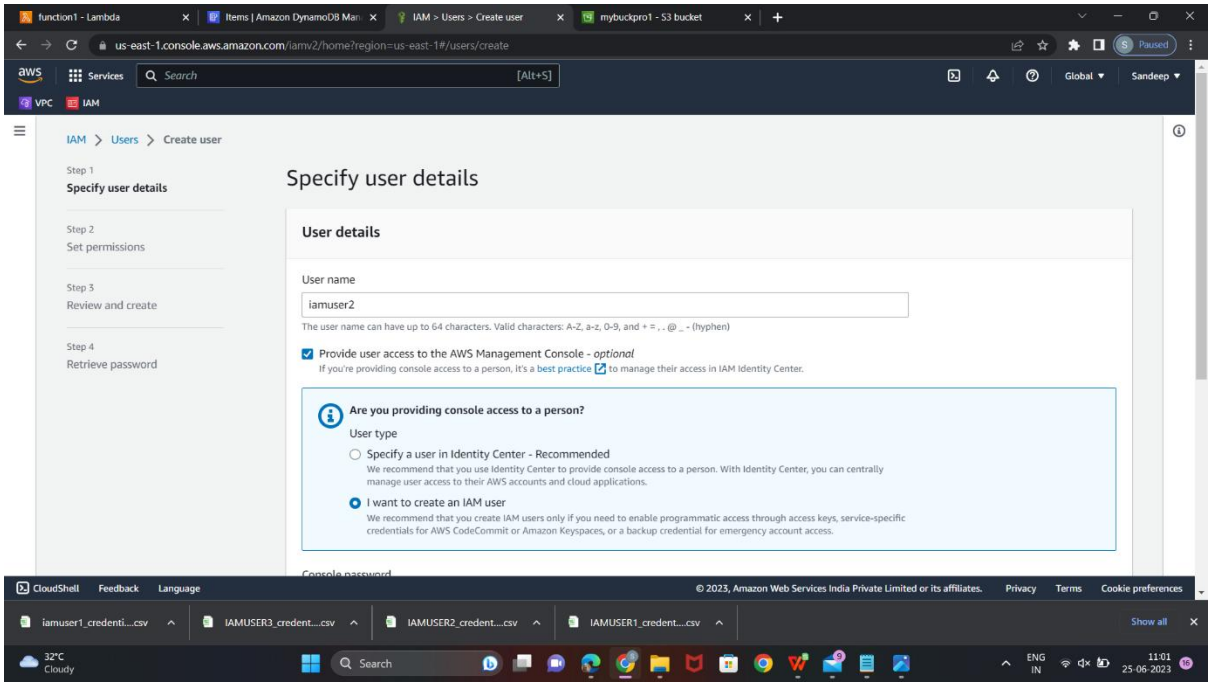

Default settings
The fastest way to create your table. You can modify these settings now or after your table has been created.
Customize settings
Use these advanced features to make DynamoDB work better for your needs.
Default table settings
These are the default settings for your new table. You can change some of these settings after creating the table.
Setting
Value
Editable after creation
Capacity mode
Provisioned
Yes
Provisioned read capacity
5 RCU
Yes
Provisioned write capacity
5 WCU
Yes
Auto scaling
On
Yes
Local secondary indexes
-
No
Global secondary indexes
-
Yes
Encryption key management
Owned by Amazon DynamoDB
Yes
Table class
DynamoDB Standard
Yes
Deletion protection
Off
Yes

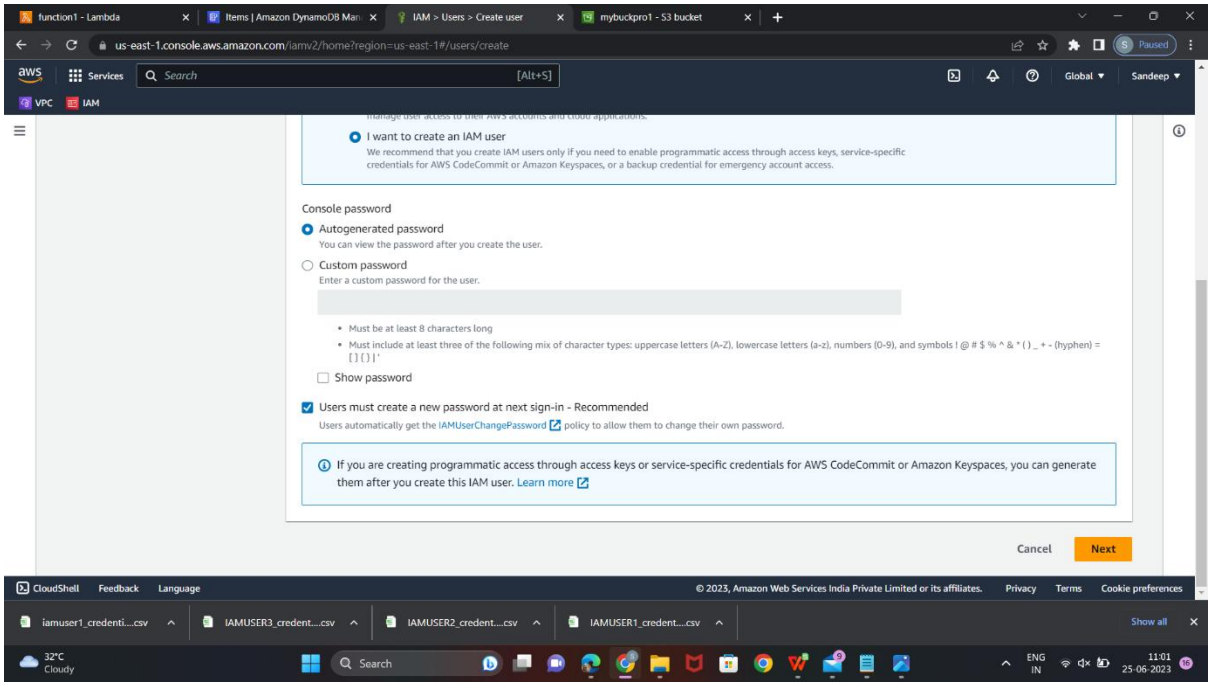

Provisioned read capacity
5 RCU
Yes
Provisioned write capacity
5 WCU
Yes
Auto scaling
On
Yes
Local secondary indexes
-
No
Global secondary indexes
-
Yes
Encryption key management
Owned by Amazon DynamoDB
Yes
Table class
DynamoDB Standard
Yes
Deletion protection
Off
Yes
Tags
Tags are pairs of keys and optional values, that you can assign to AWS resources. You can use tags to control access to your resources or track your AWS spending.
No tags are associated with the resource.
Add new tag
You can add 50 more tags.
Cancel
Create table



Step 4:Create an another IAM user as iamuser2 and give admin access




function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
Specify user details
User details
User name
iamuser2
The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)
Provide user access to the AWS Management Console - optional
If you're providing console access to a person, it's a best practice to manage their access in IAM Identity Center.
Are you providing console access to a person?
User type
Specify a user in Identity Center - Recommended
We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.
I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.
Console password
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
IN
11:01
25-06-2023


function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.
Console password
Autogenerated password
You can view the password after you create the user.
Custom password
Enter a custom password for the user.
Must be at least 8 characters long
Must include at least three of the following mix of character types: uppercase letters (A-Z), lowercase letters (a-z), numbers (0-9), and symbols ! @ # $ % ^ & * ( ) _ + - (hyphen) = [ ] { } |'
Show password
Users must create a new password at next sign-in - Recommended
Users automatically get the IAMUserChangePassword policy to allow them to change their own password.
If you are creating programmatic access through access keys or service-specific credentials for AWS CodeCommit or Amazon Keyspaces, you can generate them after you create this IAM user. Learn more
Cancel
Next
CloudShell
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Language
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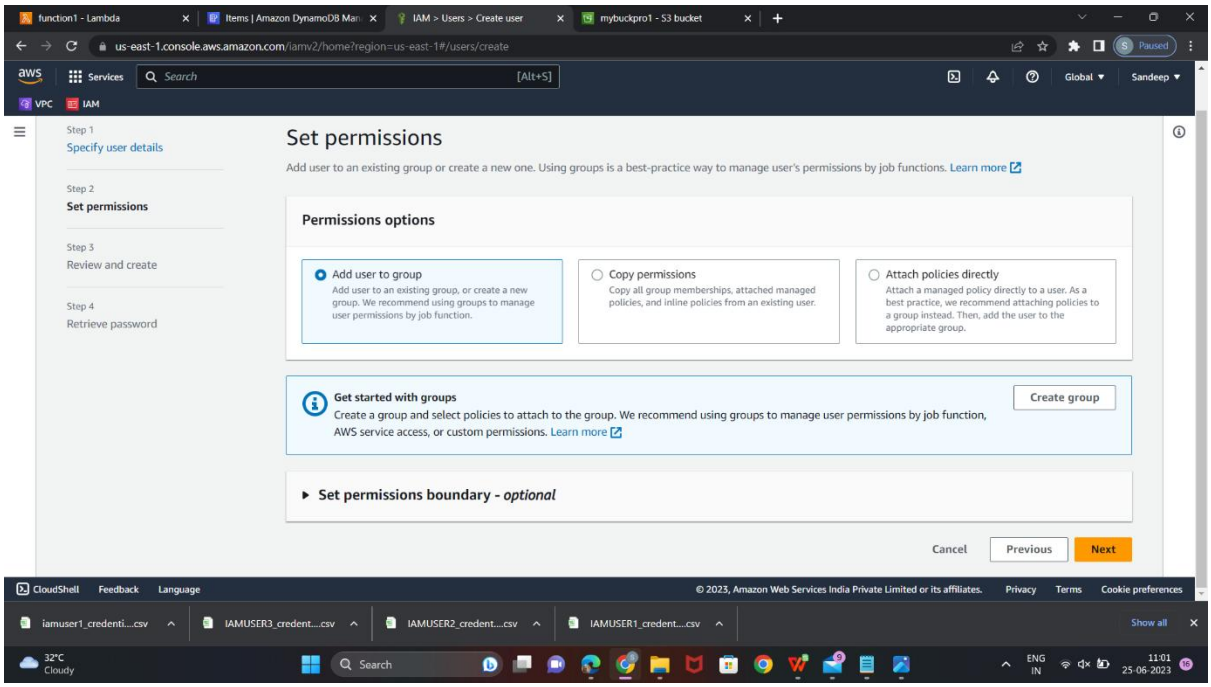
Privacy
Terms
Cookie preferences
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
IN
11:01
25-06-2023


function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
Set permissions
Add user to an existing group or create a new one. Using groups is a best-practice way to manage user's permissions by job functions. Learn more
Permissions options
Add user to group
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.
Copy permissions
Copy all group memberships, attached managed policies, and inline policies from an existing user.
Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.
Get started with groups
Create a group and select policies to attach to the group. We recommend using groups to manage user permissions by job function, AWS service access, or custom permissions. Learn more
Create group
Set permissions boundary - optional
Cancel
Previous
Next
CloudShell
Feedback
Language
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Terms
Cookie preferences
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
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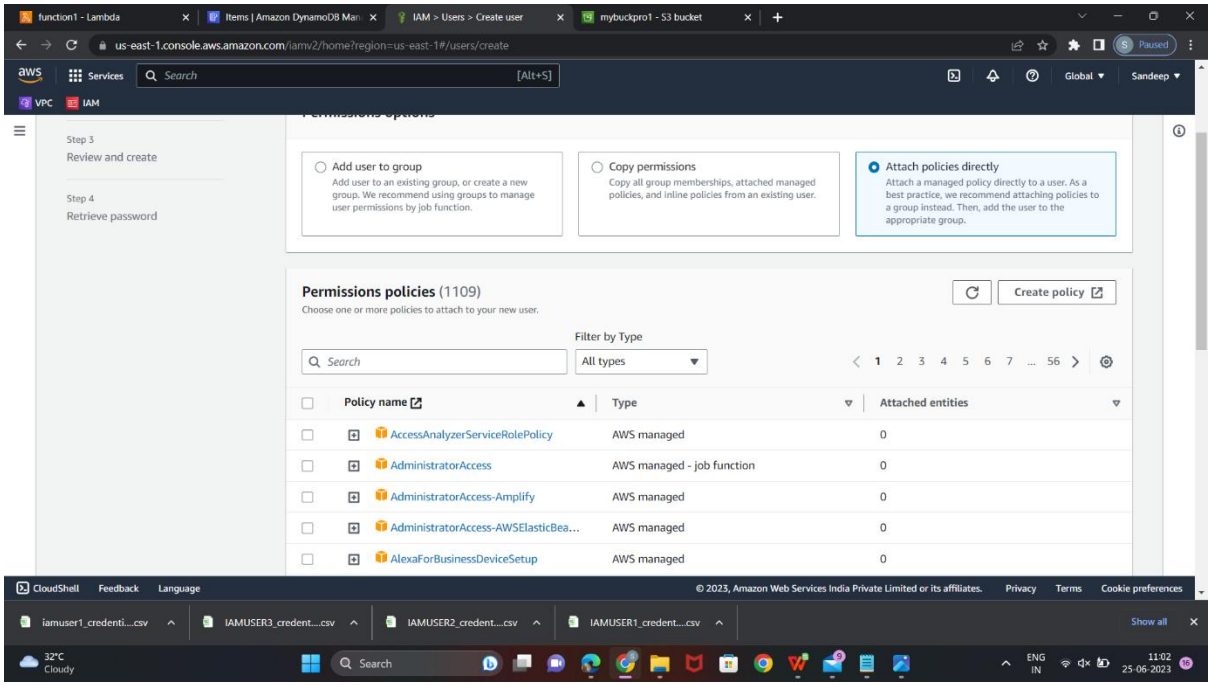
25-06-2023


function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
Step 3
Review and create
Step 4
Retrieve password
Add user to group
Add user to an existing group, or create a new group. We recommend using groups to manage user permissions by job function.
Copy permissions
Copy all group memberships, attached managed policies, and inline policies from an existing user.
Attach policies directly
Attach a managed policy directly to a user. As a best practice, we recommend attaching policies to a group instead. Then, add the user to the appropriate group.
Permissions policies (1109)
Choose one or more policies to attach to your new user.
Create policy
Filter by Type
Search
All types
1 2 3 4 5 6 7 ... 56
Policy name
Type
Attached entities
AccessAnalyzerServiceRolePolicy
AWS managed
0
AdministratorAccess
AWS managed - job function
0
AdministratorAccess-Amplify
AWS managed
0
AdministratorAccess-AWSElasticBea...
AWS managed
0
AlexaForBusinessDeviceSetup
AWS managed
0
CloudShell
Feedback
Language
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Terms
Cookie preferences
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
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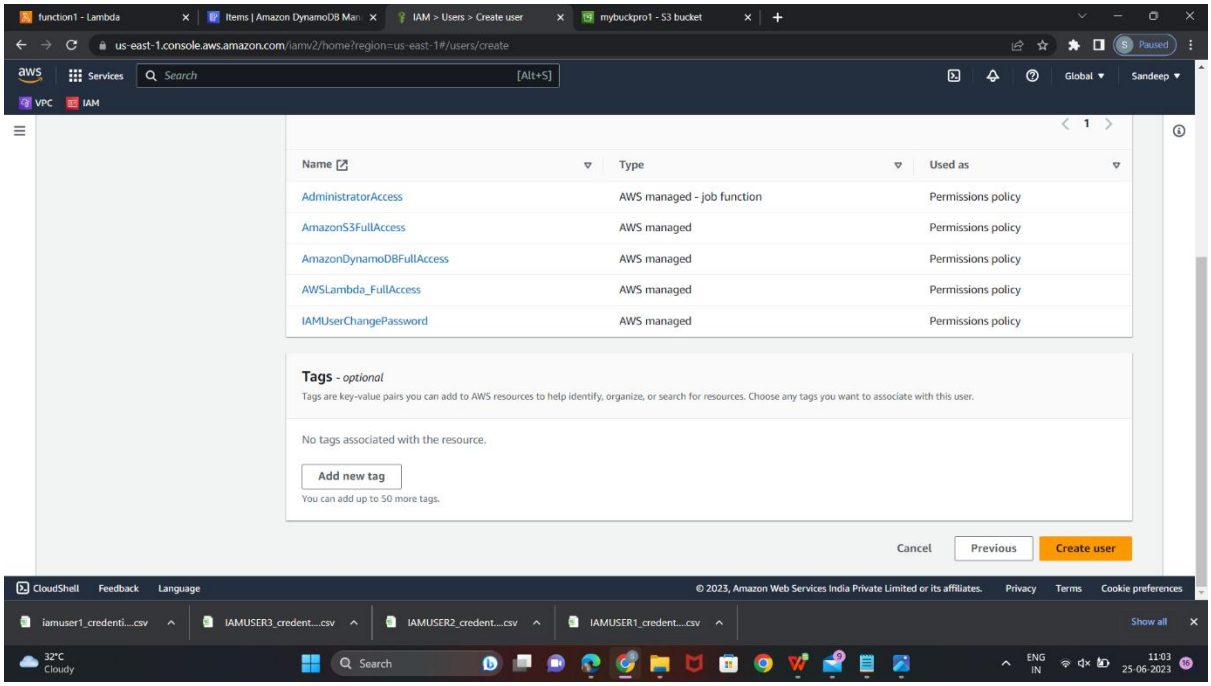
Cloudy
Search
ENG
IN
11:02
25-06-2023


function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
Name
Type
Used as
AdministratorAccess
AWS managed - job function
Permissions policy
AmazonS3FullAccess
AWS managed
Permissions policy
AmazonDynamoDBFullAccess
AWS managed
Permissions policy
AWSLambda_FullAccess
AWS managed
Permissions policy
IAMUserChangePassword
AWS managed
Permissions policy
Tags - optional
Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.
No tags associated with the resource.
Add new tag
You can add up to 50 more tags.
Cancel
Previous
Create user
CloudShell
Feedback
Language
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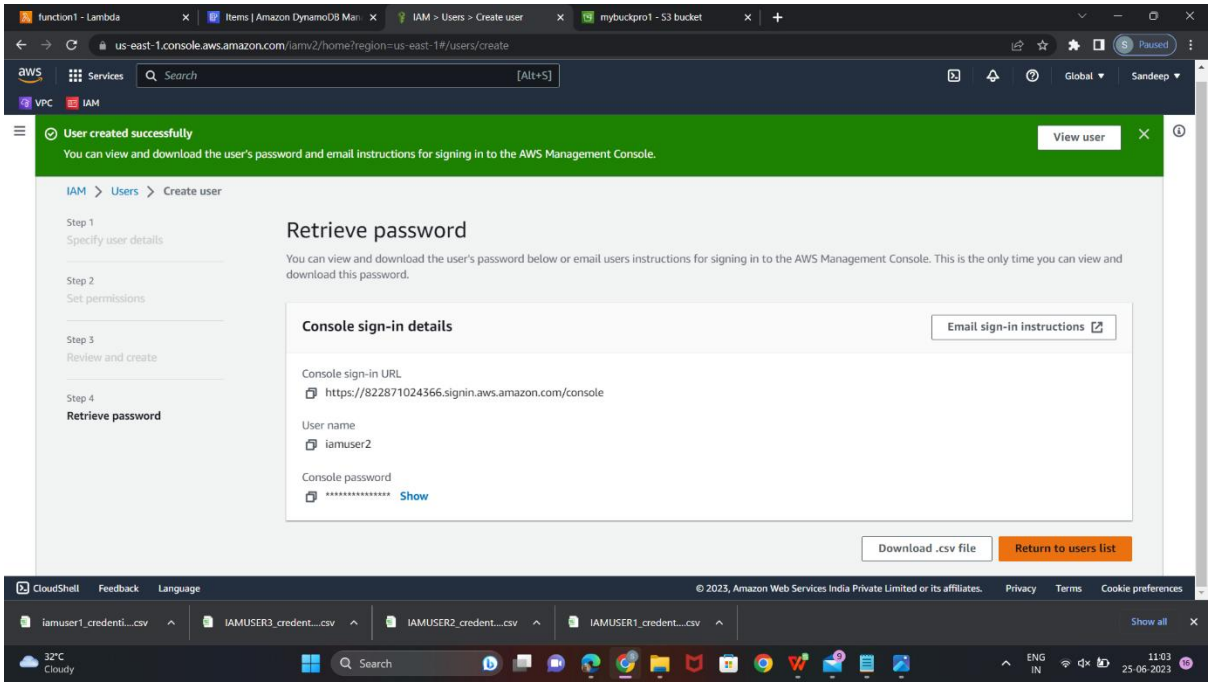
function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
User created successfully
You can view and download the user's password and email instructions for signing in to the AWS Management Console.
View user
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
Retrieve password
You can view and download the user's password below or email users instructions for signing in to the AWS Management Console. This is the only time you can view and download this password.
Console sign-in details
Email sign-in instructions
Console sign-in URL
https://822871024366.signin.aws.amazon.com/console
User name
iamuser2
Console password
********** Show
Download .csv file
Return to users list
CloudShell
Feedback
Language
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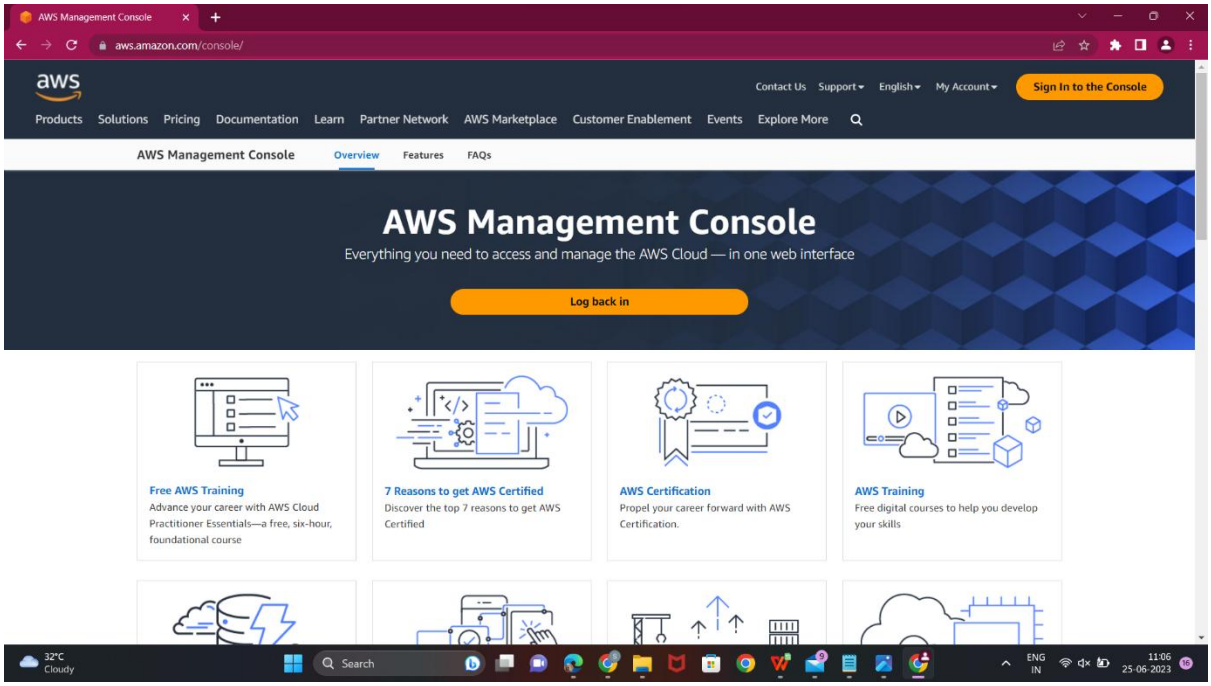
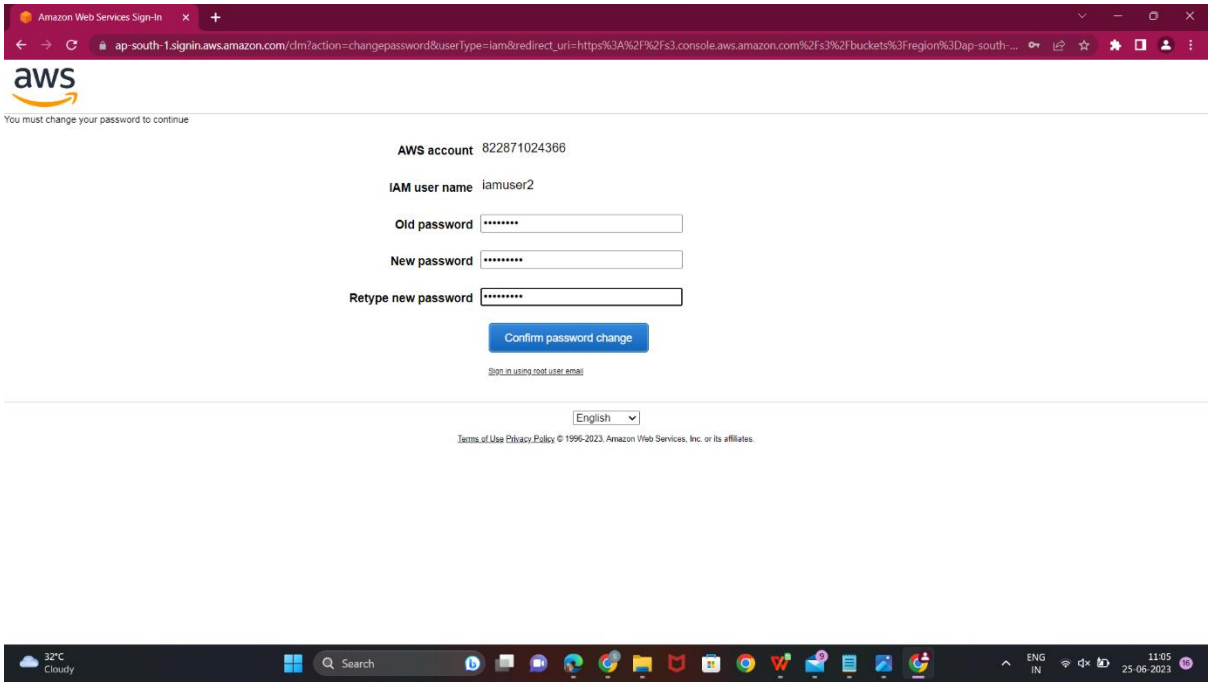
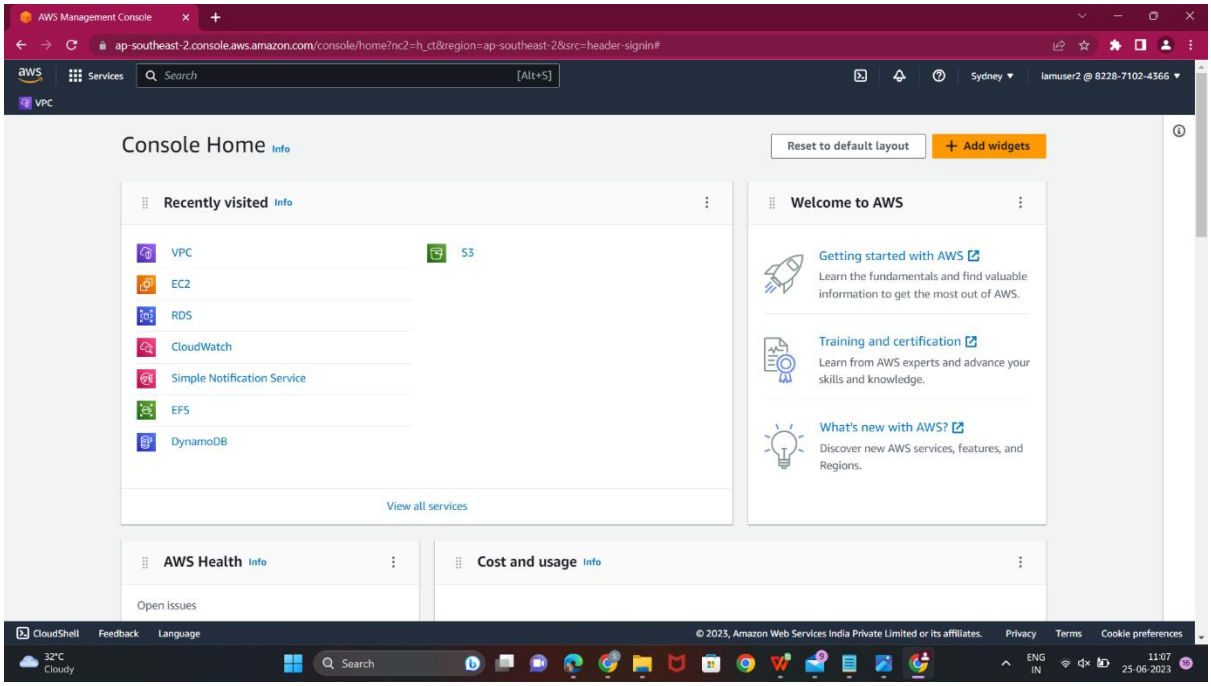
Step 5:After login as iamuser2 Create an S3 Bucket as mybuckpro2






AWS Management Console
ap-southeast-2.console.aws.amazon.com/console/home?nc2=h_ct&region=ap-southeast-2&src=header-signin#
Services
Search
[Alt+S]
Sydney
iamuser2 @ 8228-7102-4366
VPC
Console Home Info
Reset to default layout
+ Add widgets
Recently visited Info
VPC
S3
EC2
RDS
CloudWatch
Simple Notification Service
EFS
DynamoDB
View all services
Welcome to AWS
Getting started with AWS
Learn the fundamentals and find valuable information to get the most out of AWS.
Training and certification
Learn from AWS experts and advance your skills and knowledge.
What's new with AWS?
Discover new AWS services, features, and Regions.
AWS Health Info
Open issues
Cost and usage Info
CloudShell
Feedback
Language
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Cloudy
Search
ENG
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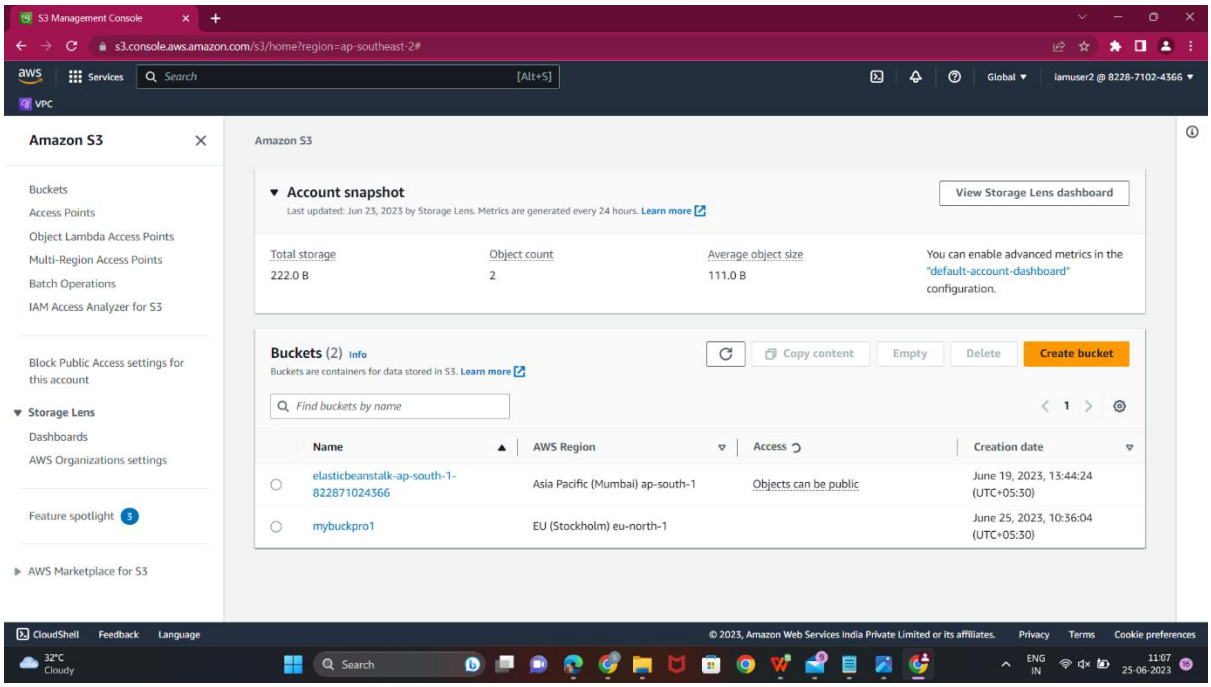
S3 Management Console
s3.console.aws.amazon.com/s3/home?region=ap-southeast-2#
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
Amazon S3
Account snapshot
Last updated: Jun 23, 2023 by Storage Lens. Metrics are generated every 24 hours. Learn more
View Storage Lens dashboard
Total storage
222.0 B
Object count
2
Average object size
111.0 B
You can enable advanced metrics in the "default-account-dashboard" configuration.
Buckets (2) Info
Buckets are containers for data stored in S3. Learn more
Copy content
Empty
Delete
Create bucket
Find buckets by name
Name
AWS Region
Access
Creation date
elasticbeanstalk-ap-south-1-822871024366
Asia Pacific (Mumbai) ap-south-1
Objects can be public
June 19, 2023, 13:44:24 (UTC+05:30)
mybuckpro1
EU (Stockholm) eu-north-1
June 25, 2023, 10:36:04 (UTC+05:30)
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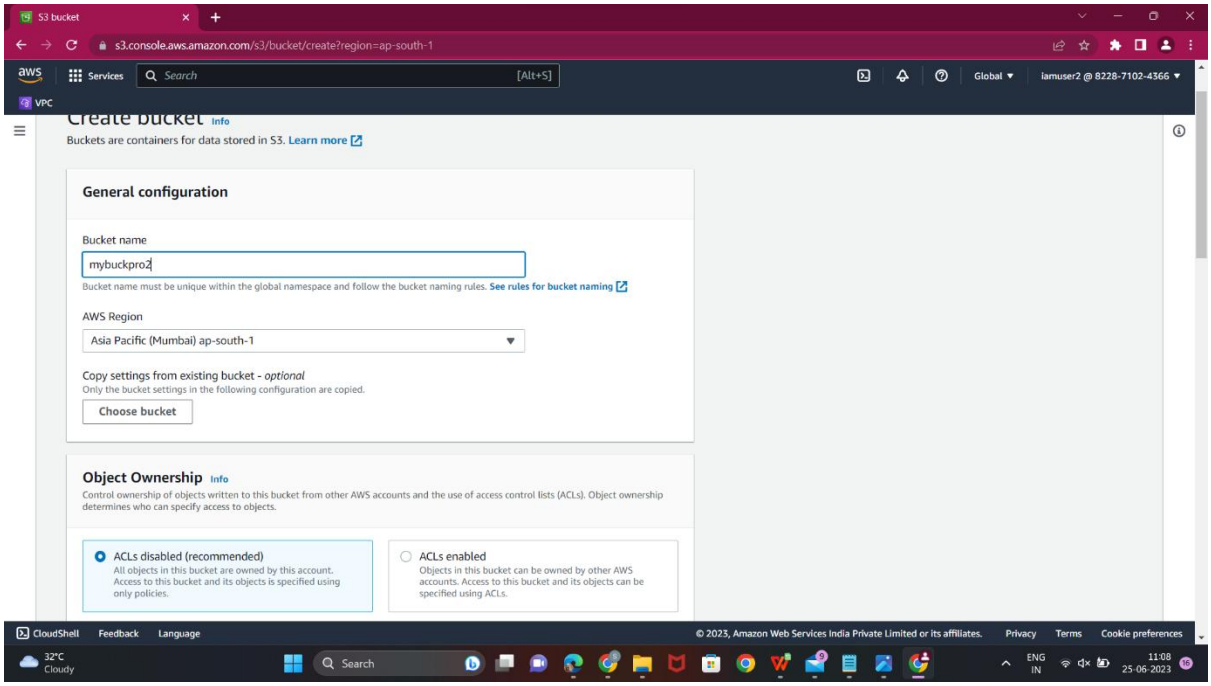
S3 bucket
s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Create bucket Info
Buckets are containers for data stored in S3. Learn more
General configuration
Bucket name
mybuckpro2
Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming
AWS Region
Asia Pacific (Mumbai) ap-south-1
Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
Choose bucket
Object Ownership Info
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.
ACLs disabled (recommended)
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.
ACLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.
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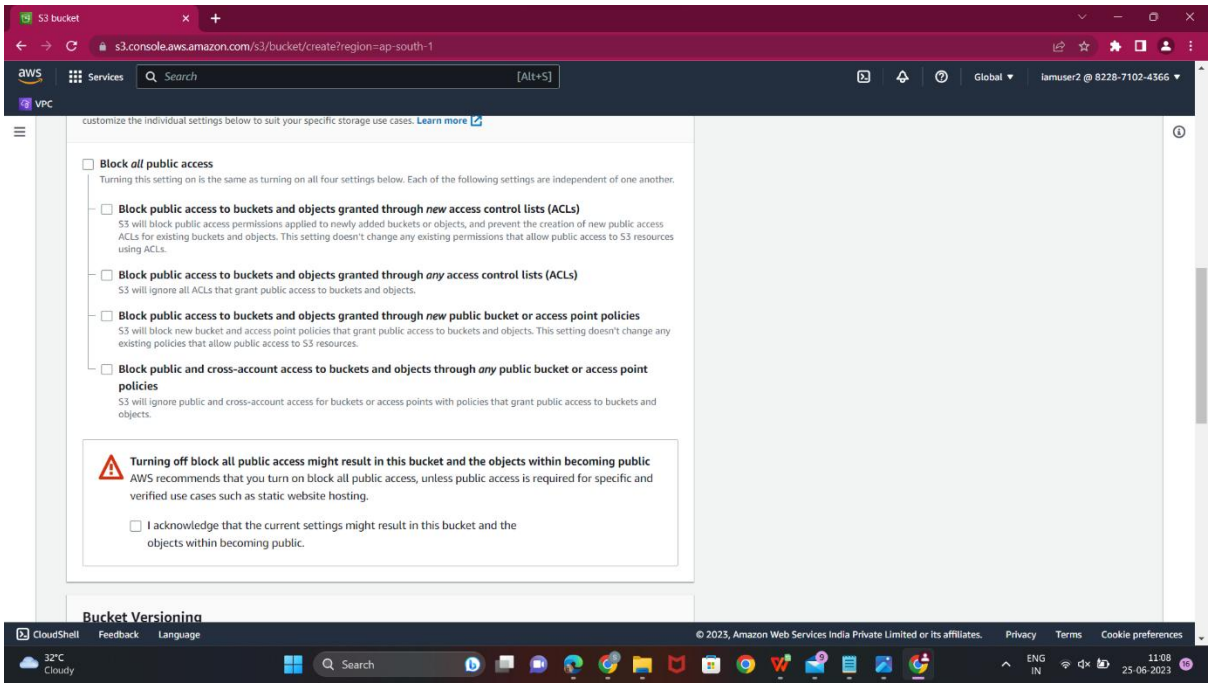
S3 bucket
s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
customize the individual settings below to suit your specific storage use cases. Learn more
Block all public access
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.
Block public access to buckets and objects granted through new access control lists (ACLs)
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.
Block public access to buckets and objects granted through new public bucket or access point policies
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
Block public and cross-account access to buckets and objects through any public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.
Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.
I acknowledge that the current settings might result in this bucket and the objects within becoming public.
Bucket Versioning
CloudShell
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Language
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11:08
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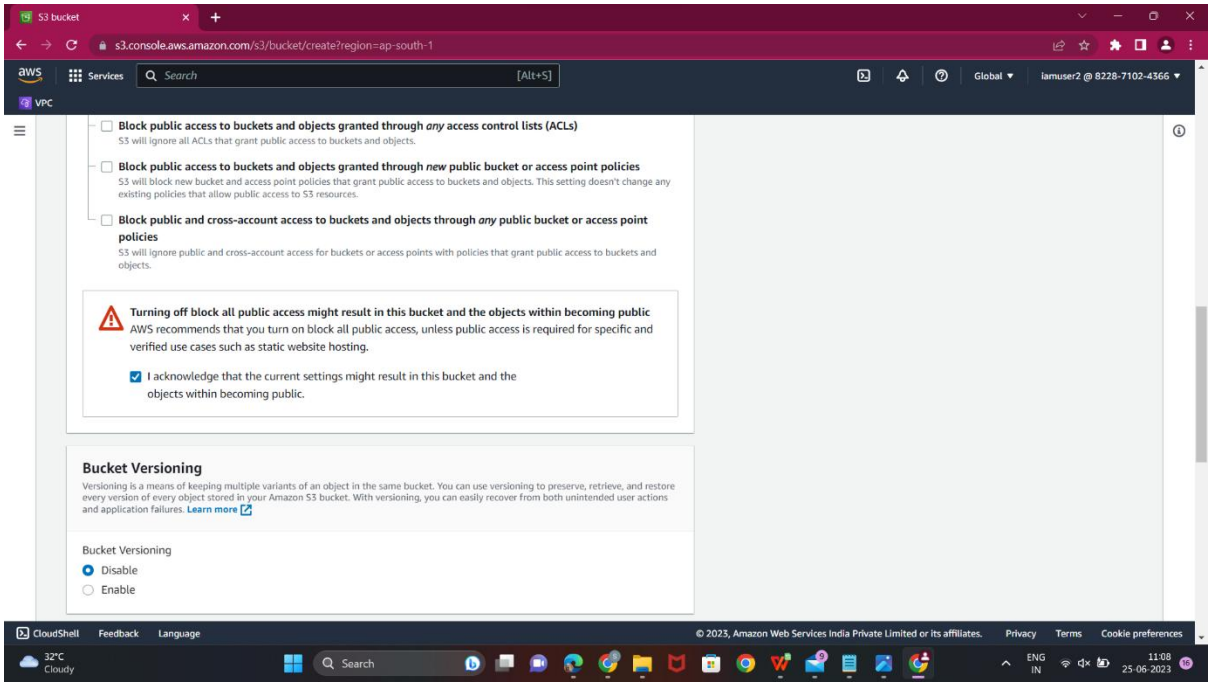
S3 bucket
s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.
Block public access to buckets and objects granted through new public bucket or access point policies
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
Block public and cross-account access to buckets and objects through any public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.
Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.
I acknowledge that the current settings might result in this bucket and the objects within becoming public.
Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more
Bucket Versioning
Disable
Enable
CloudShell
Feedback
Language
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Cookie preferences
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Cloudy
Search
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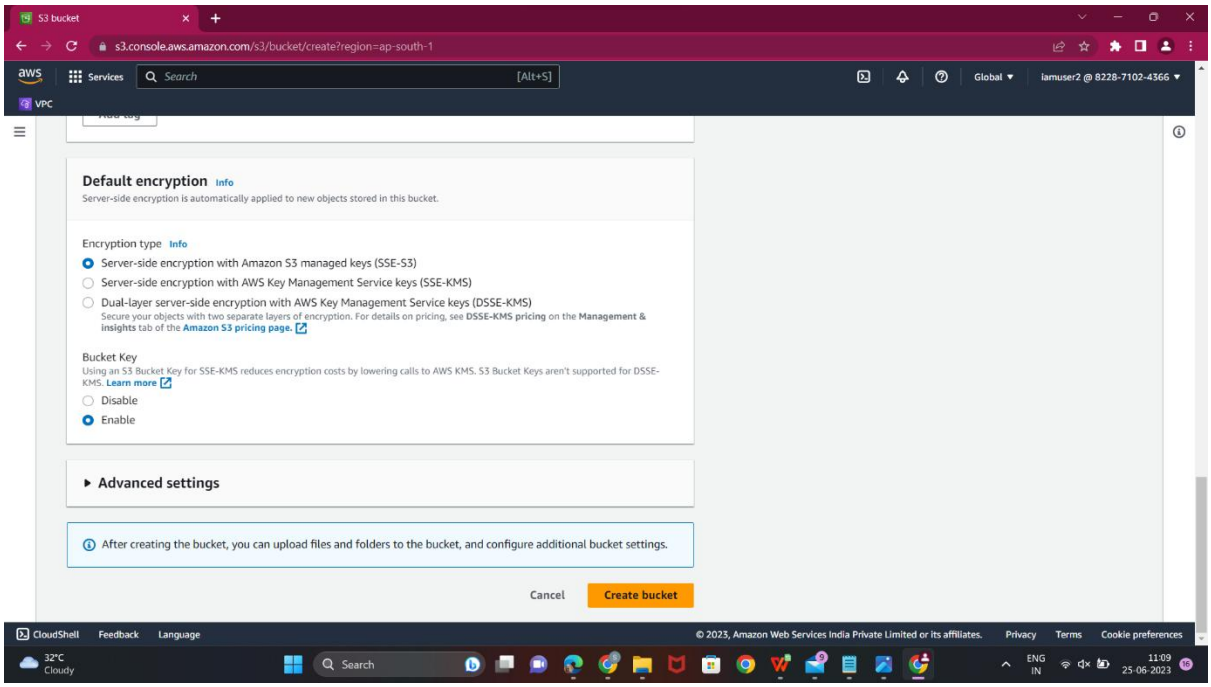
11:08
25-06-2023


S3 bucket
s3.console.aws.amazon.com/s3/bucket/create?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Default encryption Info
Server-side encryption is automatically applied to new objects stored in this bucket.
Encryption type Info
Server-side encryption with Amazon S3 managed keys (SSE-S3)
Server-side encryption with AWS Key Management Service keys (SSE-KMS)
Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)
Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Management & insights tab of the Amazon S3 pricing page.
Bucket Key
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. Learn more
Disable
Enable
Advanced settings
After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.
Cancel
Create bucket
CloudShell
Feedback
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Search
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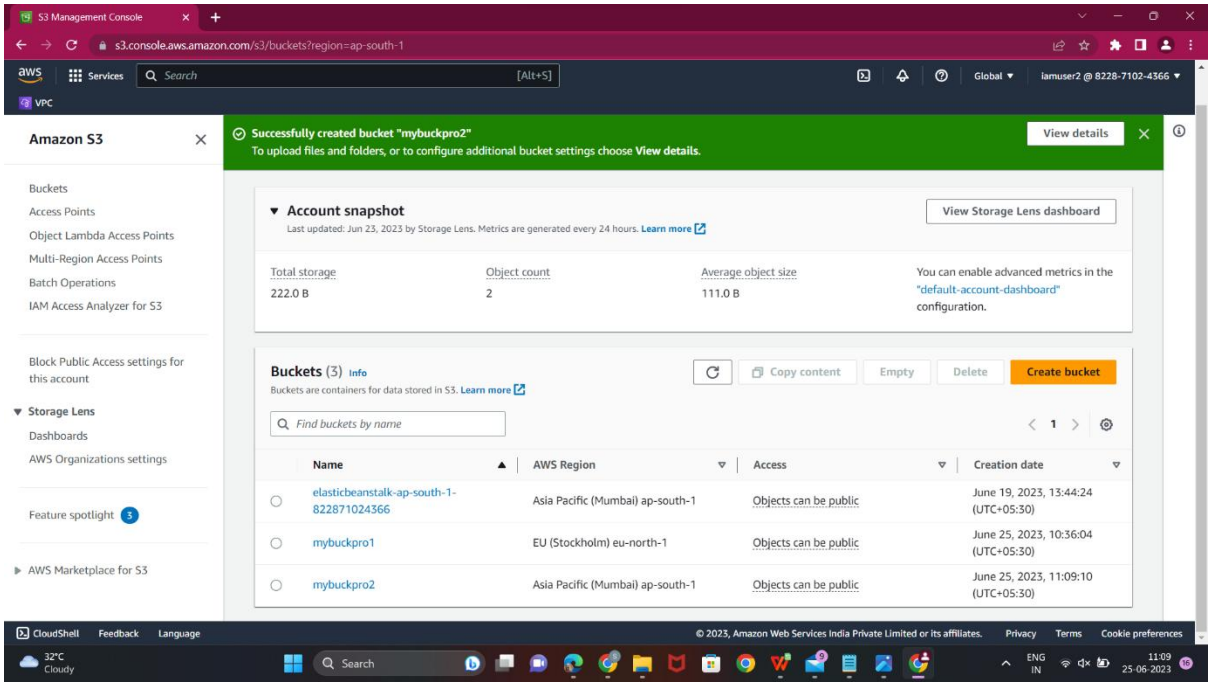
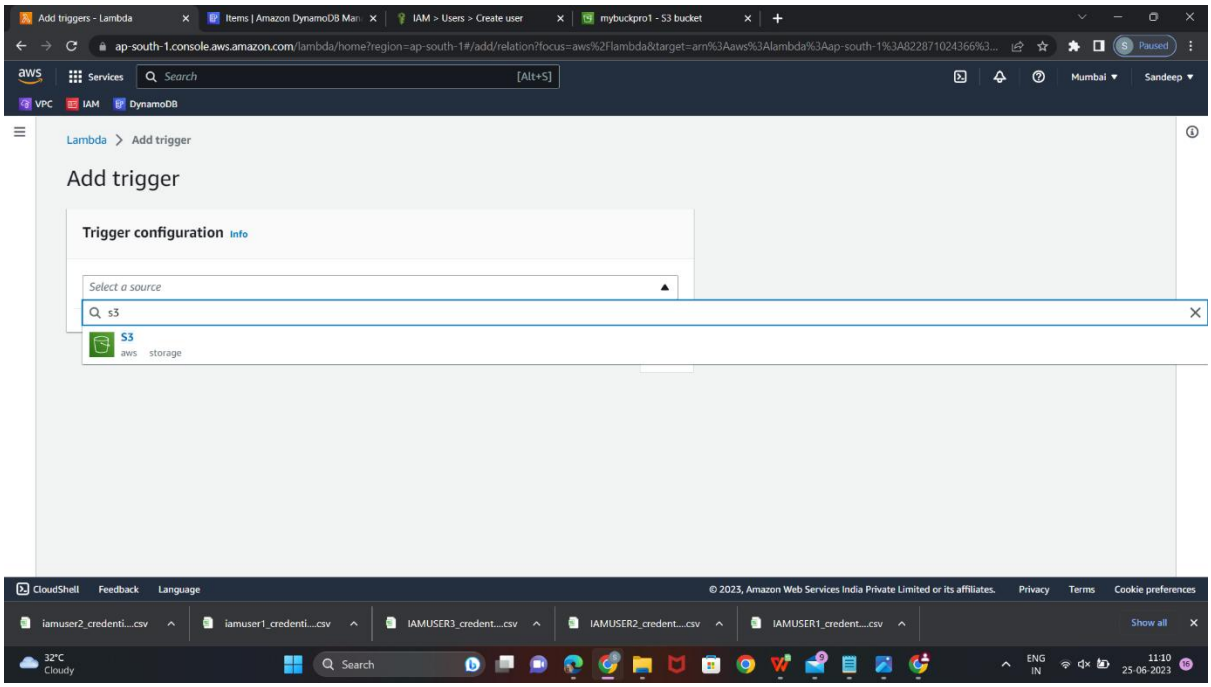
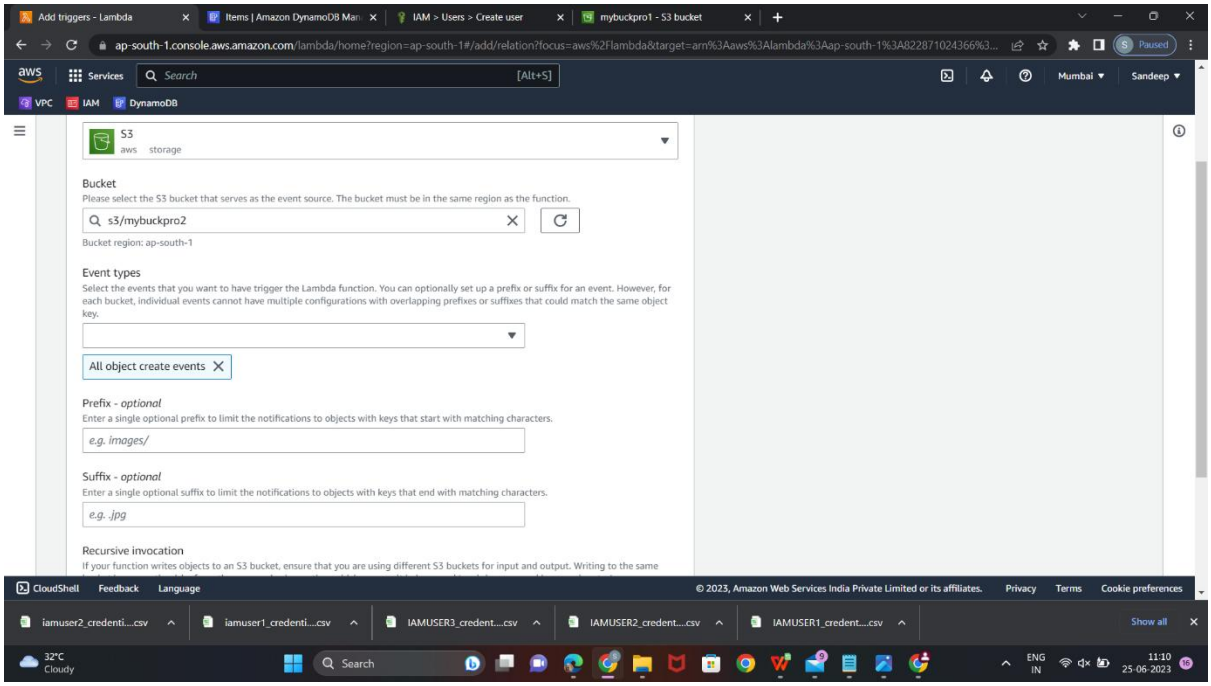


Step 6:Goto root user and add S3 bucket in trigger in Lambda function




Add triggers - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/add/relation?focus=aws%2Flambda&target=arn%3Aaws%3Alambda%3Aap-south-1%3A822871024366%3...
Paused
Services
Search
[Alt+S]
Mumbai
Sandeep
VPC
IAM
DynamoDB
S3
aws storage
Bucket
Please select the S3 bucket that serves as the event source. The bucket must be in the same region as the function.
s3/mybuckpro2
Bucket region: ap-south-1
Event types
Select the events that you want to have trigger the Lambda function. You can optionally set up a prefix or suffix for an event. However, for each bucket, individual events cannot have multiple configurations with overlapping prefixes or suffixes that could match the same object key.
All object create events
Prefix - optional
Enter a single optional prefix to limit the notifications to objects with keys that start with matching characters.
e.g. images/
Suffix - optional
Enter a single optional suffix to limit the notifications to objects with keys that end with matching characters.
e.g. .jpg
Recursive invocation
If your function writes objects to an S3 bucket, ensure that you are using different S3 buckets for input and output. Writing to the same
CloudShell
Feedback
Language
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Terms
Cookie preferences
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
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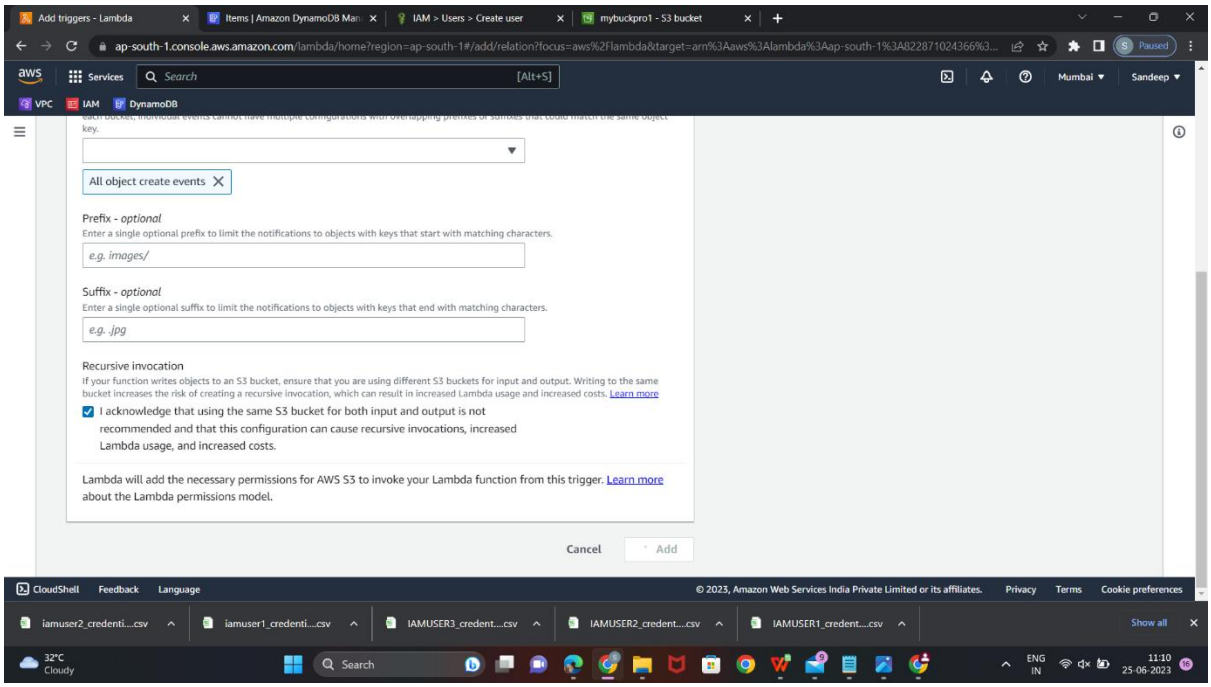
Add triggers - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/add/relation?focus=aws%2Flambda&target=arn%3Aaws%3Alambda%3Aap-south-1%3A822871024366%3...
Paused
Services
Search
[Alt+S]
Mumbai
Sandeep
VPC
IAM
DynamoDB
key.
All object create events
Prefix - optional
Enter a single optional prefix to limit the notifications to objects with keys that start with matching characters.
e.g. images/
Suffix - optional
Enter a single optional suffix to limit the notifications to objects with keys that end with matching characters.
e.g. .jpg
Recursive invocation
If your function writes objects to an S3 bucket, ensure that you are using different S3 buckets for input and output. Writing to the same bucket increases the risk of creating a recursive invocation, which can result in increased Lambda usage and increased costs. Learn more
I acknowledge that using the same S3 bucket for both input and output is not recommended and that this configuration can cause recursive invocations, increased Lambda usage, and increased costs.
Lambda will add the necessary permissions for AWS S3 to invoke your Lambda function from this trigger. Learn more about the Lambda permissions model.
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Add
CloudShell
Feedback
Language
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Terms
Cookie preferences
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
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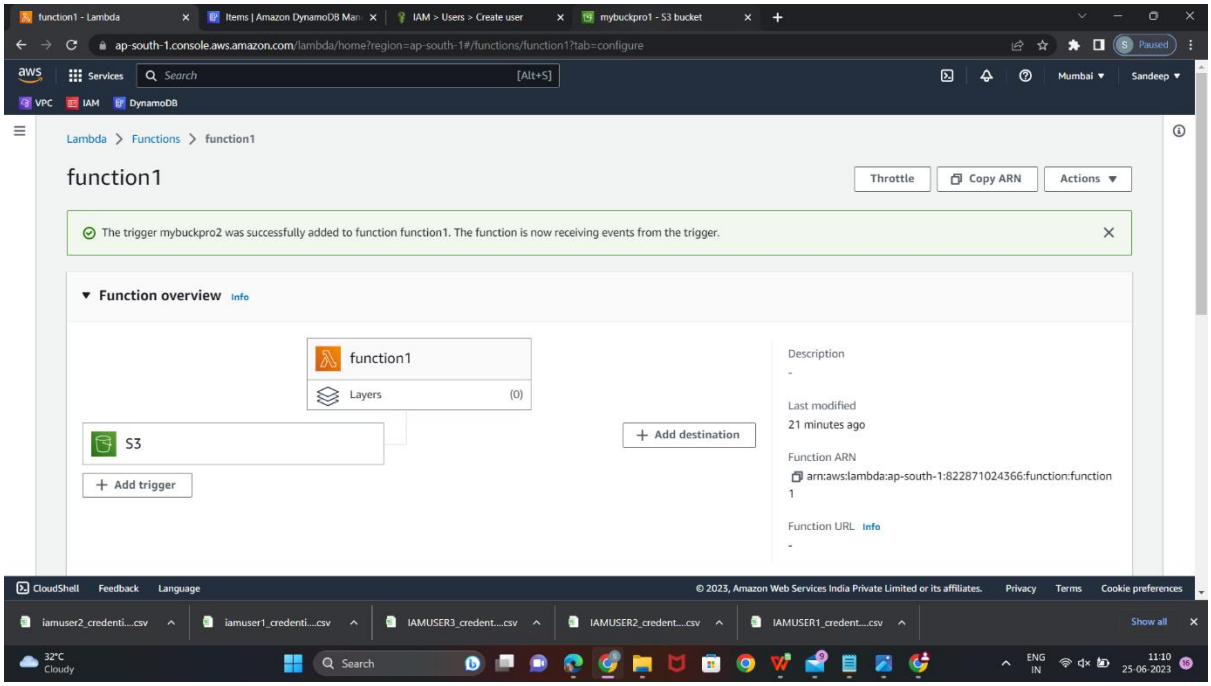
11:10
25-06-2023


function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/function1?tab=configure
Services
Search
[Alt+S]
Mumbai
Sandeep
VPC
IAM
DynamoDB
Lambda > Functions > function1
function1
Throttle
Copy ARN
Actions
The trigger mybuckpro2 was successfully added to function function1. The function is now receiving events from the trigger.
Function overview Info
function1
Layers (0)
S3
Add trigger
Add destination
Description
-
Last modified
21 minutes ago
Function ARN
arn:aws:lambda:ap-south-1:822871024366:function:function1
Function URL Info
-
CloudShell
Feedback
Language
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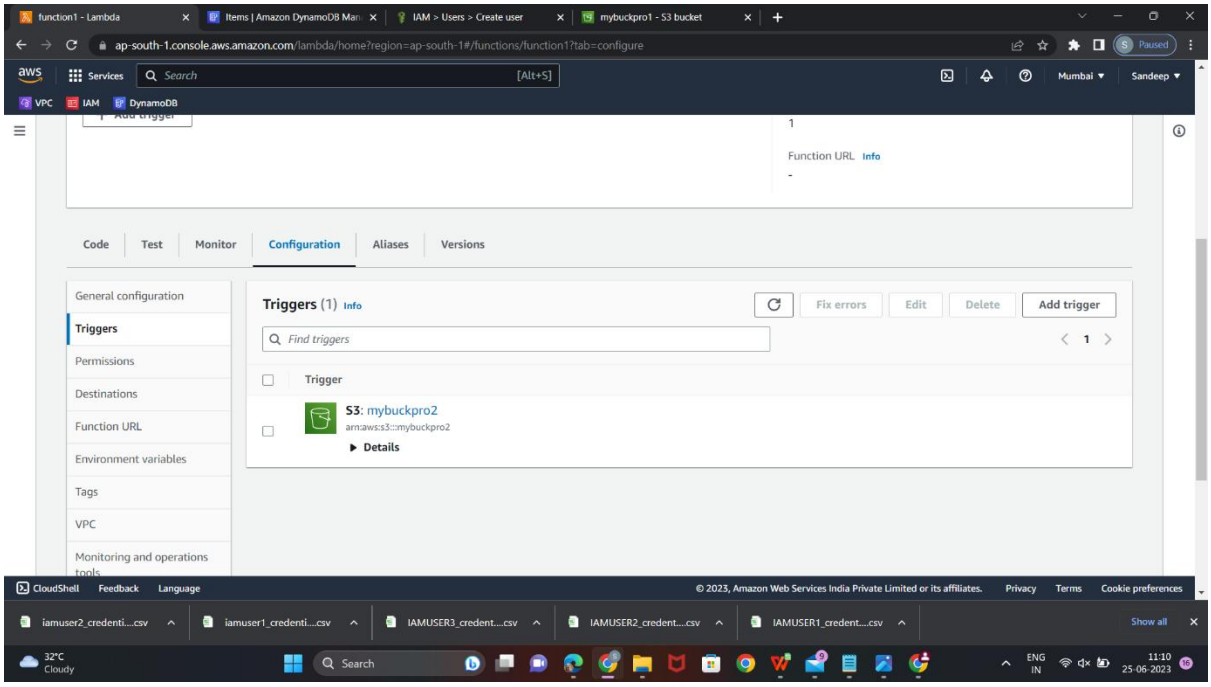
Terms
Cookie preferences
Show all
32°C
Cloudy
Search
ENG
IN
11:10
25-06-2023


function1 - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/function1?tab=configure
Services
Search
[Alt+S]
Mumbai
Sandeep
VPC
IAM
DynamoDB
Function URL Info
-
Code
Test
Monitor
Configuration
Aliases
Versions
General configuration
Triggers
Permissions
Destinations
Function URL
Environment variables
Tags
VPC
Monitoring and operations tools
Triggers (1) Info
Fix errors
Edit
Delete
Add trigger
Find triggers
Trigger
S3: mybuckpro2
arn:aws:s3:::mybuckpro2
Details
CloudShell
Feedback
Language
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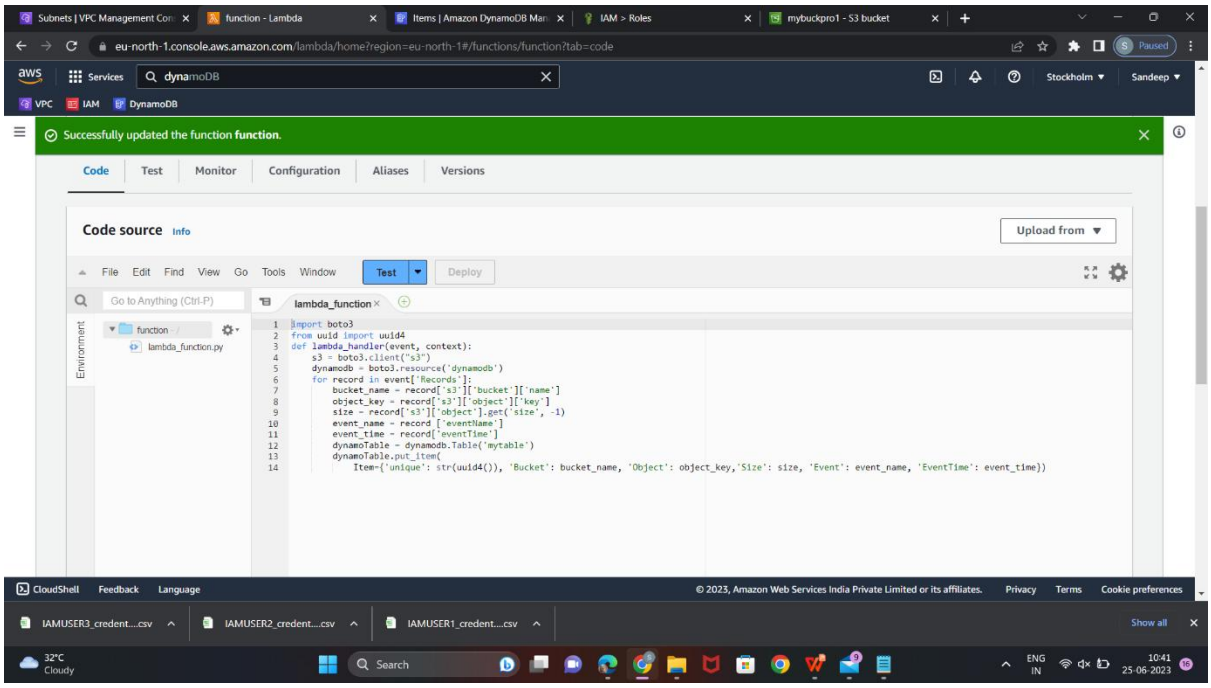
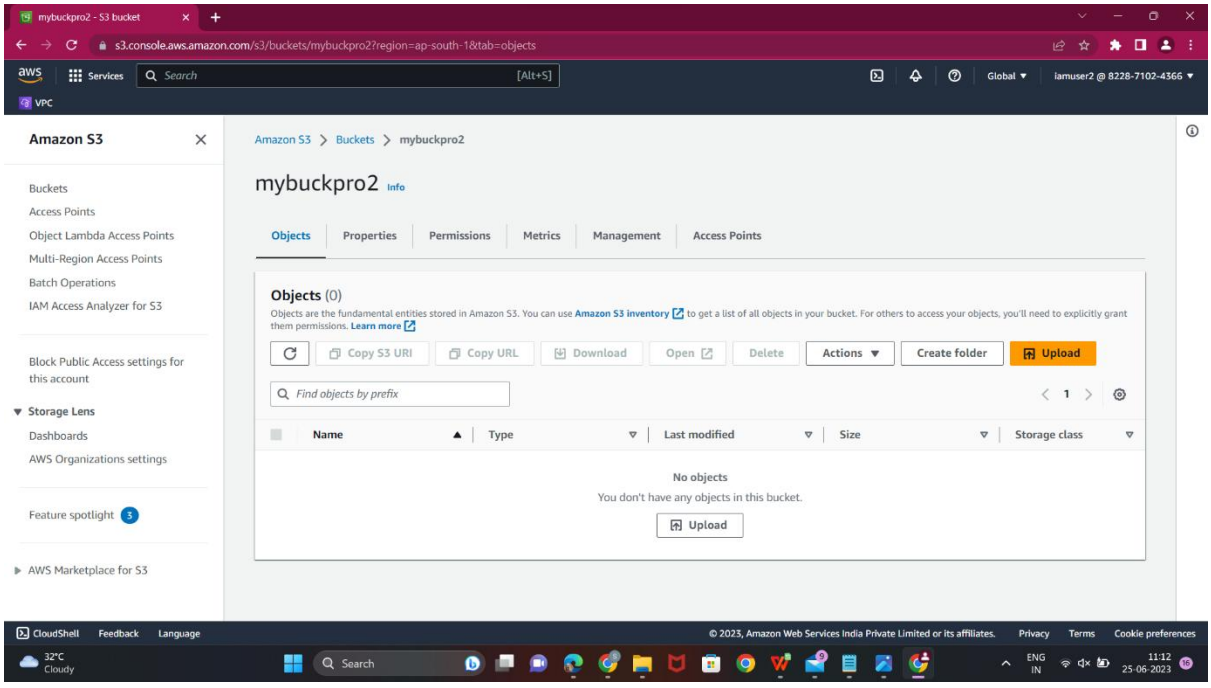
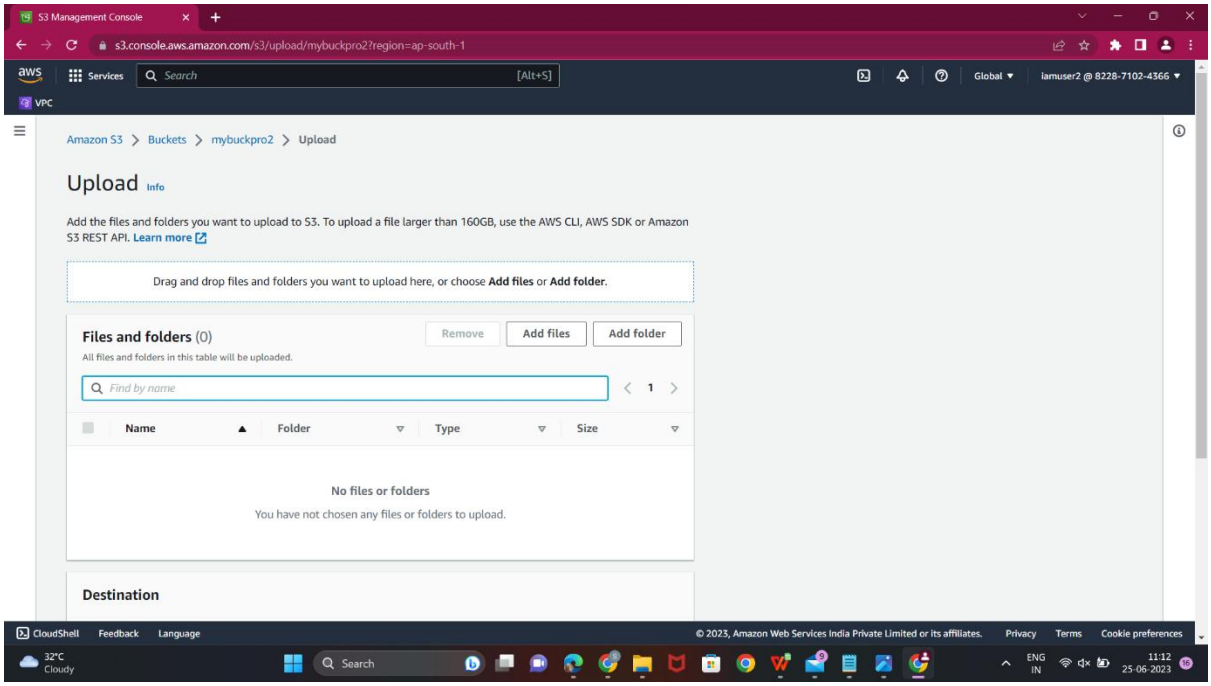
Privacy
Terms
Cookie preferences
Show all
32°C
Cloudy
Search
ENG
IN
11:10
25-06-2023

Step 7:Now deploy the code that you entered in lambda function



Step 8:Upload a file in bucket mybuckpro2 in iamuser2




S3 Management Console
s3.console.aws.amazon.com/s3/upload/mybuckpro2?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Amazon S3 > Buckets > mybuckpro2 > Upload
Upload Info
Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. Learn more
Drag and drop files and folders you want to upload here, or choose Add files or Add folder.
Files and folders (0)
All files and folders in this table will be uploaded.
Remove
Add files
Add folder
Find by name
Name
Folder
Type
Size
No files or folders
You have not chosen any files or folders to upload.
Destination
CloudShell
Feedback
Language
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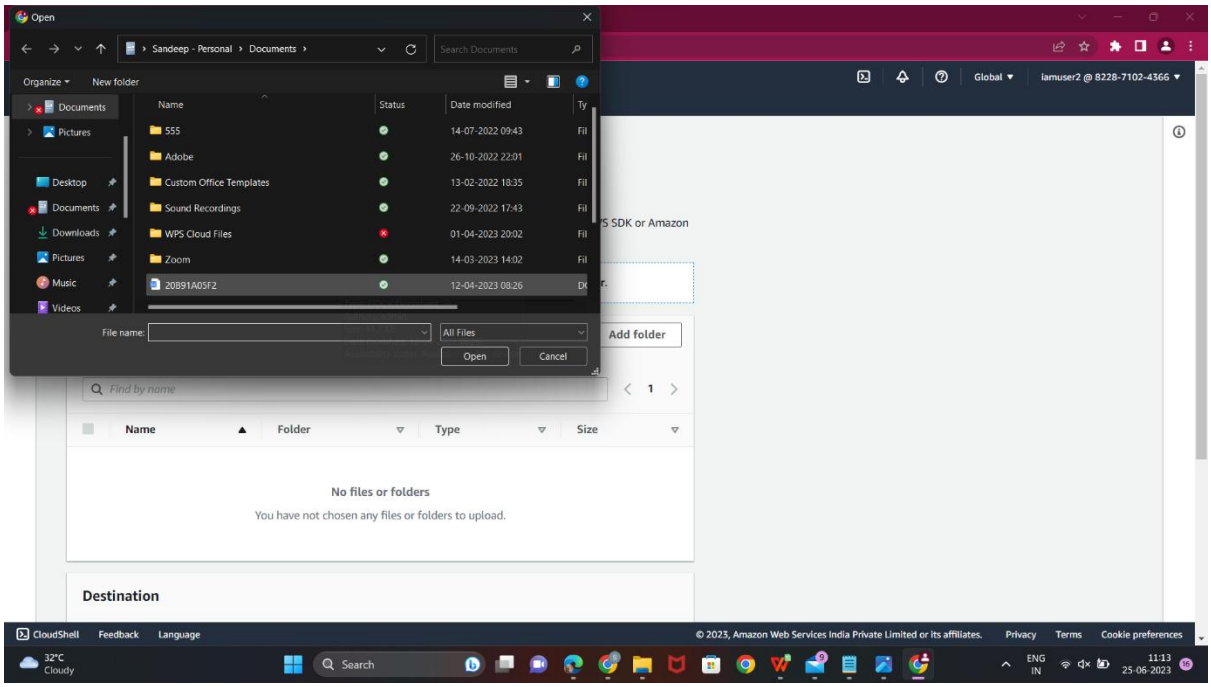
Terms
Cookie preferences
32°C
Cloudy
Search
ENG
IN
11:12
25-06-2023


Open
Sandeep - Personal > Documents >
Search Documents
Organize
New folder
Documents
Pictures
Desktop
Documents
Downloads
Pictures
Music
Videos
Name
Status
Date modified
555
14-07-2022 09:43
Adobe
26-10-2022 22:01
Custom Office Templates
13-02-2022 18:35
Sound Recordings
22-09-2022 17:43
WPS Cloud Files
01-04-2023 20:02
Zoom
14-03-2023 14:02
20B91A05F2
12-04-2023 08:26
File name:
All Files
Open
Cancel
Global
iamuser2 @ 8228-7102-4366
S SDK or Amazon
Add folder
Find by name
Name
Folder
Type
Size
No files or folders
You have not chosen any files or folders to upload.
Destination
CloudShell
Feedback
Language
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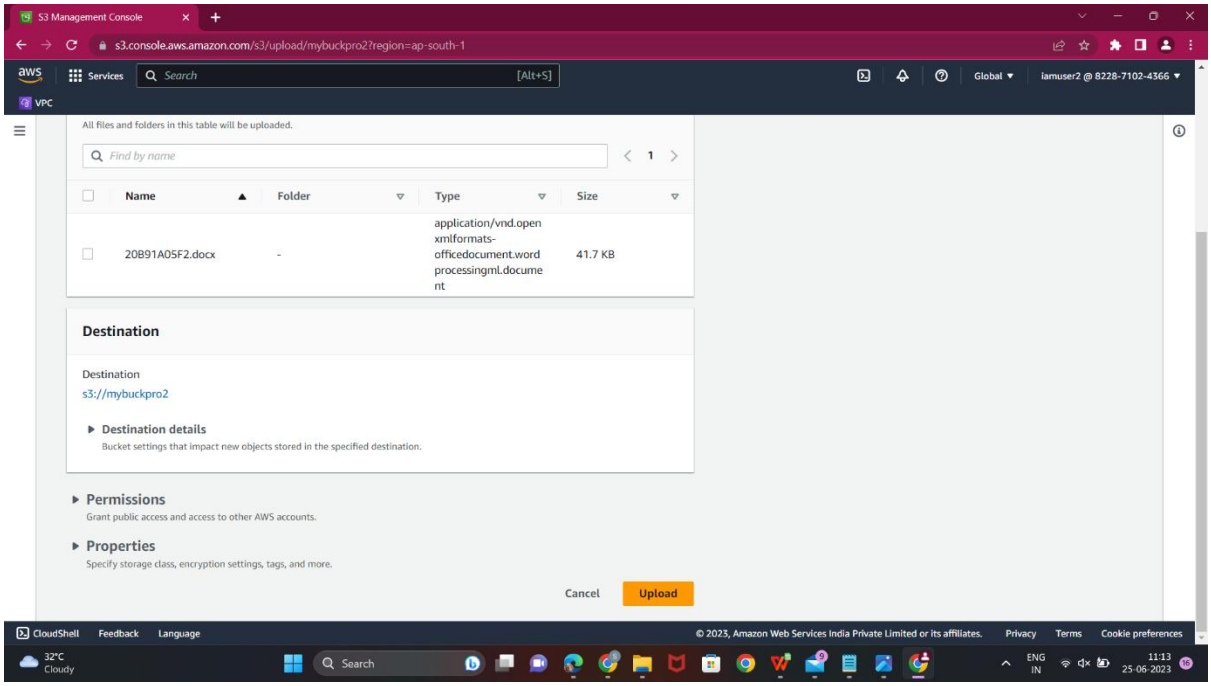
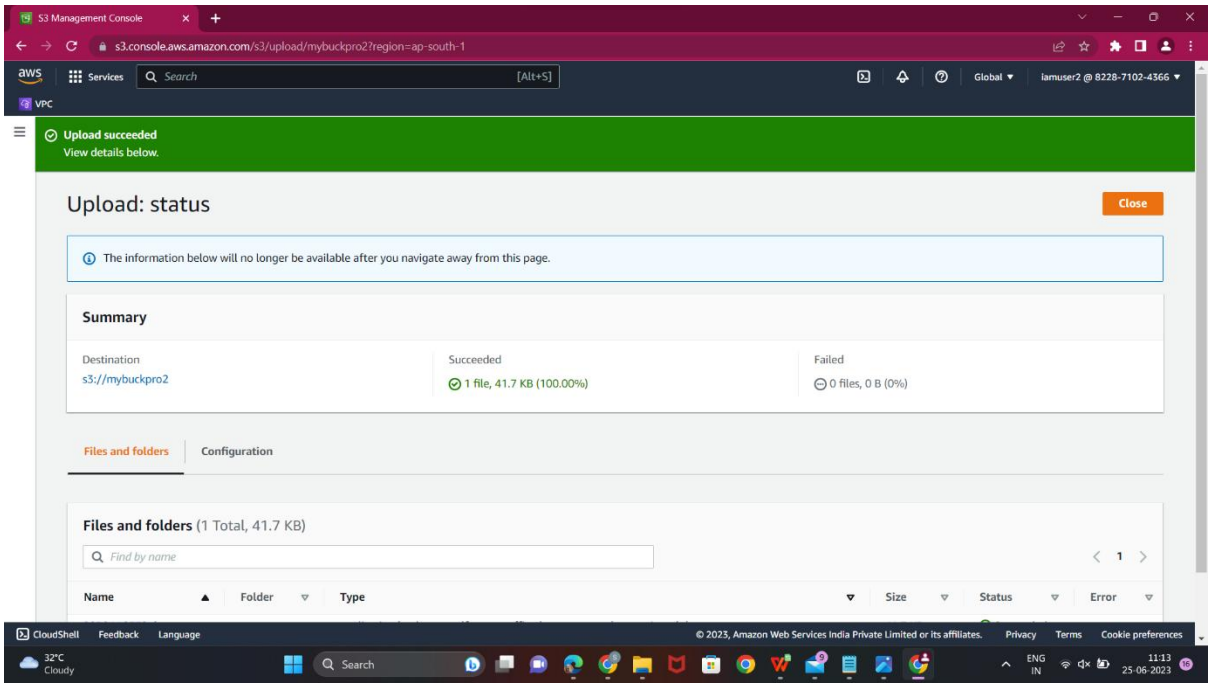
Privacy
Terms
Cookie preferences
32°C
Cloudy
Search
ENG
IN
11:13
25-06-2023


S3 Management Console
s3.console.aws.amazon.com/s3/upload/mybuckpro2?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
All files and folders in this table will be uploaded.
Find by name
Name
Folder
Type
Size
20B91A05F2.docx
-
application/vnd.openxmlformats-officedocument.wordprocessingml.document
41.7 KB
Destination
Destination
s3://mybuckpro2
Destination details
Bucket settings that impact new objects stored in the specified destination.
Permissions
Grant public access and access to other AWS accounts.
Properties
Specify storage class, encryption settings, tags, and more.
Cancel
Upload
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
32°C
Cloudy
Search
ENG
IN
11:13
25-06-2023


S3 Management Console
s3.console.aws.amazon.com/s3/upload/mybuckpro2?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Upload succeeded
View details below.
Upload: status
Close
The information below will no longer be available after you navigate away from this page.
Summary
Destination
s3://mybuckpro2
Succeeded
1 file, 41.7 KB (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 Total, 41.7 KB)
Find by name
Name
Folder
Type
Size
Status
Error
CloudShell
Feedback
Language
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Cookie preferences
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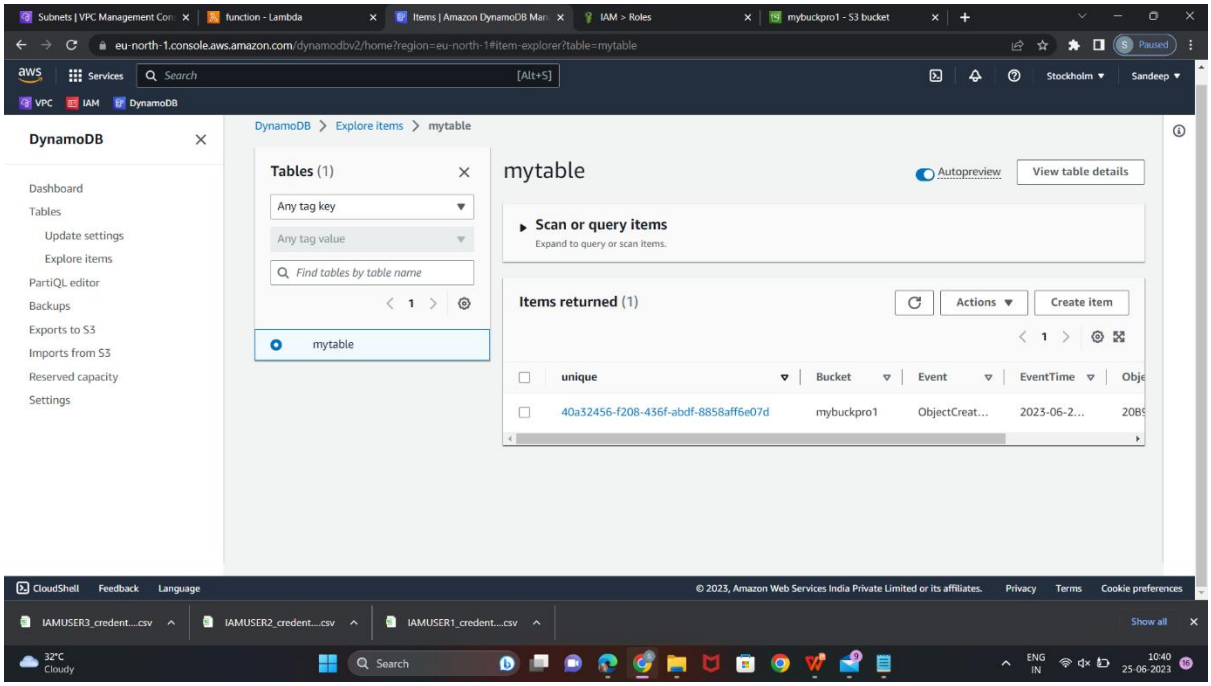
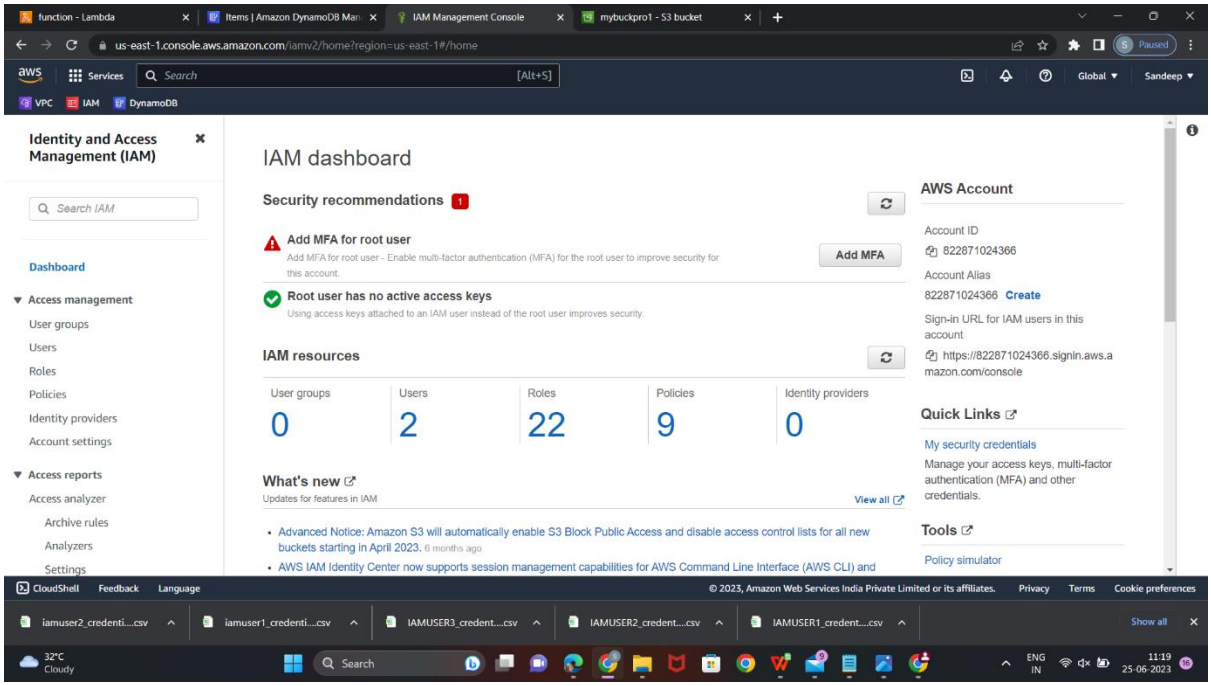
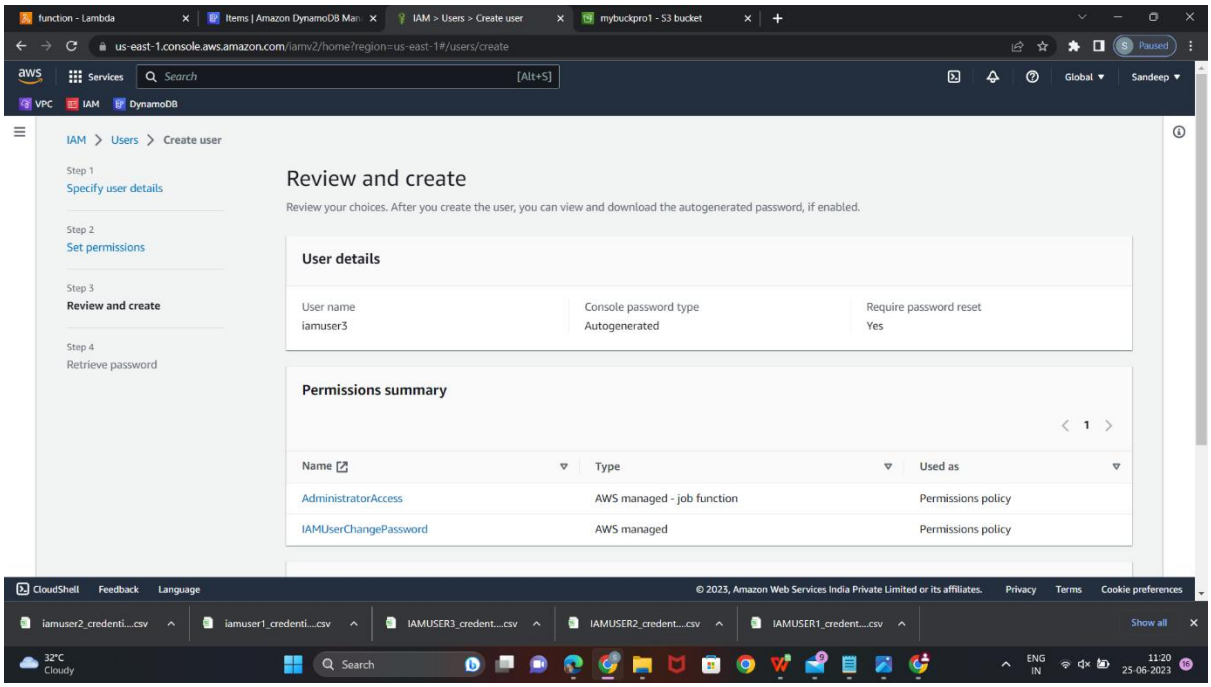
ENG
IN
11:13
25-06-2023

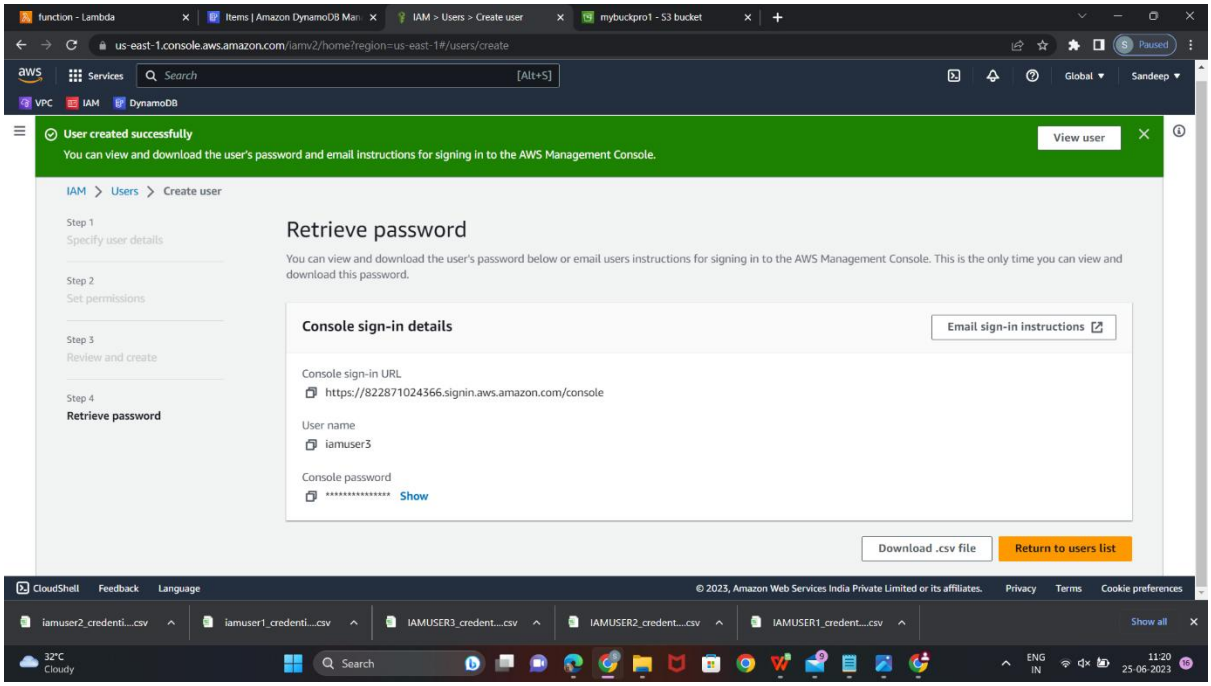
Step 9:Check the data in the table which is created as mytable in iamuser1, we can able to see the file that is uploaded in bucket in iamuser2



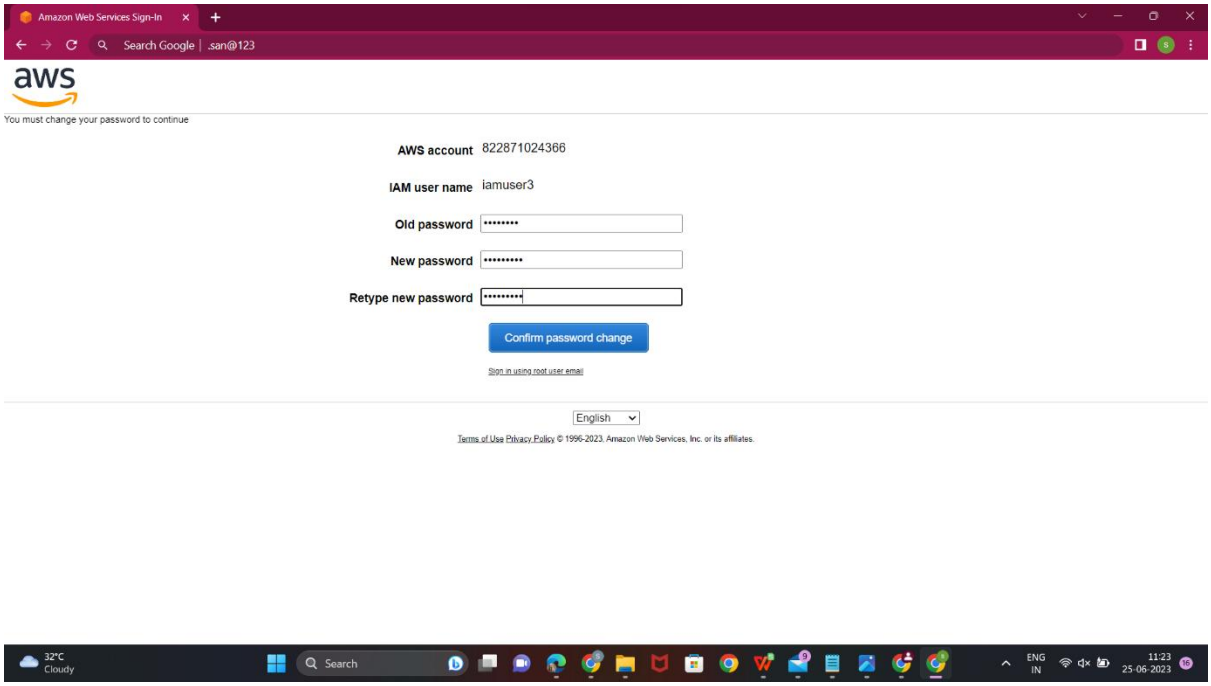
Step 10:Create an IAM user as iamuser3 from root user and provide admin access

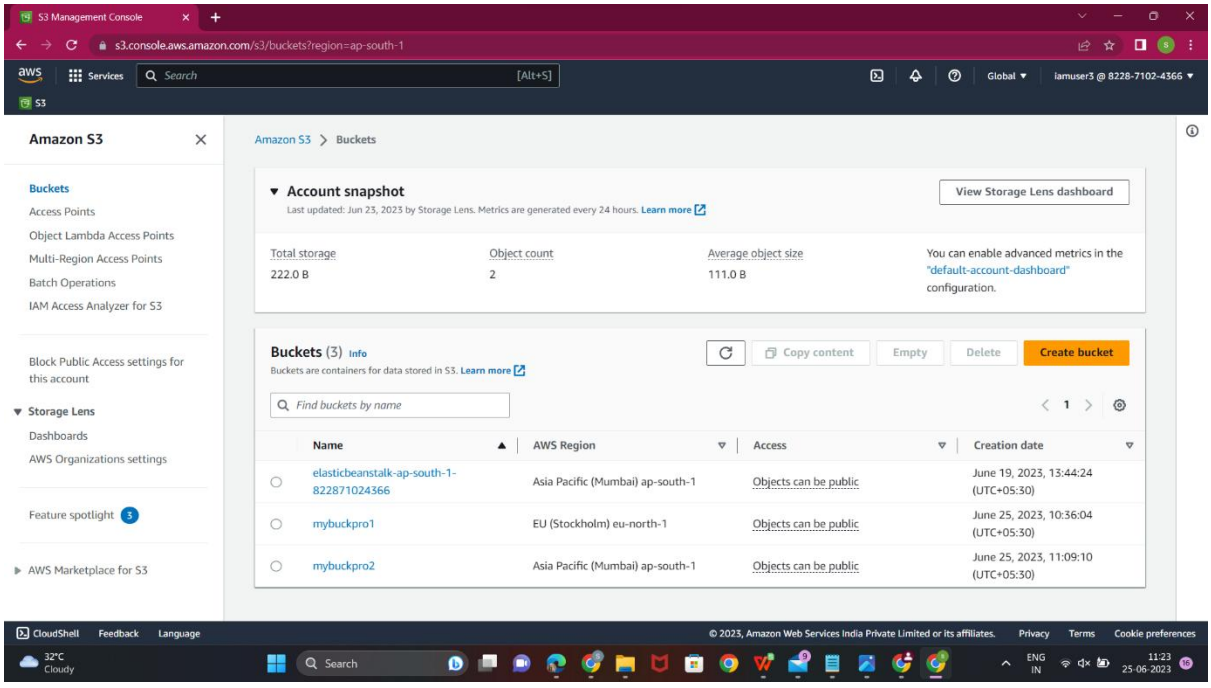


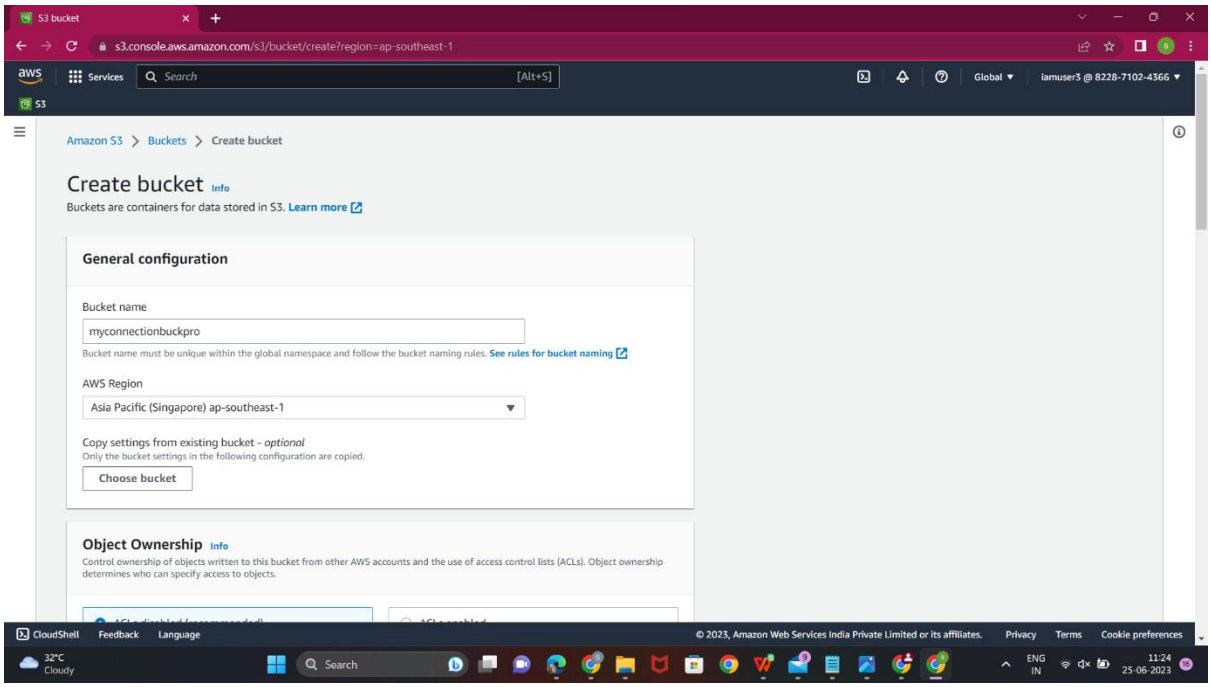

function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Paused
aws
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
Review and create
Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.
User details
User name
iamuser3
Console password type
Autogenerated
Require password reset
Yes
Permissions summary
Name
Type
Used as
AdministratorAccess
AWS managed - job function
Permissions policy
IAMUserChangePassword
AWS managed
Permissions policy
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
IN
11:20
25-06-2023


function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Paused
aws
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
User created successfully
You can view and download the user's password and email instructions for signing in to the AWS Management Console.
View user
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
Retrieve password
You can view and download the user's password below or email users instructions for signing in to the AWS Management Console. This is the only time you can view and download this password.
Console sign-in details
Email sign-in instructions
Console sign-in URL
https://822871024366.signin.aws.amazon.com/console
User name
iamuser3
Console password
********** Show
Download .csv file
Return to users list
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
IN
11:20
25-06-2023

Step 11:After creation, login to iamuser3 and create another bucket as myconnectionbuckpro






S3 bucket
s3.console.aws.amazon.com/s3/bucket/create?region=ap-southeast-1
Services
Search
[Alt+S]
Global
iamuser3 @ 8228-7102-4366
S3
Amazon S3 > Buckets > Create bucket
Create bucket Info
Buckets are containers for data stored in S3. Learn more
General configuration
Bucket name
myconnectionbuckpro
Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming
AWS Region
Asia Pacific (Singapore) ap-southeast-1
Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.
Choose bucket
Object Ownership Info
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.
CloudShell
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Language
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Cookie preferences
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Search
ENG
IN
11:24
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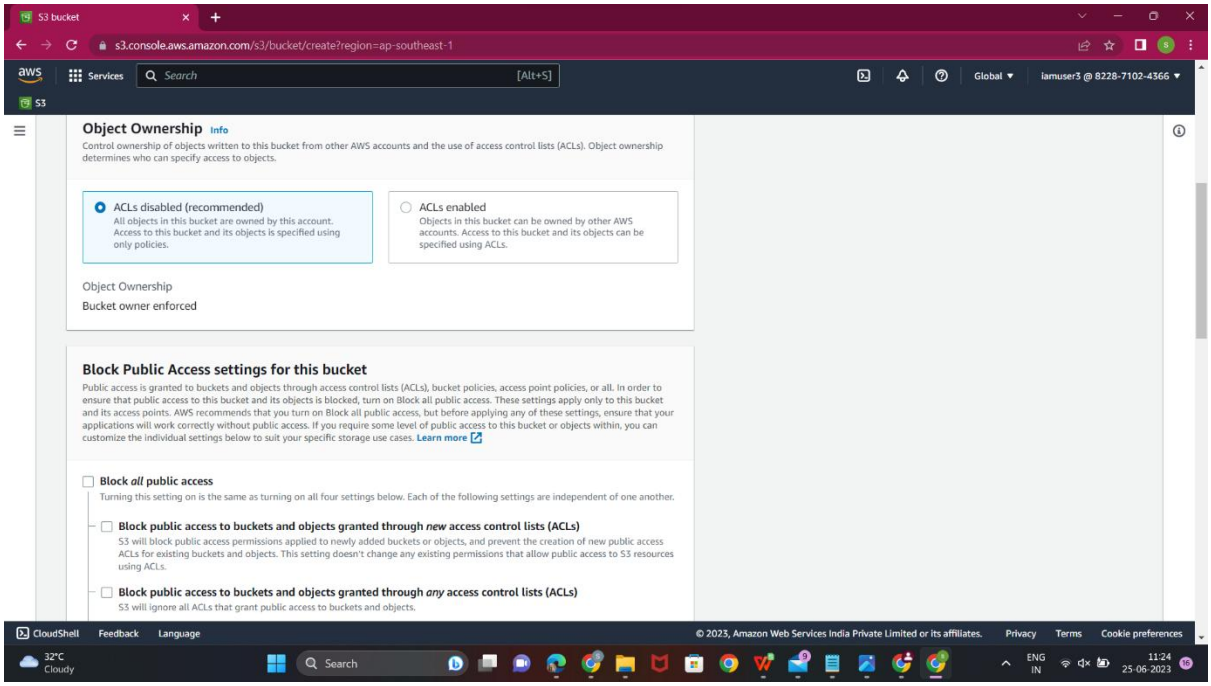
S3 bucket
s3.console.aws.amazon.com/s3/bucket/create?region=ap-southeast-1
Services
Search
[Alt+S]
Global
iamuser3 @ 8228-7102-4366
S3
Object Ownership Info
Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.
ACLs disabled (recommended)
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.
ACLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.
Object Ownership
Bucket owner enforced
Block Public Access settings for this bucket
Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more
Block all public access
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.
Block public access to buckets and objects granted through new access control lists (ACLs)
S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.
CloudShell
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Language
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Cookie preferences
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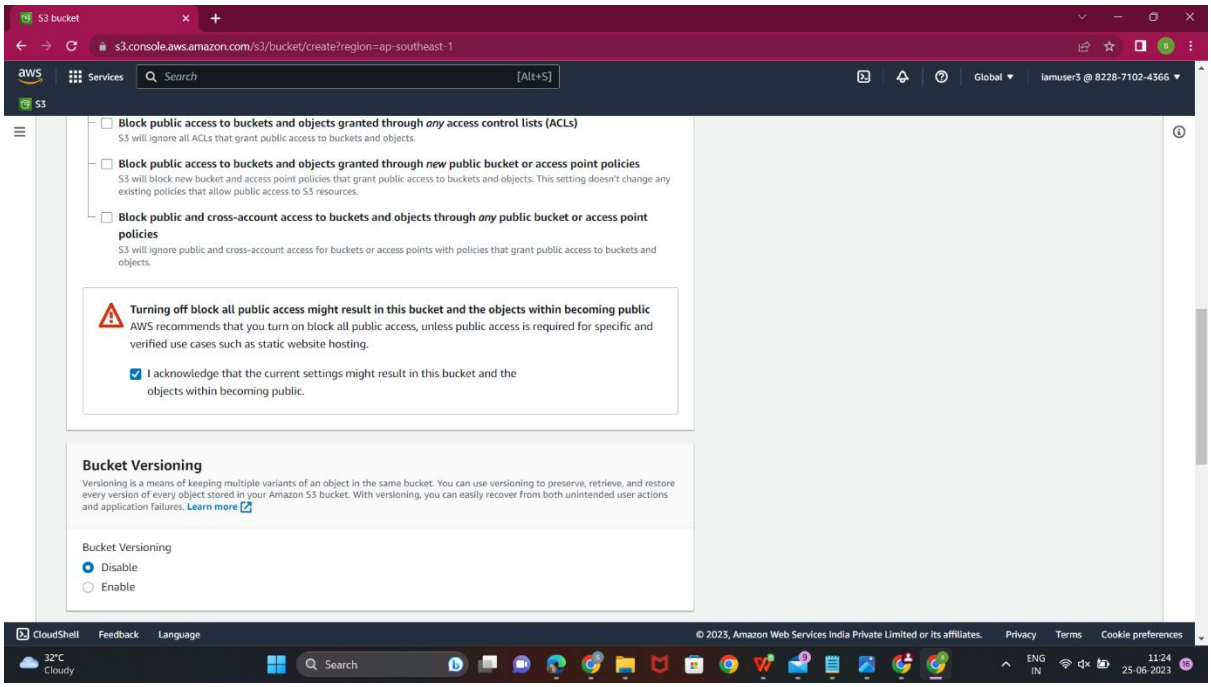
Cloudy
Search
ENG
IN
11:24
25-06-2023


S3 bucket
s3.console.aws.amazon.com/s3/bucket/create?region=ap-southeast-1
Services
Search
[Alt+S]
Global
iamuser3 @ 8228-7102-4366
S3
Block public access to buckets and objects granted through any access control lists (ACLs)
S3 will ignore all ACLs that grant public access to buckets and objects.
Block public access to buckets and objects granted through new public bucket or access point policies
S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
Block public and cross-account access to buckets and objects through any public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.
Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.
I acknowledge that the current settings might result in this bucket and the objects within becoming public.
Bucket Versioning
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more
Bucket Versioning
Disable
Enable
CloudShell
Feedback
Language
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Cloudy
Search
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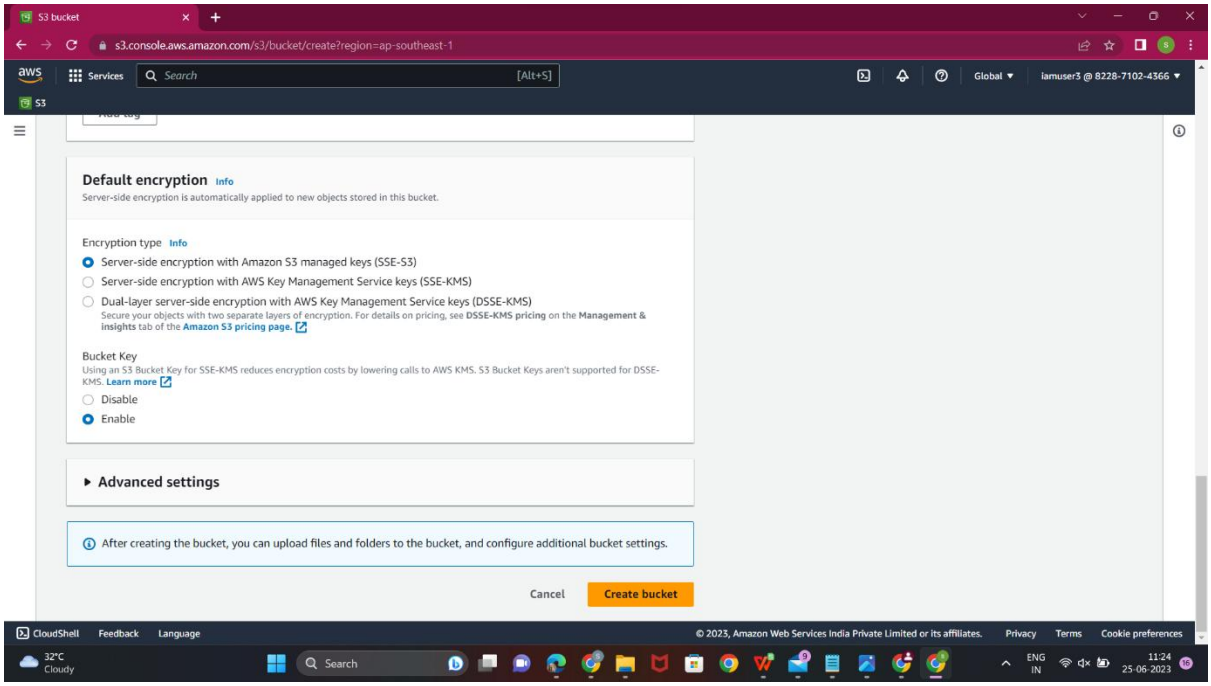
11:24
25-06-2023


S3 bucket
s3.console.aws.amazon.com/s3/bucket/create?region=ap-southeast-1
Services
Search
[Alt+S]
Global
iamuser3 @ 8228-7102-4366
S3
Default encryption Info
Server-side encryption is automatically applied to new objects stored in this bucket.
Encryption type Info
Server-side encryption with Amazon S3 managed keys (SSE-S3)
Server-side encryption with AWS Key Management Service keys (SSE-KMS)
Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)
Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Management & insights tab of the Amazon S3 pricing page.
Bucket Key
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. Learn more
Disable
Enable
Advanced settings
After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.
Cancel
Create bucket
CloudShell
Feedback
Language
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Cookie preferences
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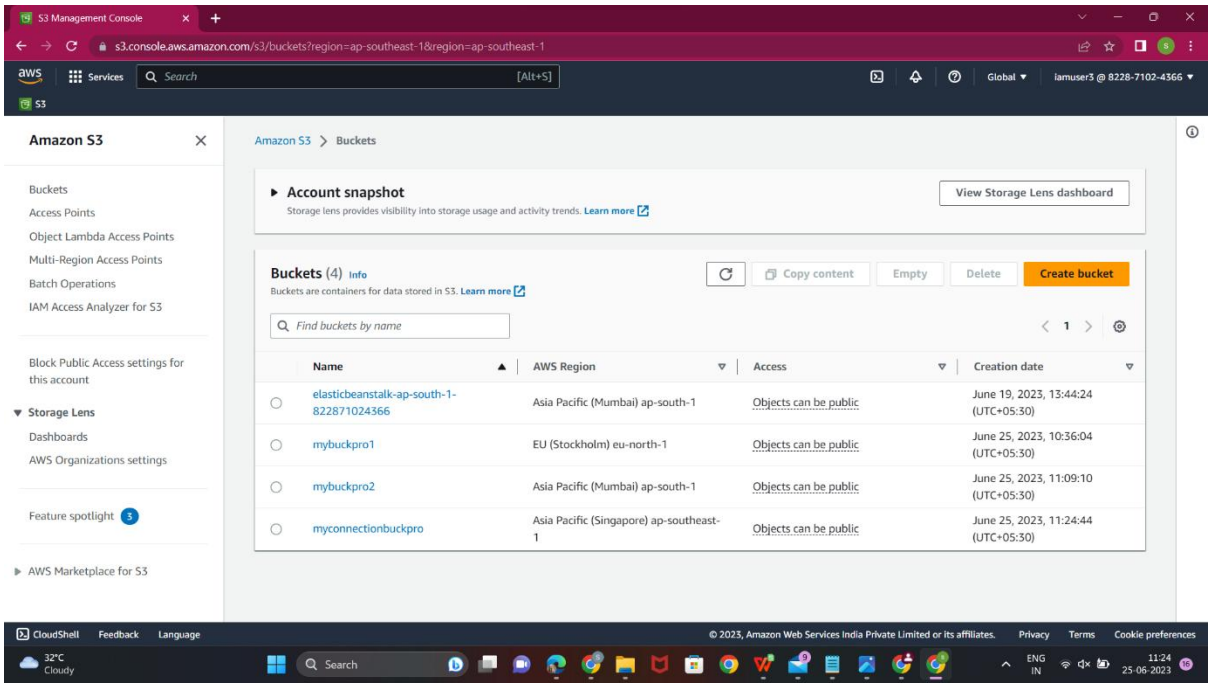
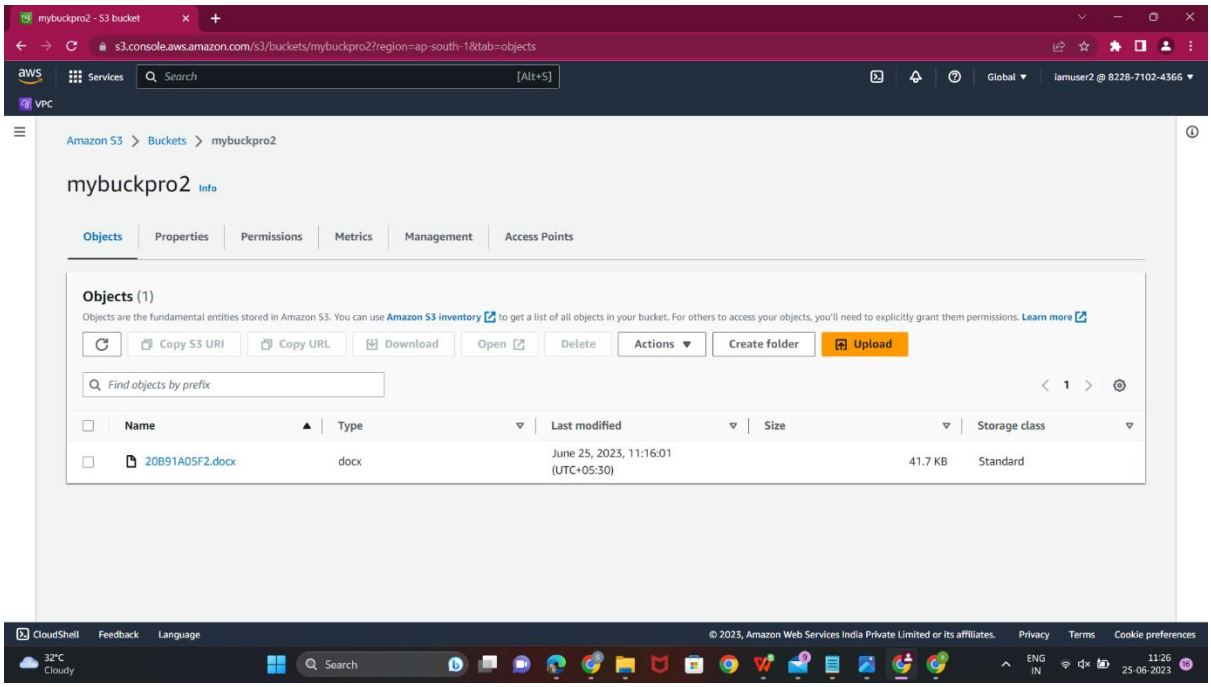
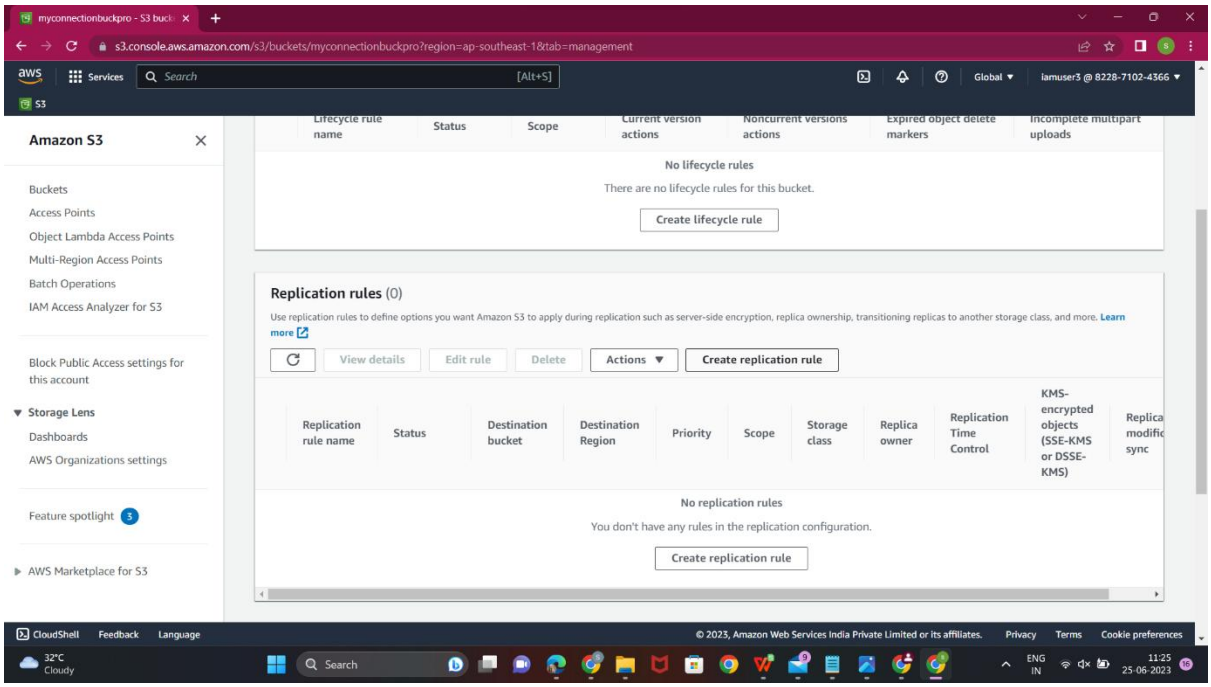
Cloudy
Search
ENG
IN
11:24
25-06-2023



Step 1:Now in iamuser2, create an replication rule for mybuckpro2




myconnectionbuckpro - S3 buck
s3.console.aws.amazon.com/s3/buckets/myconnectionbuckpro?region=ap-southeast-1&tab=management
Services
Search
[Alt+S]
Global
iamuser3 @ 8228-7102-4366
S3
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
Lifecycle rule name
Status
Scope
Current version actions
Noncurrent versions actions
Expired object delete markers
Incomplete multipart uploads
No lifecycle rules
There are no lifecycle rules for this bucket.
Create lifecycle rule
Replication rules (0)
Use replication rules to define options you want Amazon S3 to apply during replication such as server-side encryption, replica ownership, transitioning replicas to another storage class, and more. Learn more
View details
Edit rule
Delete
Actions
Create replication rule
Replication rule name
Status
Destination bucket
Destination Region
Priority
Scope
Storage class
Replica owner
Replication Time Control
KMS-encrypted objects (SSE-KMS or DSSE-KMS)
No replication rules
You don't have any rules in the replication configuration.
Create replication rule
CloudShell
Feedback
Language
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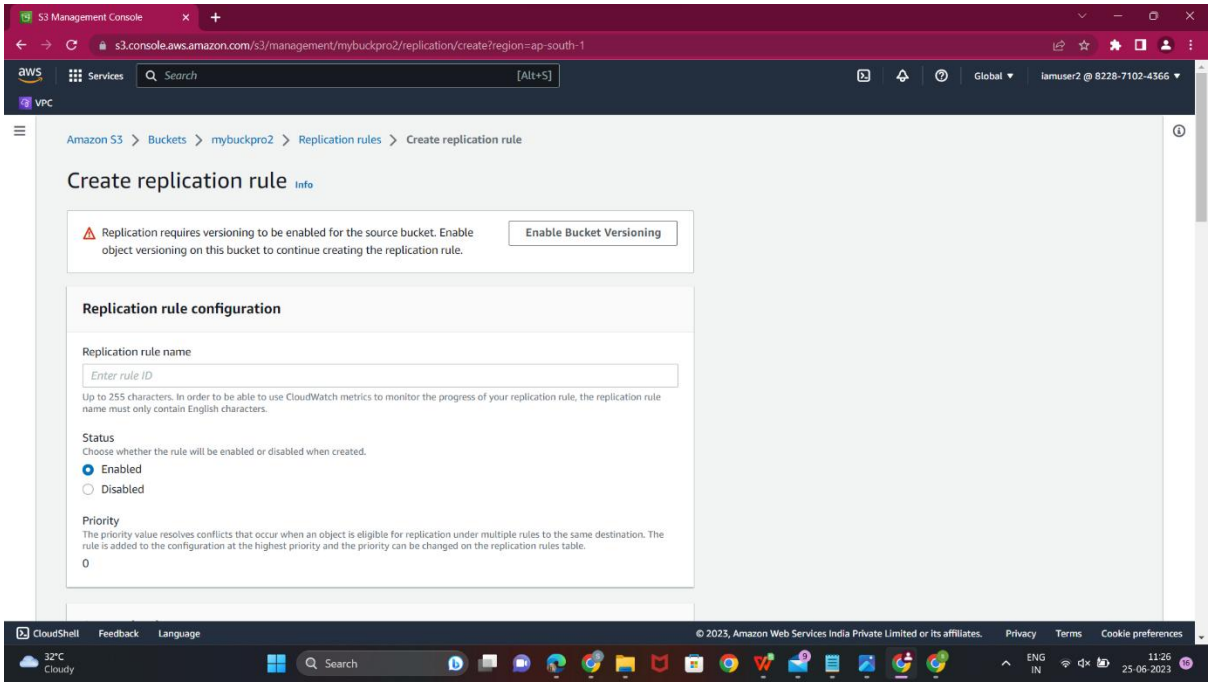
Terms
Cookie preferences
32°C
Cloudy
Search
ENG
IN
11:25
25-06-2023


S3 Management Console
s3.console.aws.amazon.com/s3/management/mybuckpro2/replication/create?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Amazon S3 > Buckets > mybuckpro2 > Replication rules > Create replication rule
Create replication rule Info
Replication requires versioning to be enabled for the source bucket. Enable object versioning on this bucket to continue creating the replication rule.
Enable Bucket Versioning
Replication rule configuration
Replication rule name
Enter rule ID
Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule name must only contain English characters.
Status
Choose whether the rule will be enabled or disabled when created.
Enabled
Disabled
Priority
The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.
0
CloudShell
Feedback
Language
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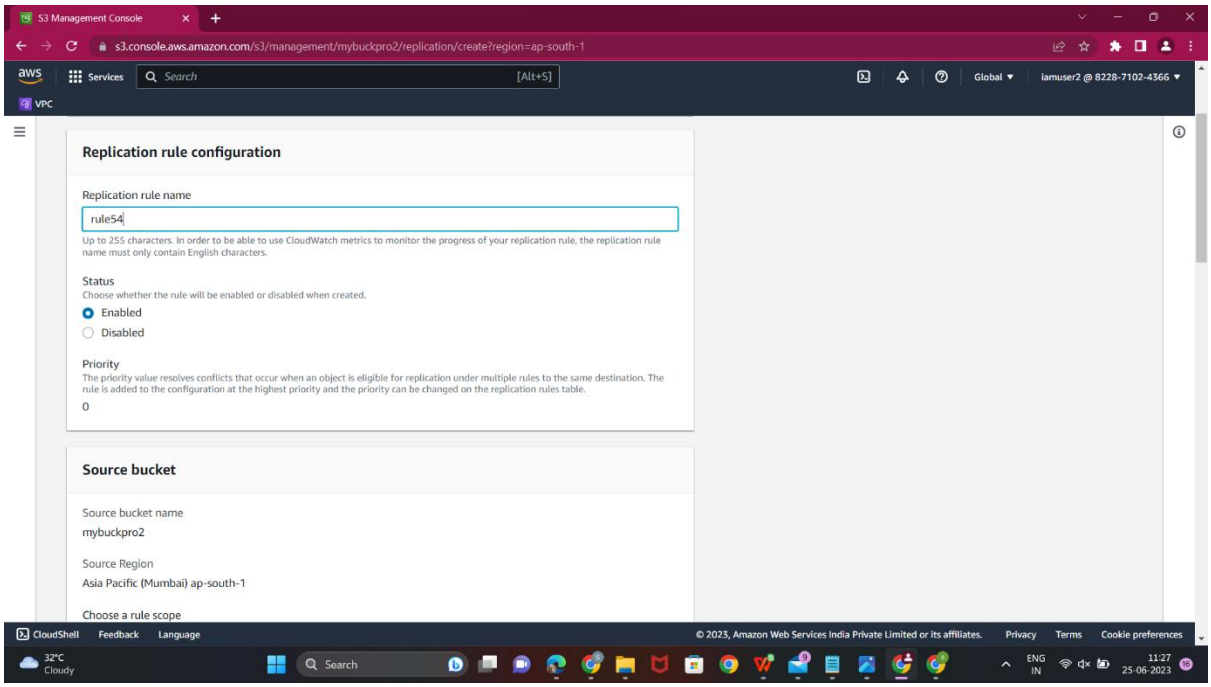
Privacy
Terms
Cookie preferences
32°C
Cloudy
Search
ENG
IN
11:26
25-06-2023


S3 Management Console
s3.console.aws.amazon.com/s3/management/mybuckpro2/replication/create?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Replication rule configuration
Replication rule name
rule54
Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule name must only contain English characters.
Status
Choose whether the rule will be enabled or disabled when created.
Enabled
Disabled
Priority
The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.
0
Source bucket
Source bucket name
mybuckpro2
Source Region
Asia Pacific (Mumbai) ap-south-1
Choose a rule scope
CloudShell
Feedback
Language
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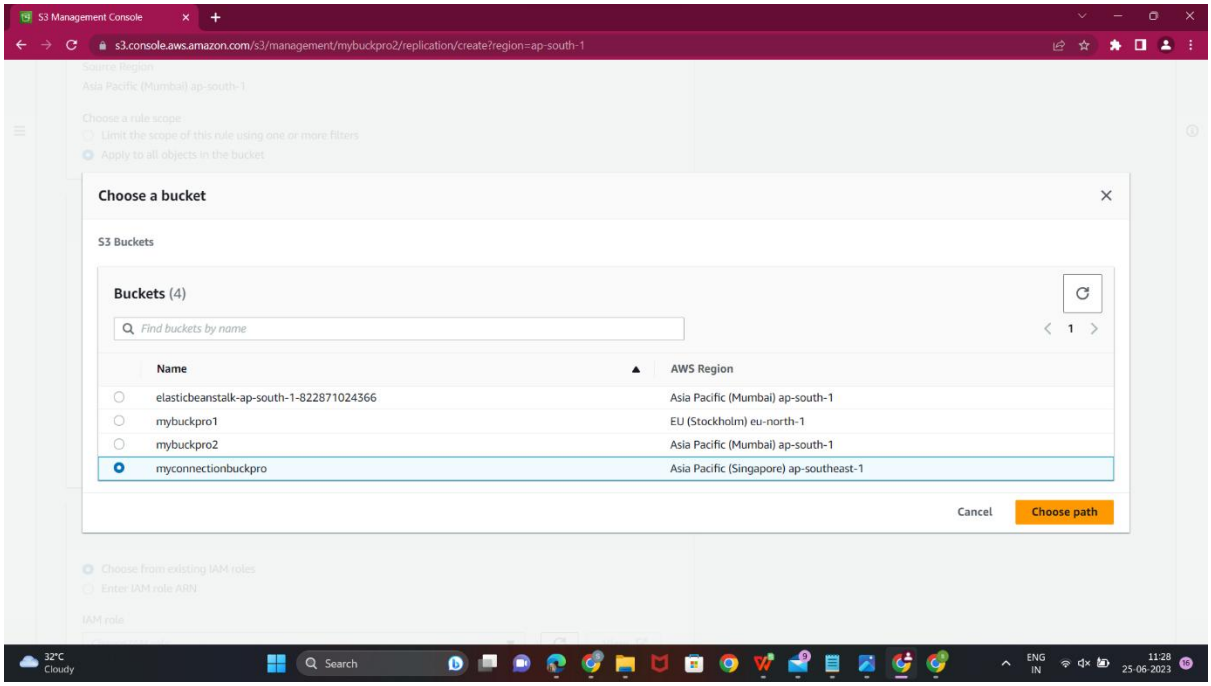
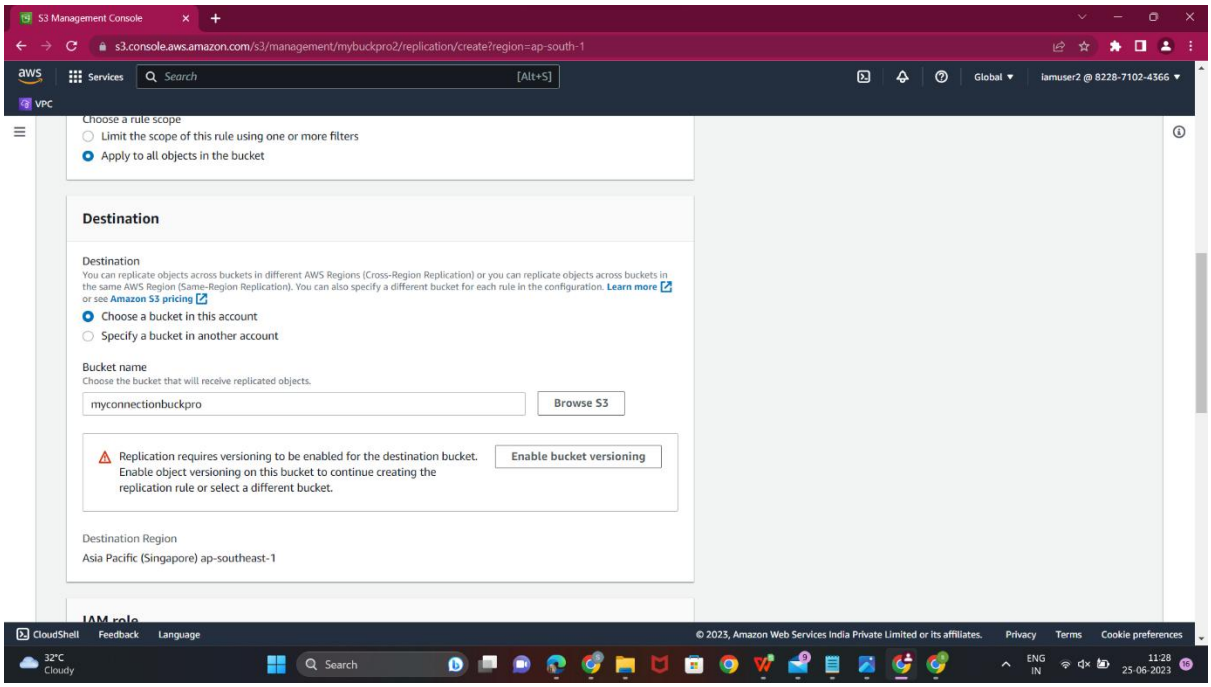
Privacy
Terms
Cookie preferences
32°C
Cloudy
Search
ENG
IN
11:27
25-06-2023


S3 Management Console
s3.console.aws.amazon.com/s3/management/mybuckpro2/replication/create?region=ap-south-1
Asia Pacific (Mumbai) ap-south-1
Choose a rule scope
Limit the scope of this rule using one or more filters
Apply to all objects in the bucket
Choose a bucket
S3 Buckets
Buckets (4)
Find buckets by name
1
Name
AWS Region
elasticbeanstalk-ap-south-1-822871024366
Asia Pacific (Mumbai) ap-south-1
mybuckpro1
EU (Stockholm) eu-north-1
mybuckpro2
Asia Pacific (Mumbai) ap-south-1
myconnectionbuckpro
Asia Pacific (Singapore) ap-southeast-1
Cancel
Choose path
Choose from existing IAM roles
Enter IAM role ARN
IAM role
32°C
Cloudy
Search
ENG
IN
11:28
25-06-2023


S3 Management Console
s3.console.aws.amazon.com/s3/management/mybuckpro2/replication/create?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Choose a rule scope
Limit the scope of this rule using one or more filters
Apply to all objects in the bucket
Destination
Destination
You can replicate objects across buckets in different AWS Regions (Cross-Region Replication) or you can replicate objects across buckets in the same AWS Region (Same-Region Replication). You can also specify a different bucket for each rule in the configuration. Learn more or see Amazon S3 pricing
Choose a bucket in this account
Specify a bucket in another account
Bucket name
Choose the bucket that will receive replicated objects.
myconnectionbuckpro
Browse S3
Replication requires versioning to be enabled for the destination bucket. Enable object versioning on this bucket to continue creating the replication rule or select a different bucket.
Enable bucket versioning
Destination Region
Asia Pacific (Singapore) ap-southeast-1
CloudShell
Feedback
Language
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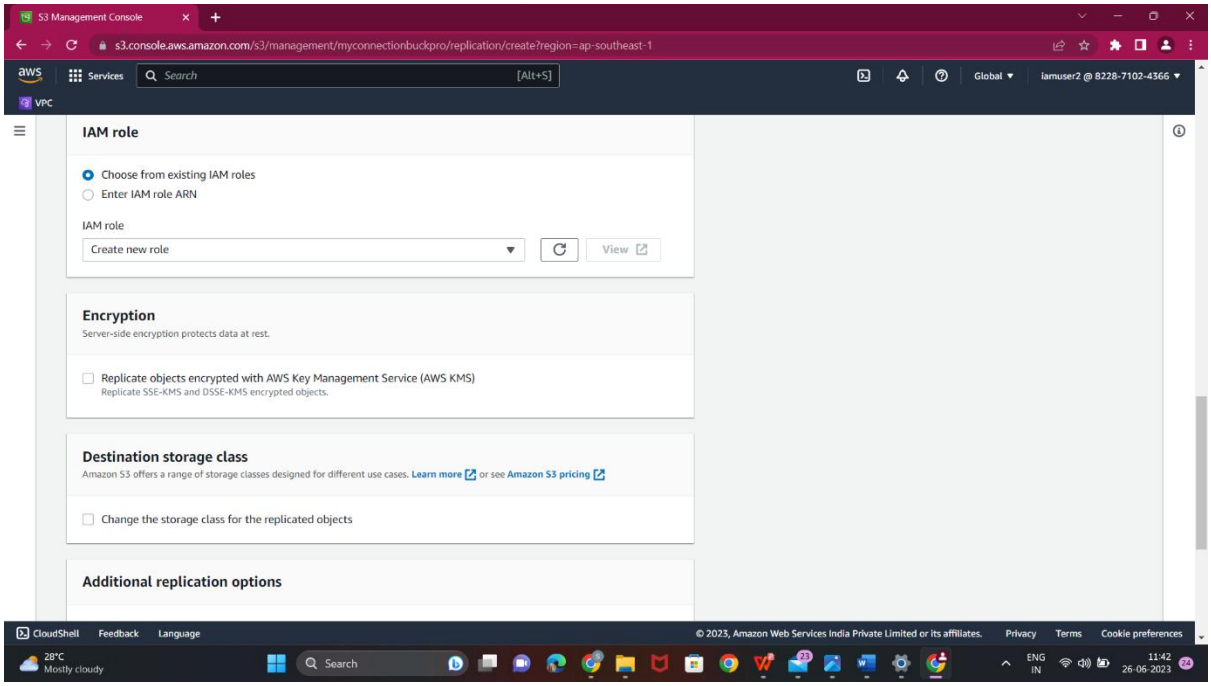
Privacy
Terms
Cookie preferences
32°C
Cloudy
Search
ENG
IN
11:28
25-06-2023


S3 Management Console
s3.console.aws.amazon.com/s3/management/myconnectionbuckpro/replication/create?region=ap-southeast-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
IAM role
Choose from existing IAM roles
Enter IAM role ARN
IAM role
Create new role
View
Encryption
Server-side encryption protects data at rest.
Replicate objects encrypted with AWS Key Management Service (AWS KMS)
Replicate SSE-KMS and DSSE-KMS encrypted objects.
Destination storage class
Amazon S3 offers a range of storage classes designed for different use cases. Learn more or see Amazon S3 pricing
Change the storage class for the replicated objects
Additional replication options
CloudShell
Feedback
Language
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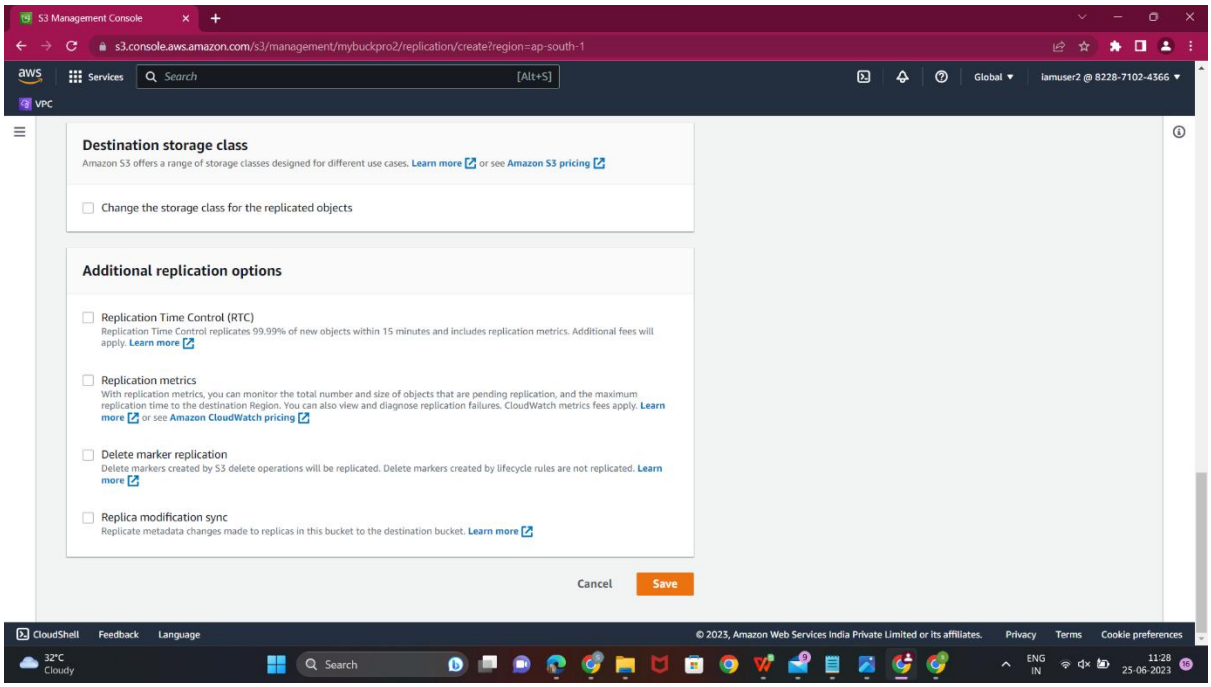
Privacy
Terms
Cookie preferences
28°C
Mostly cloudy
Search
ENG
IN
11:42
26-06-2023


S3 Management Console
s3.console.aws.amazon.com/s3/management/mybuckpro2/replication/create?region=ap-south-1
Destination storage class
Amazon S3 offers a range of storage classes designed for different use cases. Learn more or see Amazon S3 pricing
Change the storage class for the replicated objects
Additional replication options
Replication Time Control (RTC)
Replication Time Control replicates 99.99% of new objects within 15 minutes and includes replication metrics. Additional fees will apply. Learn more
Replication metrics
With replication metrics, you can monitor the total number and size of objects that are pending replication, and the maximum replication time to the destination Region. You can also view and diagnose replication failures. CloudWatch metrics fees apply. Learn more or see Amazon CloudWatch pricing
Delete marker replication
Delete markers created by S3 delete operations will be replicated. Delete markers created by lifecycle rules are not replicated. Learn more
Replica modification sync
Replicate metadata changes made to replicas in this bucket to the destination bucket. Learn more
Cancel
Save
CloudShell
Feedback
Language
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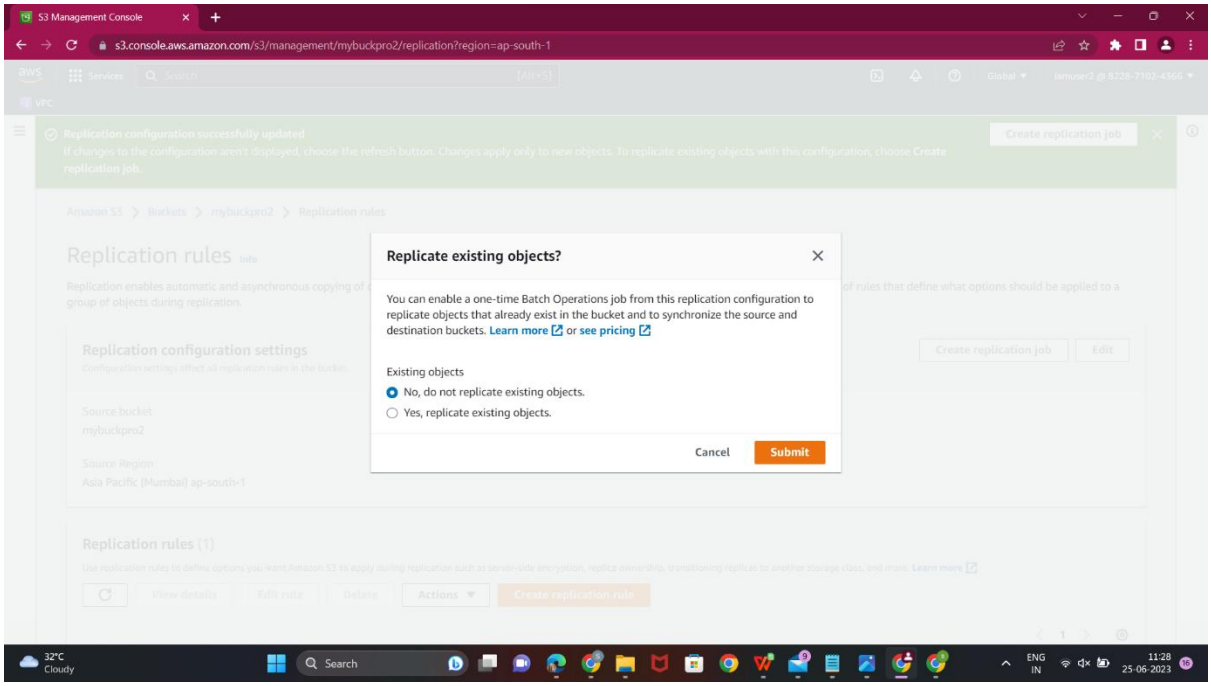
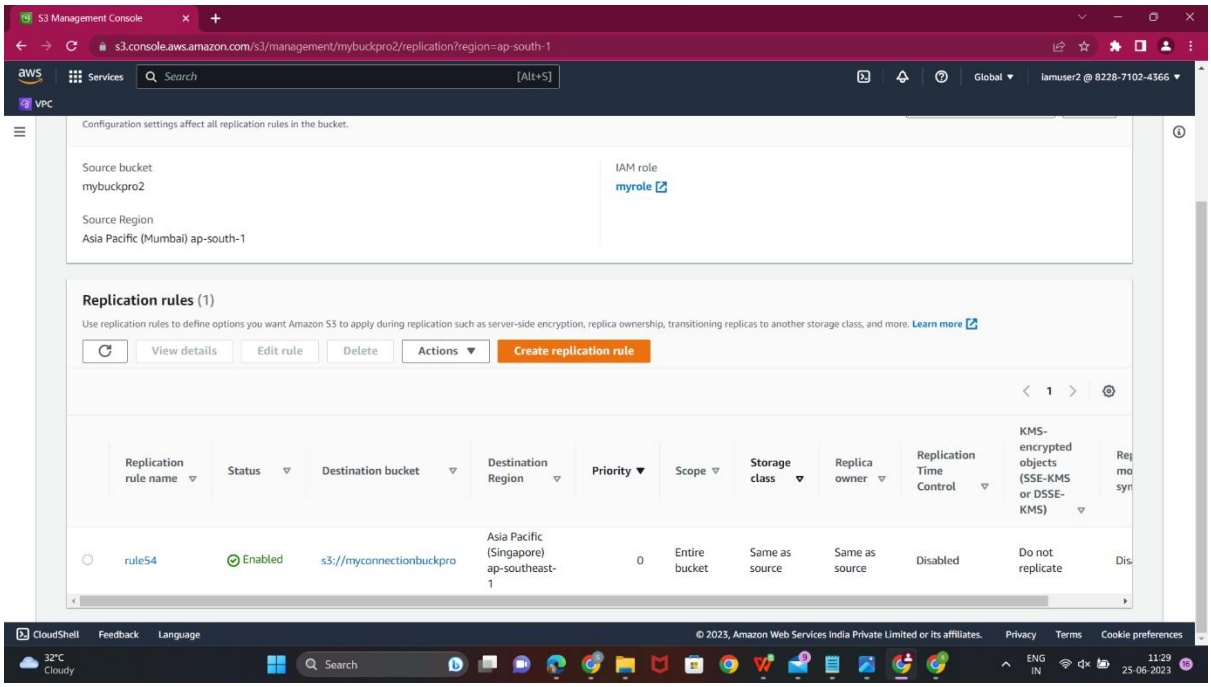
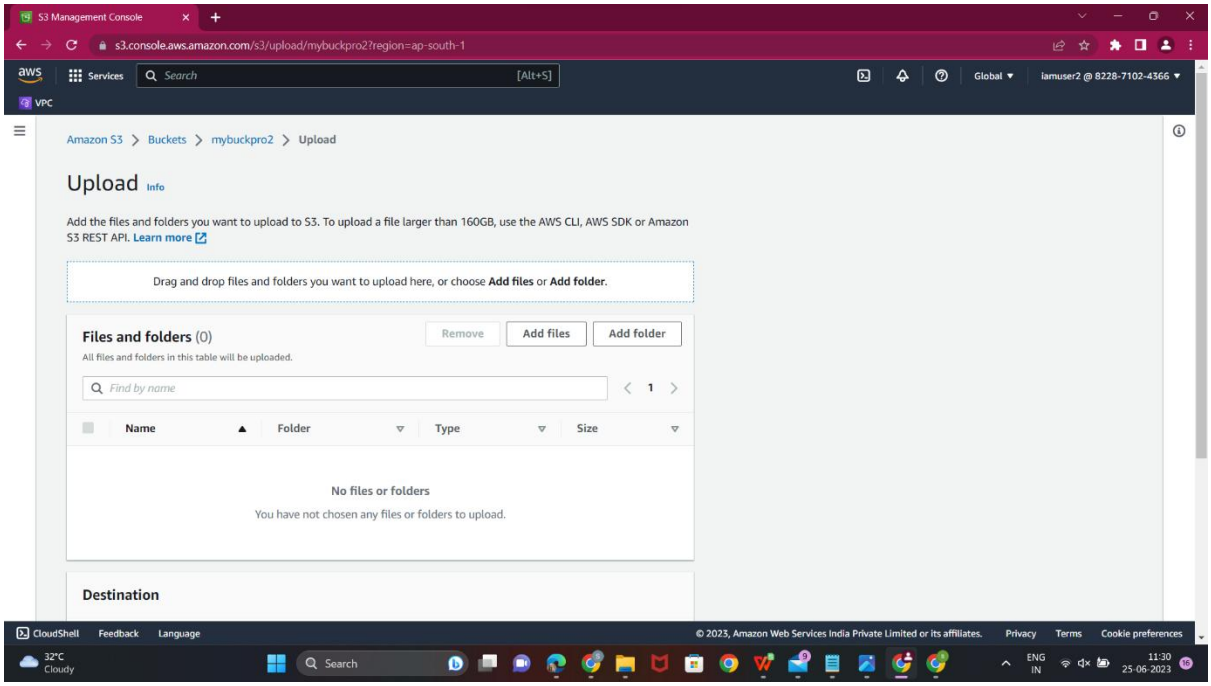
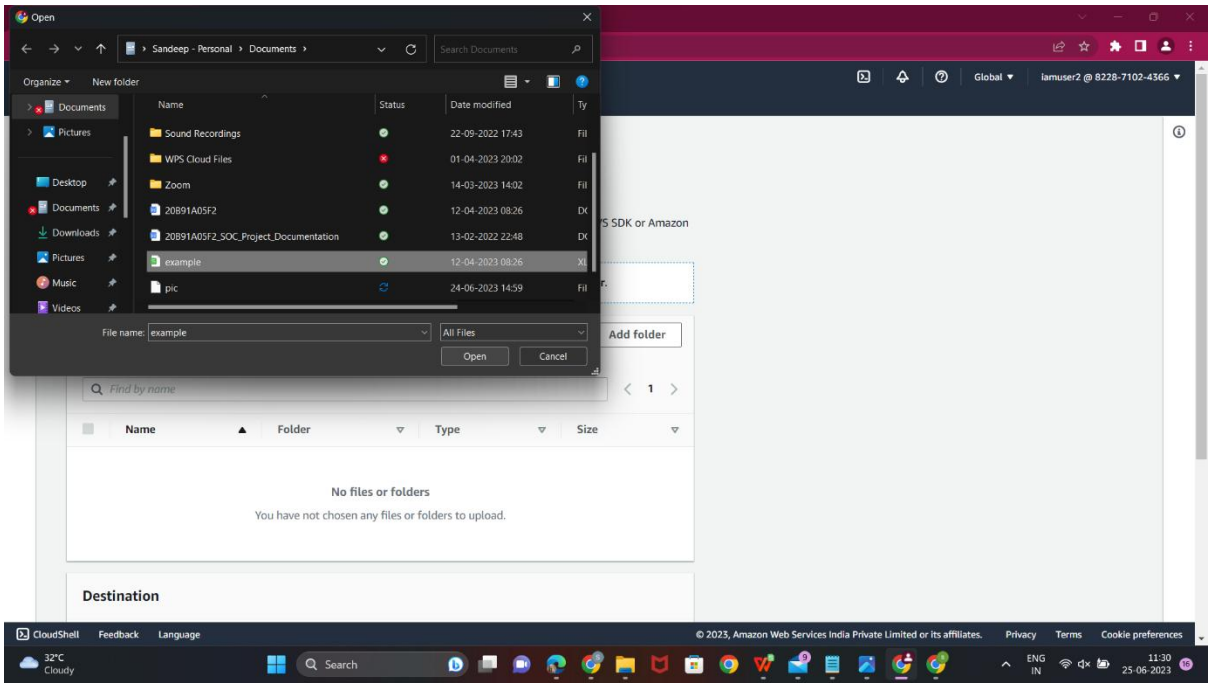
Privacy
Terms
Cookie preferences


S3 Management Console
s3.console.aws.amazon.com/s3/management/mybuckpro2/replication?region=ap-south-1
Replication configuration successfully updated
Replication rules
Replicate existing objects?
You can enable a one-time Batch Operations job from this replication configuration to replicate objects that already exist in the bucket and to synchronize the source and destination buckets. Learn more or see pricing
Existing objects
No, do not replicate existing objects.
Yes, replicate existing objects.
Cancel
Submit



Step 12:After replication rule upload a file in mybuckpro2




Open
Sandeep - Personal › Documents ›
Search Documents
Organize
New folder
Documents
Pictures
Desktop
Downloads
Music
Videos
Name
Status
Date modified
Sound Recordings
WPS Cloud Files
Zoom
20B91A05F2
20B91A05F2_SOC_Project_Documentation
example
pic
File name: example
All Files
Open
Cancel
Add folder
Find by name
Name
Folder
Type
Size
No files or folders
You have not chosen any files or folders to upload.
Destination
CloudShell
Feedback
Language
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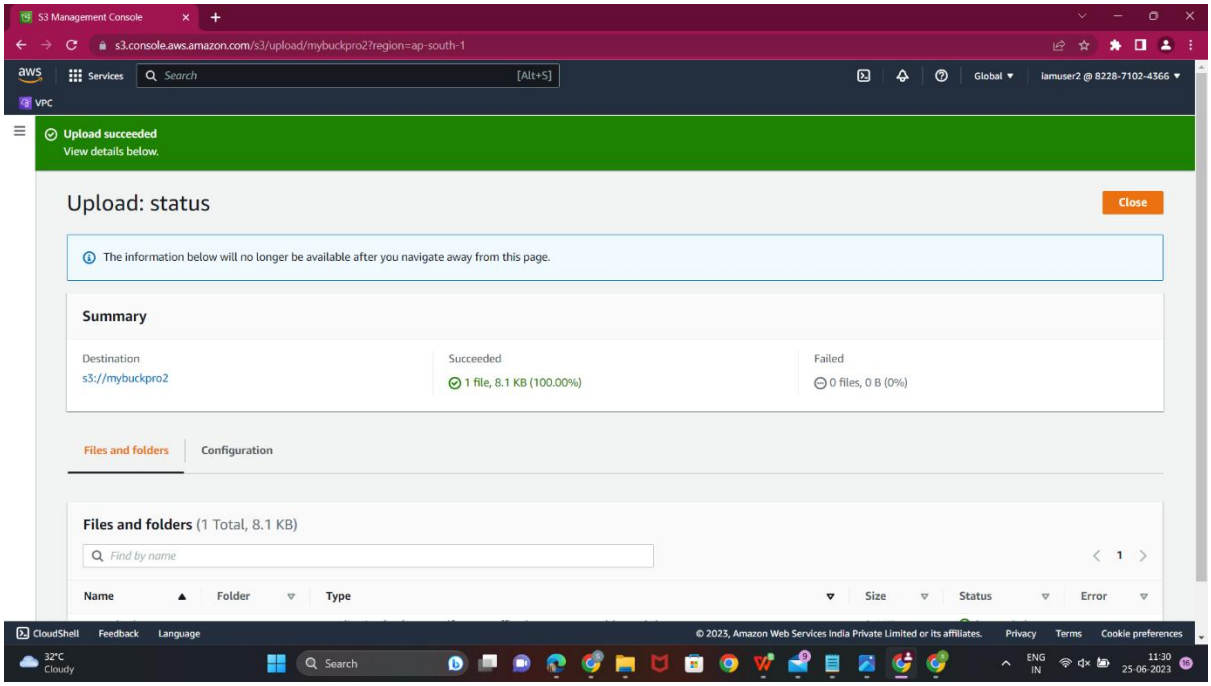
Privacy
Terms
Cookie preferences
Search


S3 Management Console
s3.console.aws.amazon.com/s3/upload/mybuckpro2?region=ap-south-1
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Upload succeeded
View details below.
Upload: status
Close
The information below will no longer be available after you navigate away from this page.
Summary
Destination
s3://mybuckpro2
Succeeded
1 file, 8.1 KB (100.00%)
Failed
0 files, 0 B (0%)
Files and folders
Configuration
Files and folders (1 Total, 8.1 KB)
Find by name
Name
Folder
Type
Size
Status
Error
CloudShell
Feedback
Language
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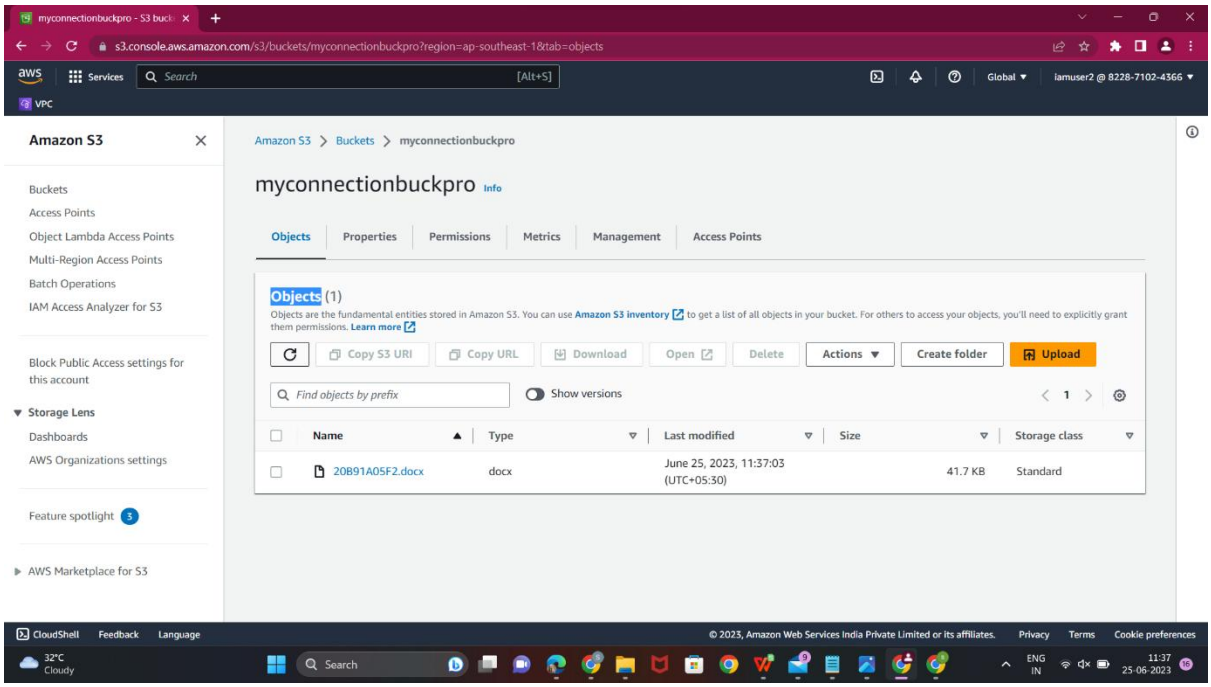
Terms
Cookie preferences
Search


myconnectionbuckpro - S3 buck
s3.console.aws.amazon.com/s3/buckets/myconnectionbuckpro?region=ap-southeast-1&tab=objects
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
Amazon S3 > Buckets > myconnectionbuckpro
myconnectionbuckpro Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Objects (1)
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
Find objects by prefix
Show versions
Name
Type
Last modified
Size
Storage class
20B91A05F2.docx
docx
June 25, 2023, 11:37:03 (UTC+05:30)
41.7 KB
Standard
CloudShell
Feedback
Language
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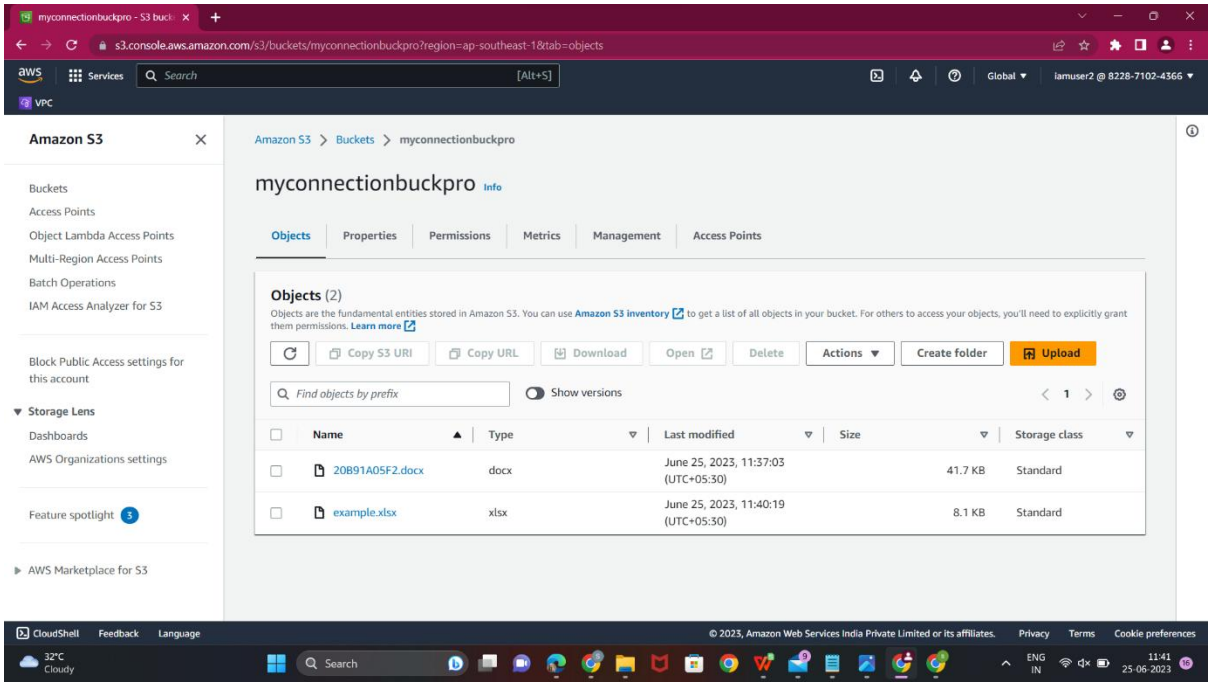
Privacy
Terms
Cookie preferences
32°C Cloudy
Search
ENG IN
11:37 25-06-2023


myconnectionbuckpro - S3 buck
s3.console.aws.amazon.com/s3/buckets/myconnectionbuckpro?region=ap-southeast-1&tab=objects
Services
Search
[Alt+S]
Global
iamuser2 @ 8228-7102-4366
VPC
Amazon S3
Buckets
Access Points
Object Lambda Access Points
Multi-Region Access Points
Batch Operations
IAM Access Analyzer for S3
Block Public Access settings for this account
Storage Lens
Dashboards
AWS Organizations settings
Feature spotlight
AWS Marketplace for S3
Amazon S3 > Buckets > myconnectionbuckpro
myconnectionbuckpro Info
Objects
Properties
Permissions
Metrics
Management
Access Points
Objects (2)
Objects are the fundamental entities stored in Amazon S3. You can use Amazon S3 inventory to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. Learn more
Copy S3 URI
Copy URL
Download
Open
Delete
Actions
Create folder
Upload
Find objects by prefix
Show versions
Name
Type
Last modified
Size
Storage class
20B91A05F2.docx
docx
June 25, 2023, 11:37:03 (UTC+05:30)
41.7 KB
Standard
example.xlsx
xlsx
June 25, 2023, 11:40:19 (UTC+05:30)
8.1 KB
Standard
CloudShell
Feedback
Language
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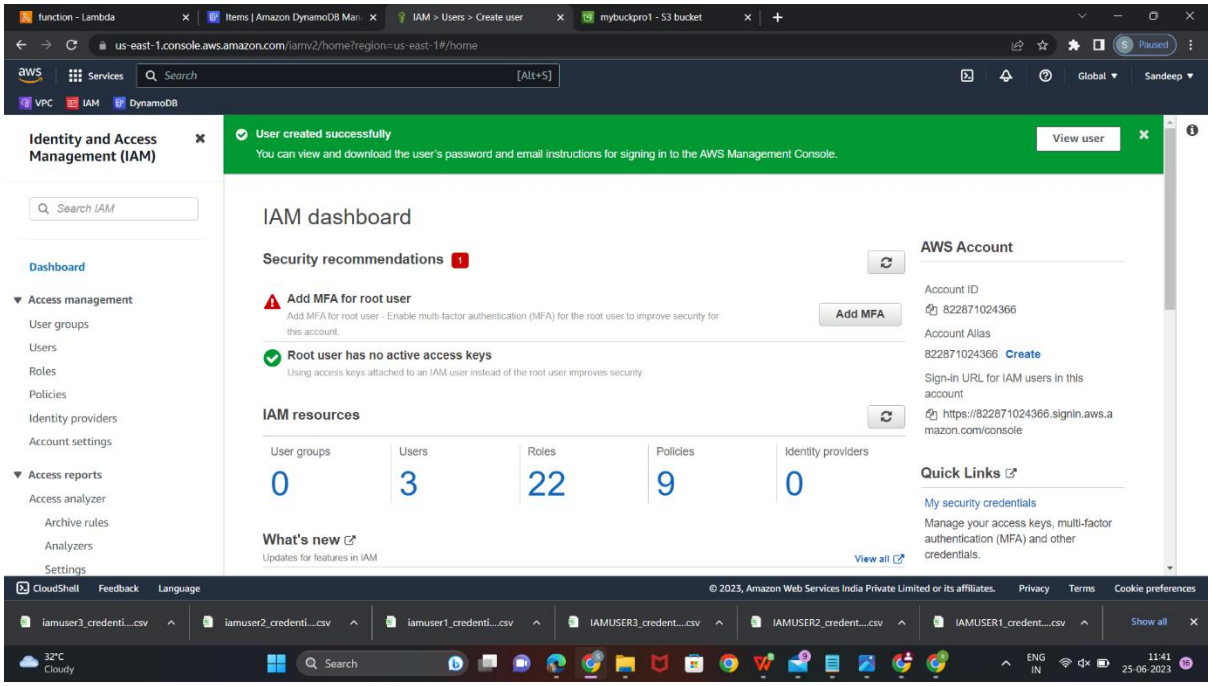
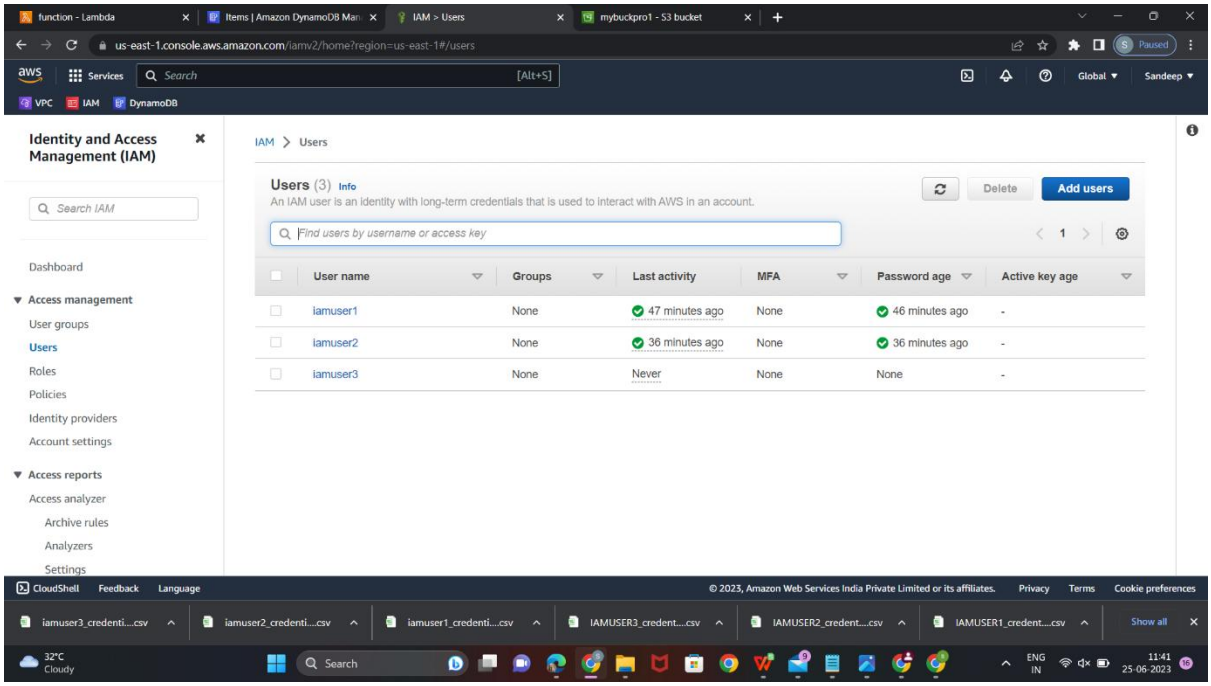
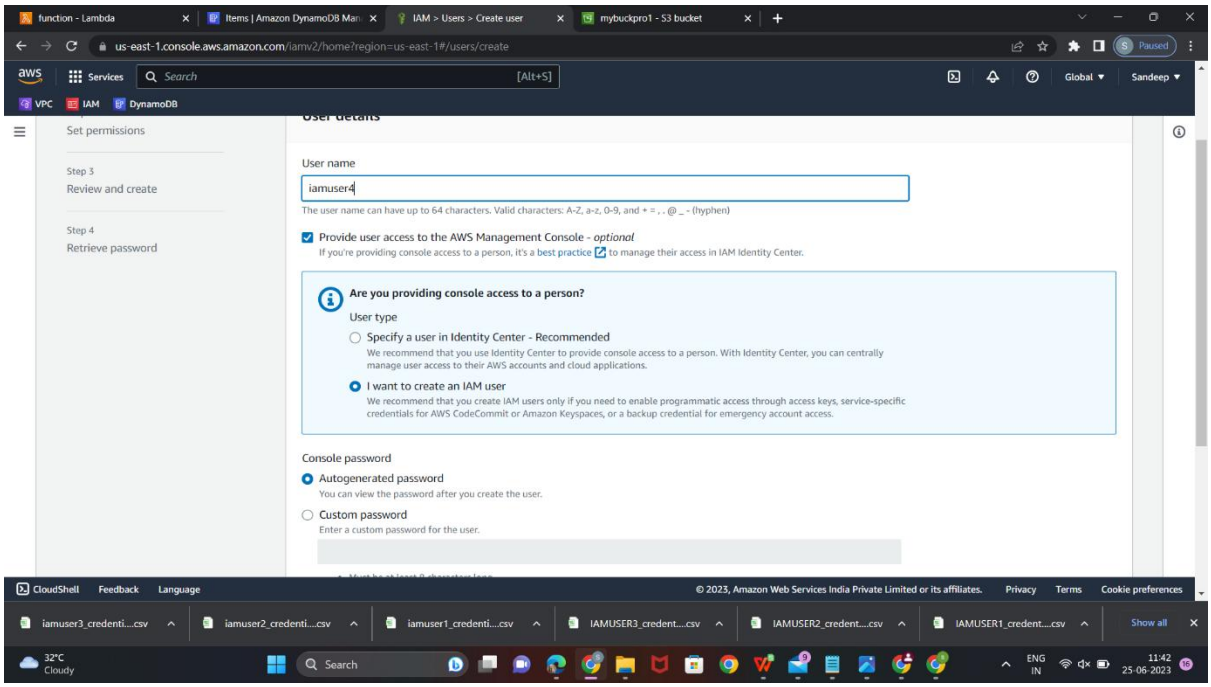
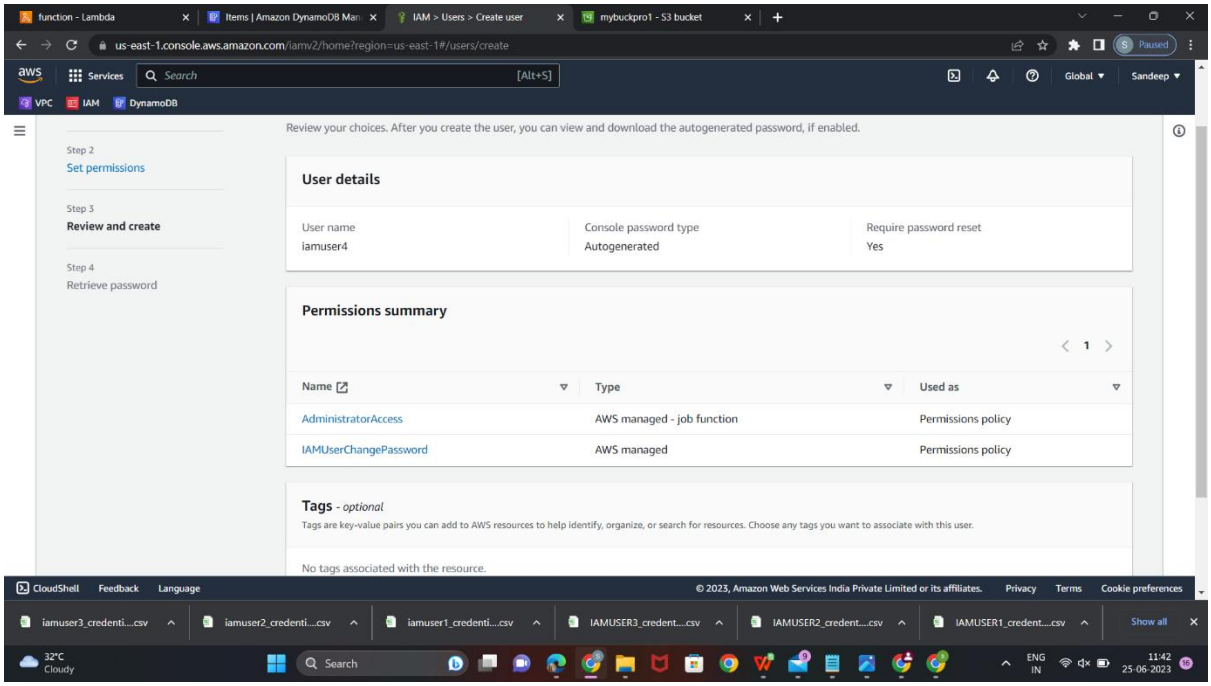
Cookie preferences
32°C Cloudy
Search
ENG IN
11:41 25-06-2023

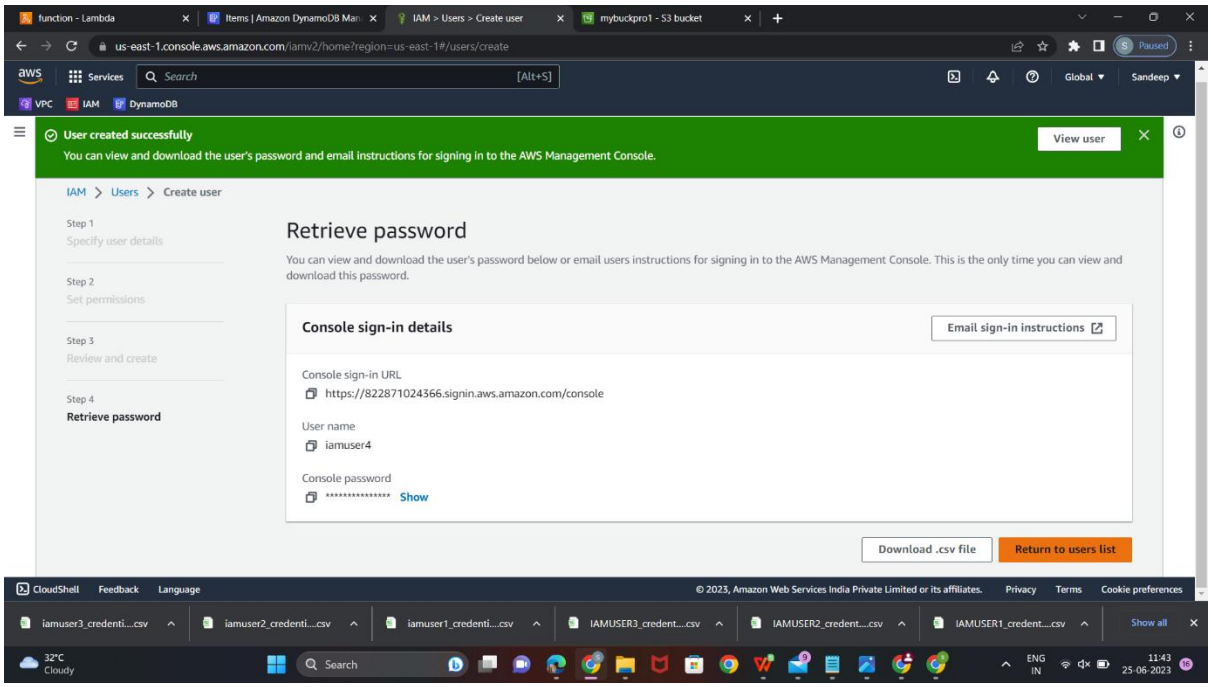
Step 13:Create an IAM user as iamuser4 and login into it

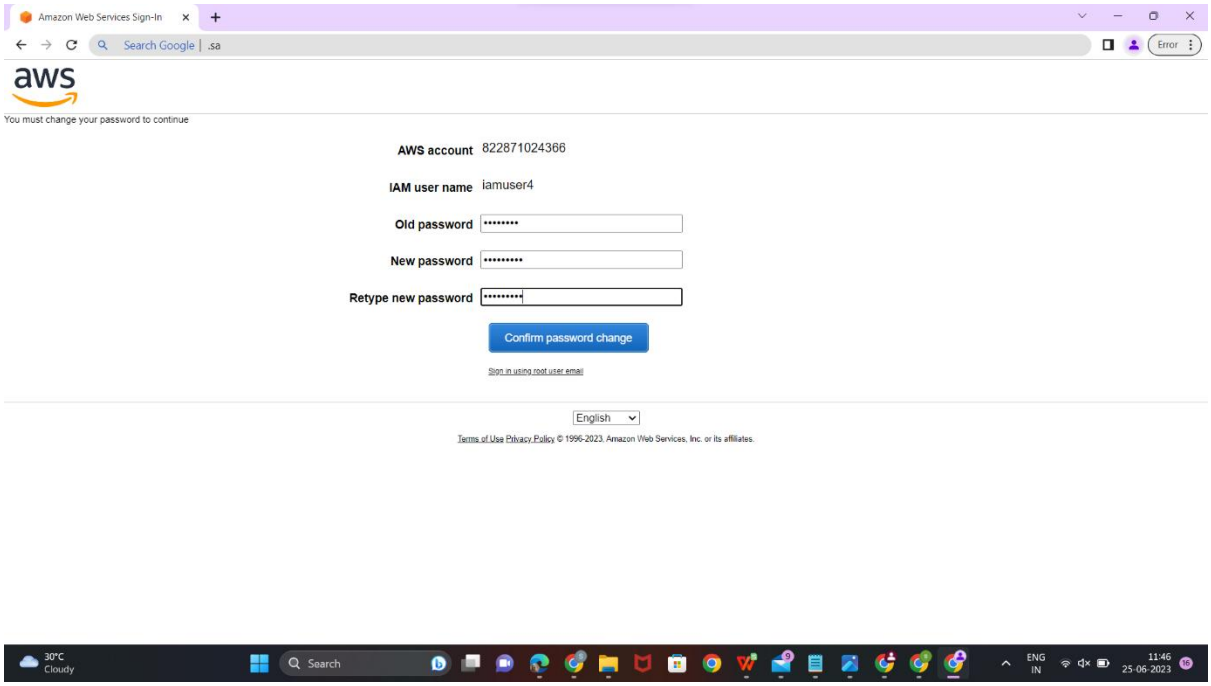


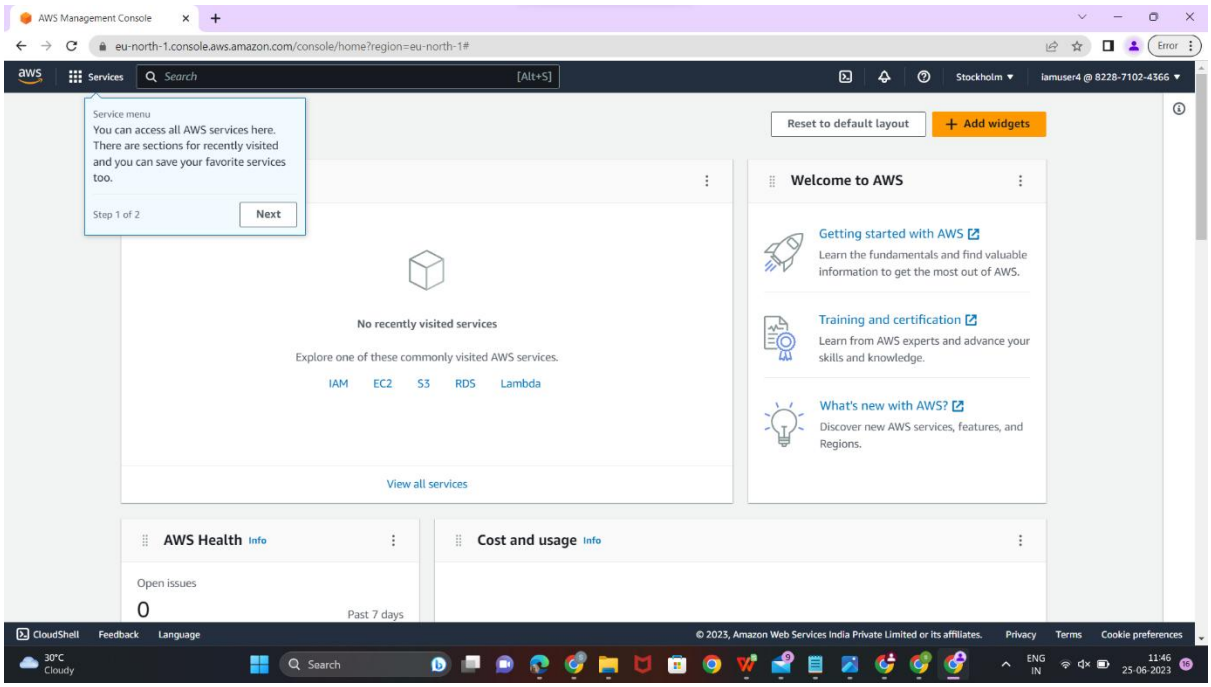



function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
Set permissions
Step 3
Review and create
Step 4
Retrieve password
User name
iamuser4
The user name can have up to 64 characters. Valid characters: A-Z, a-z, 0-9, and + = , . @ _ - (hyphen)
Provide user access to the AWS Management Console - optional
If you're providing console access to a person, it's a best practice to manage their access in IAM Identity Center.
Are you providing console access to a person?
User type
Specify a user in Identity Center - Recommended
We recommend that you use Identity Center to provide console access to a person. With Identity Center, you can centrally manage user access to their AWS accounts and cloud applications.
I want to create an IAM user
We recommend that you create IAM users only if you need to enable programmatic access through access keys, service-specific credentials for AWS CodeCommit or Amazon Keyspaces, or a backup credential for emergency account access.
Console password
Autogenerated password
You can view the password after you create the user.
Custom password
Enter a custom password for the user.
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
IN
11:42
25-06-2023

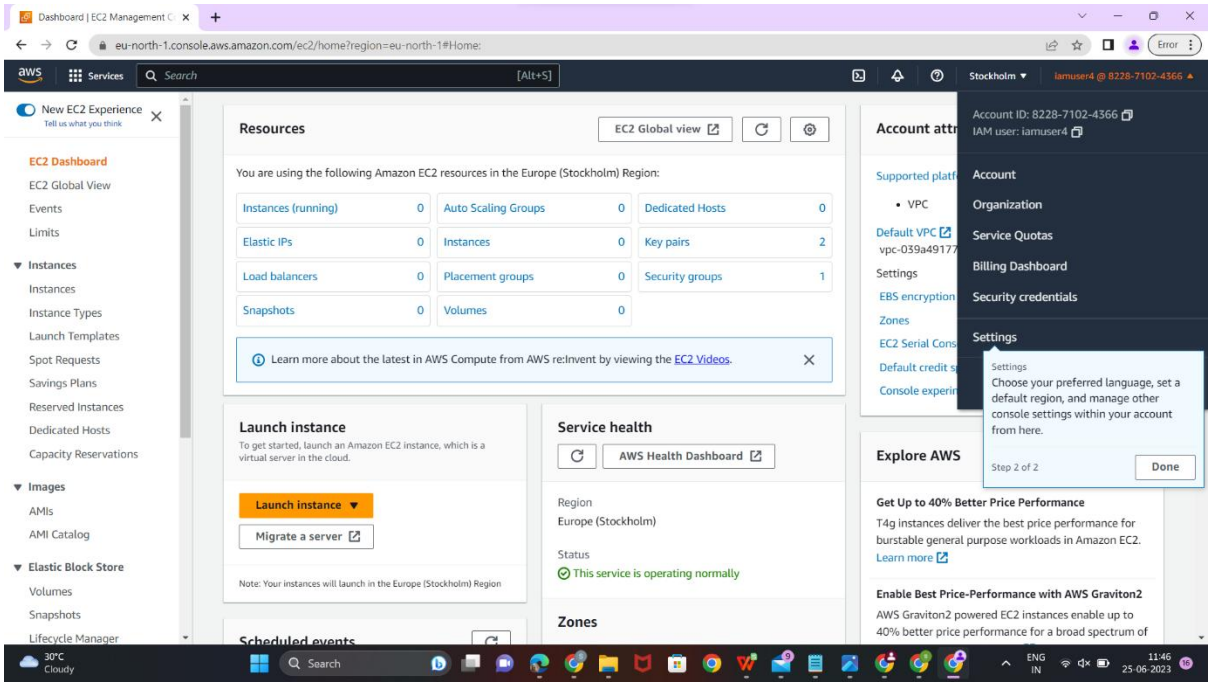

function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
Review your choices. After you create the user, you can view and download the autogenerated password, if enabled.
User details
User name
iamuser4
Console password type
Autogenerated
Require password reset
Yes
Permissions summary
Name
Type
Used as
AdministratorAccess
AWS managed - job function
Permissions policy
IAMUserChangePassword
AWS managed
Permissions policy
Tags - optional
Tags are key-value pairs you can add to AWS resources to help identify, organize, or search for resources. Choose any tags you want to associate with this user.
No tags associated with the resource.
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
IN
11:42
25-06-2023

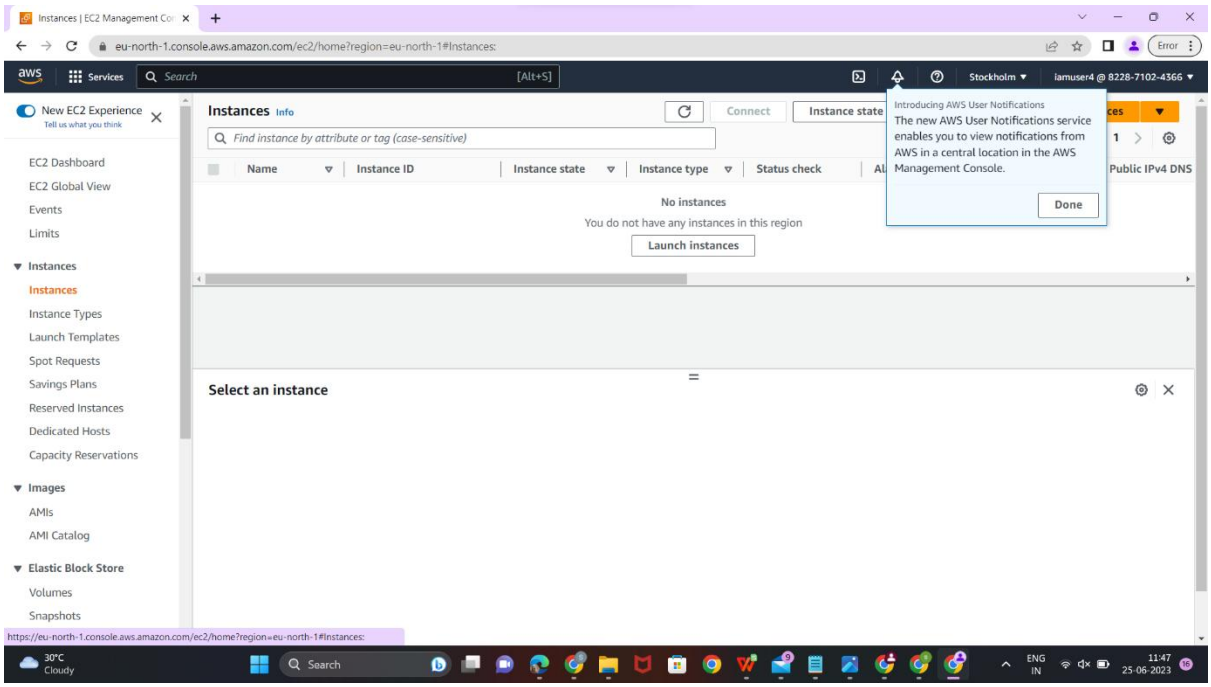

function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > Create user
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/create
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
User created successfully
You can view and download the user's password and email instructions for signing in to the AWS Management Console.
View user
IAM > Users > Create user
Step 1
Specify user details
Step 2
Set permissions
Step 3
Review and create
Step 4
Retrieve password
Retrieve password
You can view and download the user's password below or email users instructions for signing in to the AWS Management Console. This is the only time you can view and download this password.
Console sign-in details
Email sign-in instructions
Console sign-in URL
https://822871024366.signin.aws.amazon.com/console
User name
iamuser4
Console password
********** Show
Download .csv file
Return to users list
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
IAMUSER2_credent....csv
IAMUSER1_credent....csv
Show all
32°C
Cloudy
Search
ENG
IN
11:43
25-06-2023

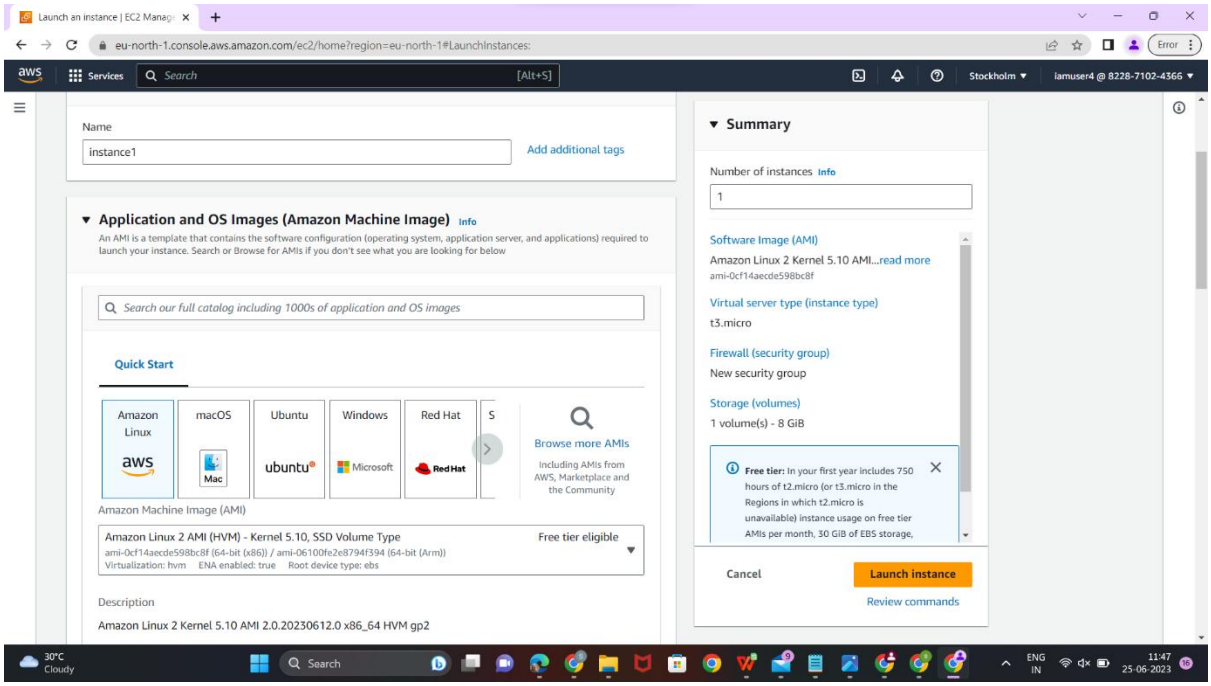

Amazon Web Services Sign-In
Search Google | .sa
Error
aws
You must change your password to continue
AWS account 822871024366
IAM user name iamuser4
Old password ••••••••
New password ••••••••
Retype new password ••••••••
Confirm password change
Sign in using root user email
English
Terms of Use Privacy Policy © 1996-2023, Amazon Web Services, Inc. or its affiliates.
30°C
Cloudy
Search
ENG
IN
11:46
25-06-2023

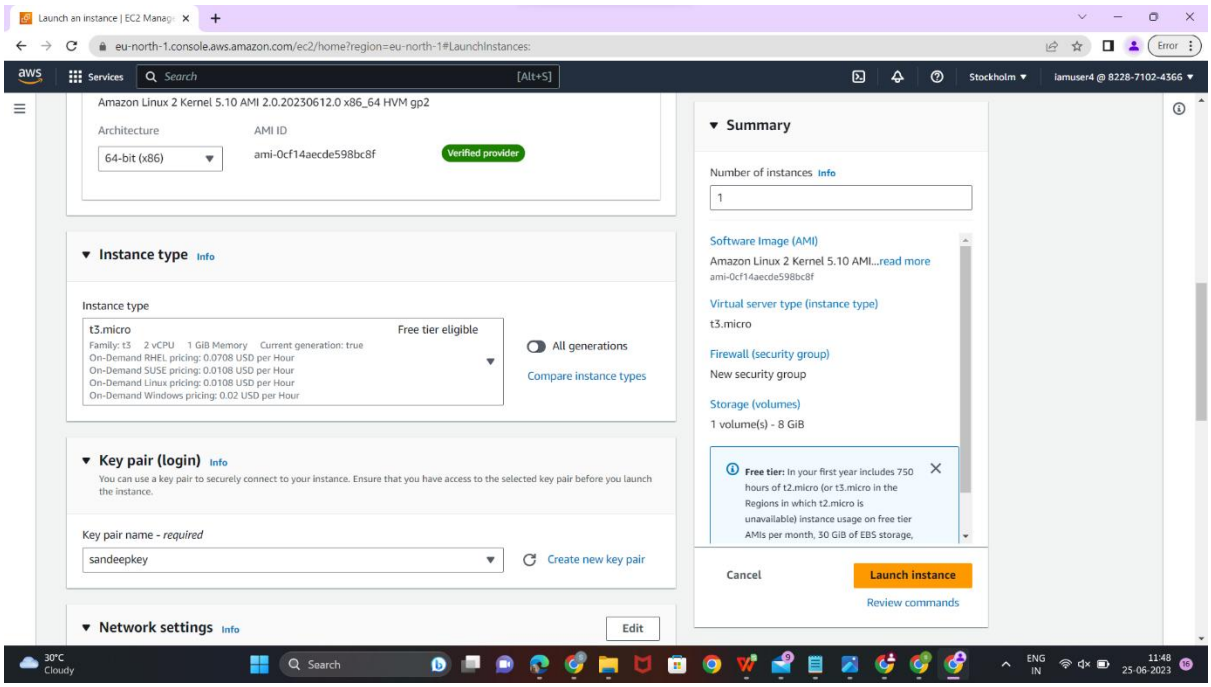


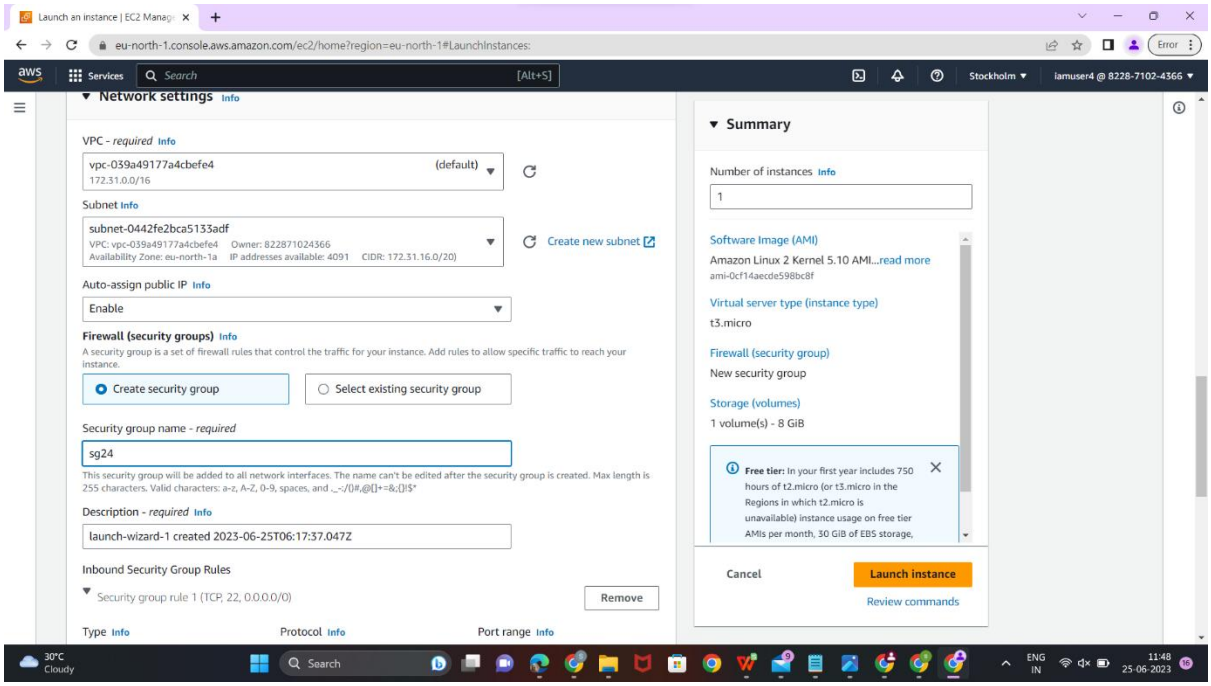
Step 14:Open EC2 and launch a instance

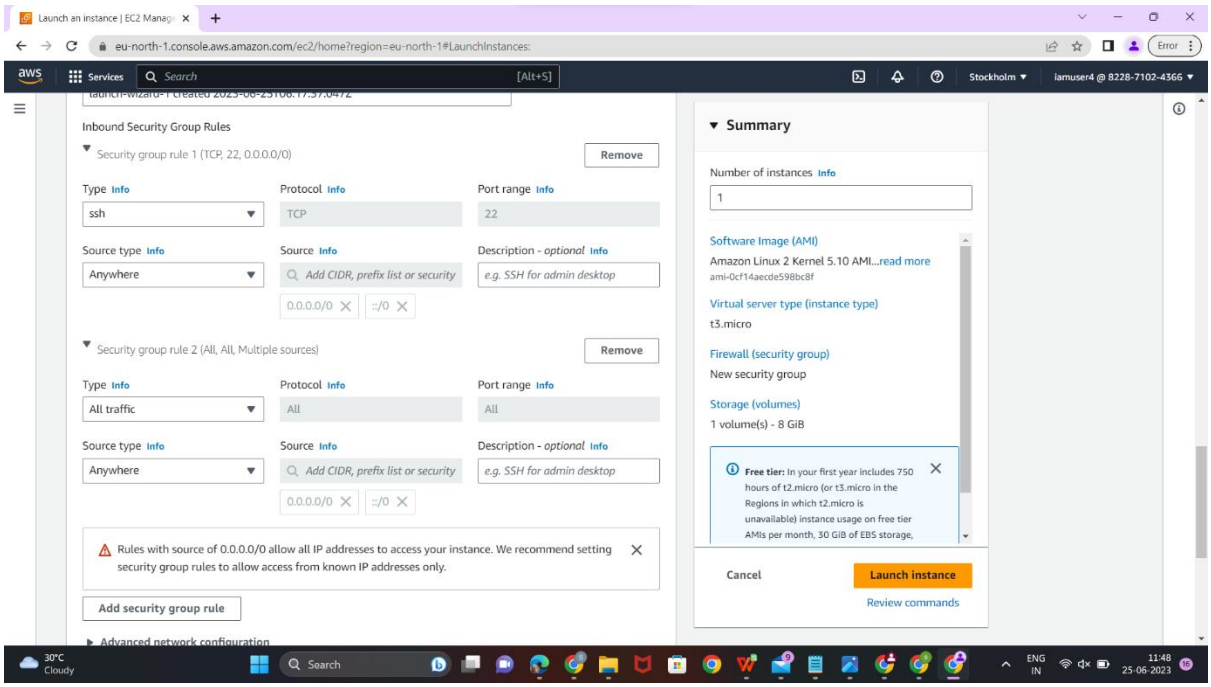


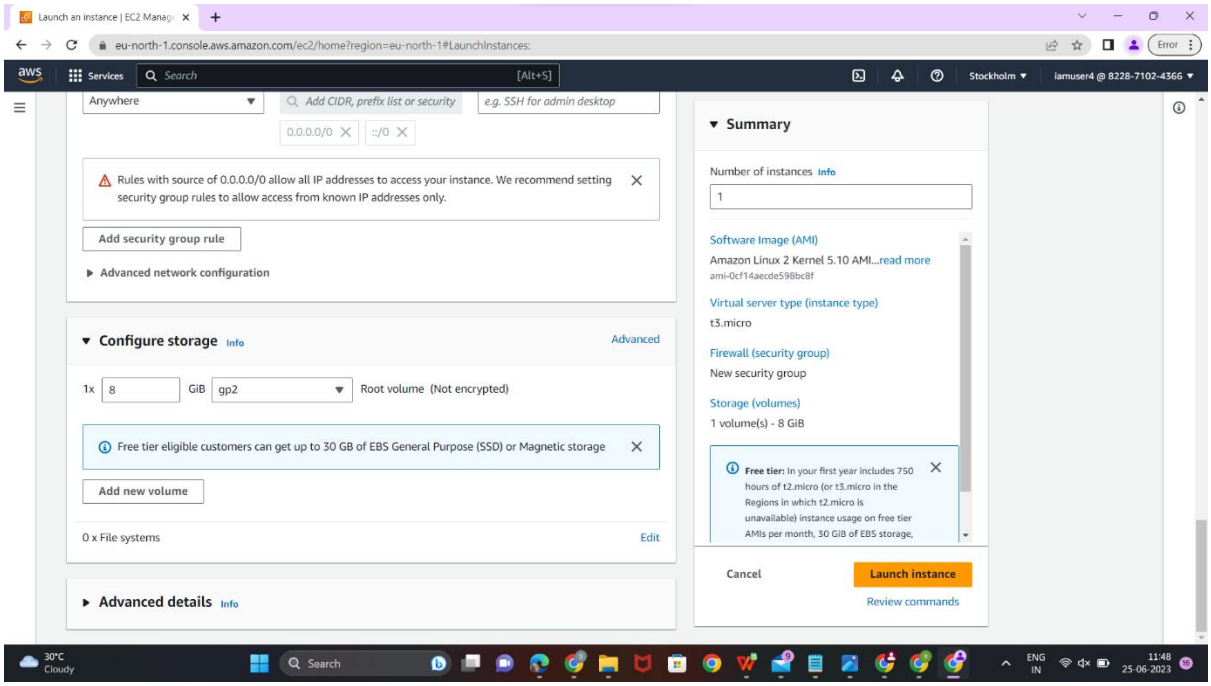

Instances | EC2 Management Co
eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:
Services
Search
[Alt+S]
Stockholm
iamuser4 @ 8228-7102-4366
New EC2 Experience
Tell us what you think
EC2 Dashboard
EC2 Global View
Events
Limits
Instances
Instances
Instance Types
Launch Templates
Spot Requests
Savings Plans
Reserved Instances
Dedicated Hosts
Capacity Reservations
Images
AMIs
AMI Catalog
Elastic Block Store
Volumes
Snapshots
Instances Info
Connect
Instance state
Find instance by attribute or tag (case-sensitive)
Name
Instance ID
Instance state
Instance type
Status check
Public IPv4 DNS
No instances
You do not have any instances in this region
Launch instances
Introducing AWS User Notifications
The new AWS User Notifications service enables you to view notifications from AWS in a central location in the AWS Management Console.
Done
Select an instance
https://eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#Instances:
30°C
Cloudy
Search
ENG
IN
11:47
25-06-2023

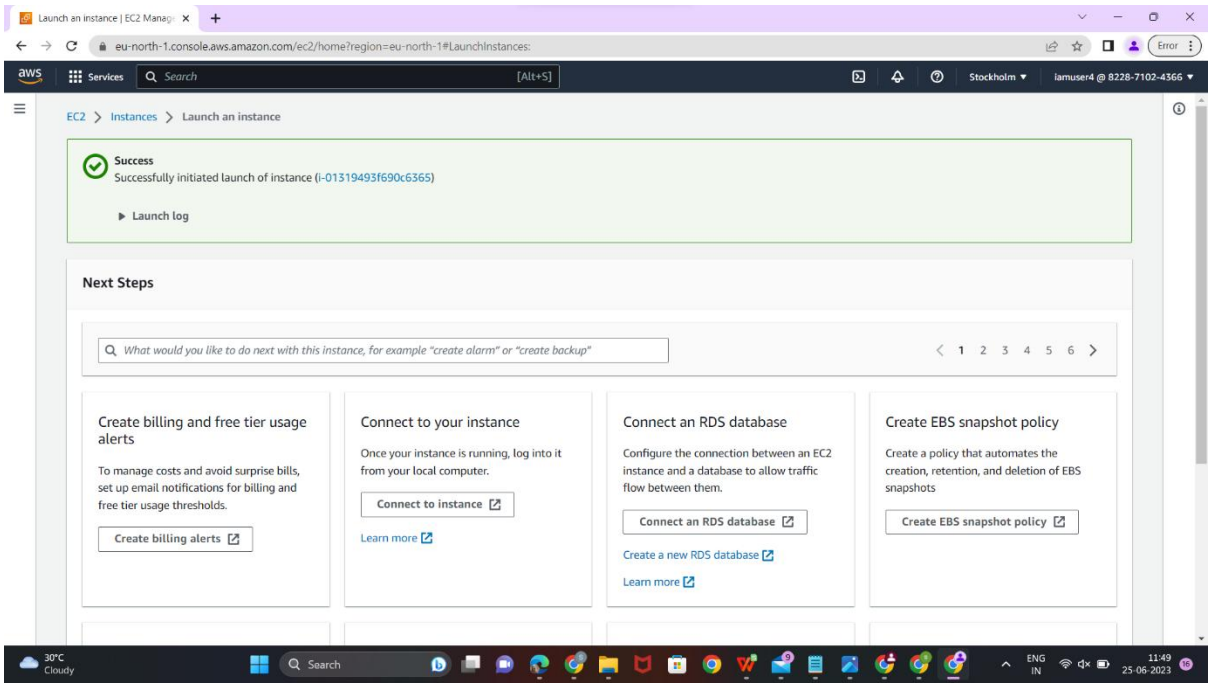

Launch an instance | EC2 Manag
eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:
Services
Search
[Alt+S]
Stockholm
iamuser4 @ 8228-7102-4366
Name
instance1
Add additional tags
Application and OS Images (Amazon Machine Image) Info
An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. Search or Browse for AMIs if you don't see what you are looking for below
Search our full catalog including 1000s of application and OS images
Quick Start
Amazon Linux
macOS
Ubuntu
Windows
Red Hat
Browse more AMIs
Including AMIs from AWS, Marketplace and the Community
Amazon Machine Image (AMI)
Amazon Linux 2 AMI (HVM) - Kernel 5.10, SSD Volume Type
Free tier eligible
ami-0cf14aecde598bc8f (64-bit (x86)) / ami-06100fe2e8794f394 (64-bit (Arm))
Virtualization: hvm ENA enabled: true Root device type: ebs
Description
Amazon Linux 2 Kernel 5.10 AMI 2.0.20230612.0 x86_64 HVM gp2
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0cf14aecde598bc8f
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Review commands
30°C
Cloudy
Search
ENG
IN
11:47
25-06-2023


Launch an instance | EC2 Manage
eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:
Services
Search
[Alt+S]
Stockholm
iamuser4 @ 8228-7102-4366
Amazon Linux 2 Kernel 5.10 AMI 2.0.20230612.0 x86_64 HVM gp2
Architecture
64-bit (x86)
AMI ID
ami-0cf14aecde598bc8f
Verified provider
Instance type Info
Instance type
t3.micro
Free tier eligible
Family: t3 2 vCPU 1 GiB Memory Current generation: true
On-Demand RHEL pricing: 0.0708 USD per Hour
On-Demand SUSE pricing: 0.0108 USD per Hour
On-Demand Linux pricing: 0.0108 USD per Hour
On-Demand Windows pricing: 0.02 USD per Hour
All generations
Compare instance types
Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
sandeepkey
Create new key pair
Network settings Info
Edit
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0cf14aecde598bc8f
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Review commands
30°C
Cloudy
Search
ENG
IN
11:48
25-06-2023

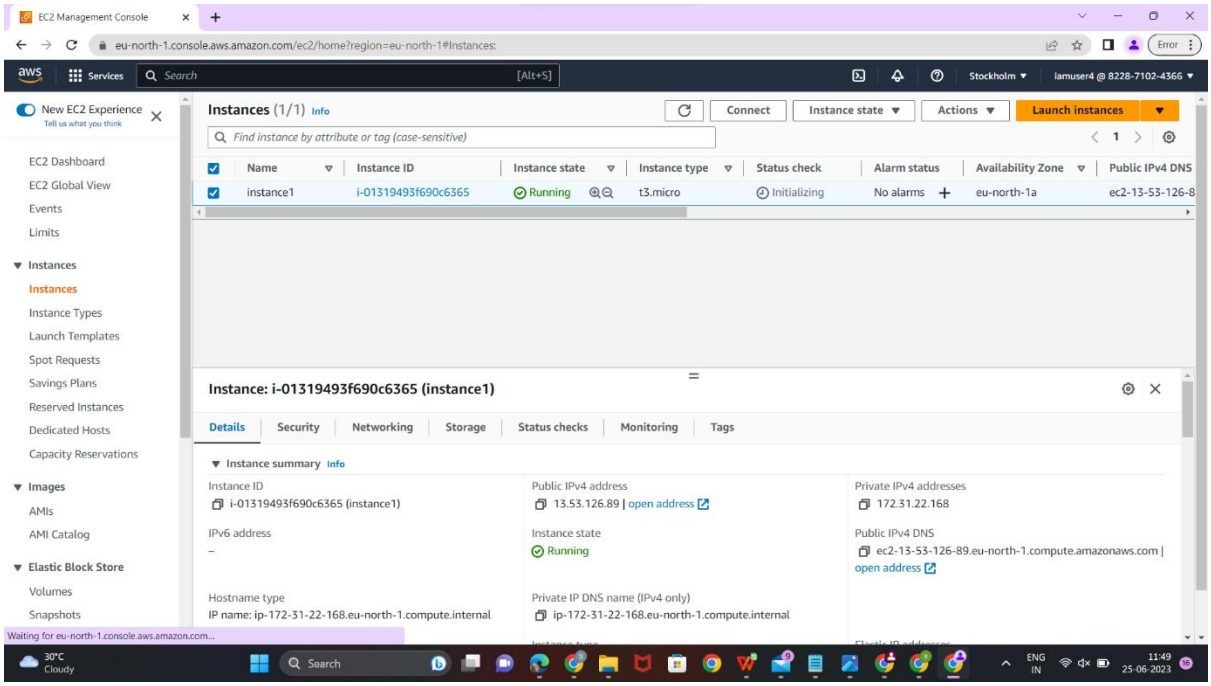

Launch an instance | EC2 Manage
eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:
Services
Search
[Alt+S]
Stockholm
iamuser4 @ 8228-7102-4366
Network settings Info
VPC - required Info
vpc-039a49177a4cbefe4 (default)
172.31.0.0/16
Subnet Info
subnet-0442fe2bca5133adf
VPC: vpc-039a49177a4cbefe4 Owner: 822871024366
Availability Zone: eu-north-1a IP addresses available: 4091 CIDR: 172.31.16.0/20)
Create new subnet
Auto-assign public IP Info
Enable
Firewall (security groups) Info
A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.
Create security group
Select existing security group
Security group name - required
sg24
This security group will be added to all network interfaces. The name can't be edited after the security group is created. Max length is 255 characters. Valid characters: a-z, A-Z, 0-9, spaces, and ._-:/()#,@[]+=&;{}!$*
Description - required Info
launch-wizard-1 created 2023-06-25T06:17:37.047Z
Inbound Security Group Rules
Security group rule 1 (TCP, 22, 0.0.0.0/0)
Remove
Type Info
Protocol Info
Port range Info
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0cf14aecde598bc8f
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Review commands
30°C
Cloudy
Search
ENG
IN
11:48
25-06-2023

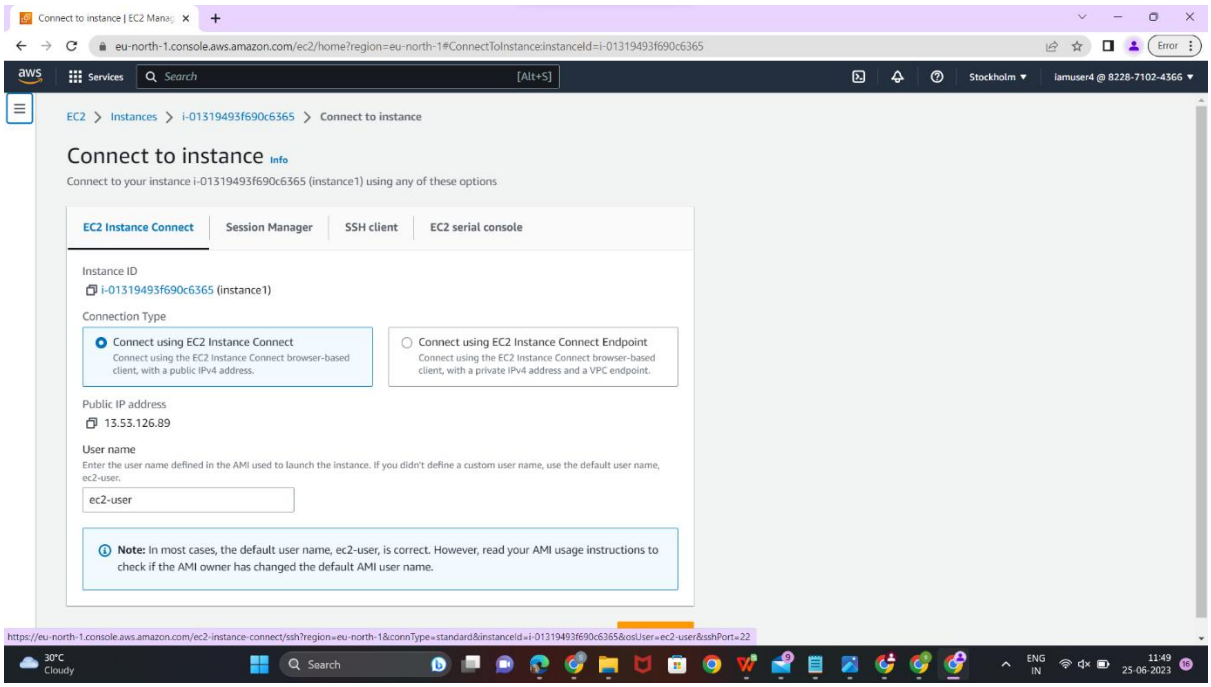

Launch an instance | EC2 Manage
eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:
Services
Search
[Alt+S]
Stockholm
iamuser4 @ 8228-7102-4366
Inbound Security Group Rules
Security group rule 1 (TCP, 22, 0.0.0.0/0)
Remove
Type Info
ssh
Protocol Info
TCP
Port range Info
22
Source type Info
Anywhere
Source Info
Add CIDR, prefix list or security
Description - optional Info
e.g. SSH for admin desktop
0.0.0.0/0
::/0
Security group rule 2 (All, All, Multiple sources)
Remove
Type Info
All traffic
Protocol Info
All
Port range Info
All
Source type Info
Anywhere
Source Info
Add CIDR, prefix list or security
Description - optional Info
e.g. SSH for admin desktop
0.0.0.0/0
::/0
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Add security group rule
Advanced network configuration
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0cf14aecde598bc8f
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Review commands
30°C
Cloudy
Search
ENG
IN
11:48
25-06-2023

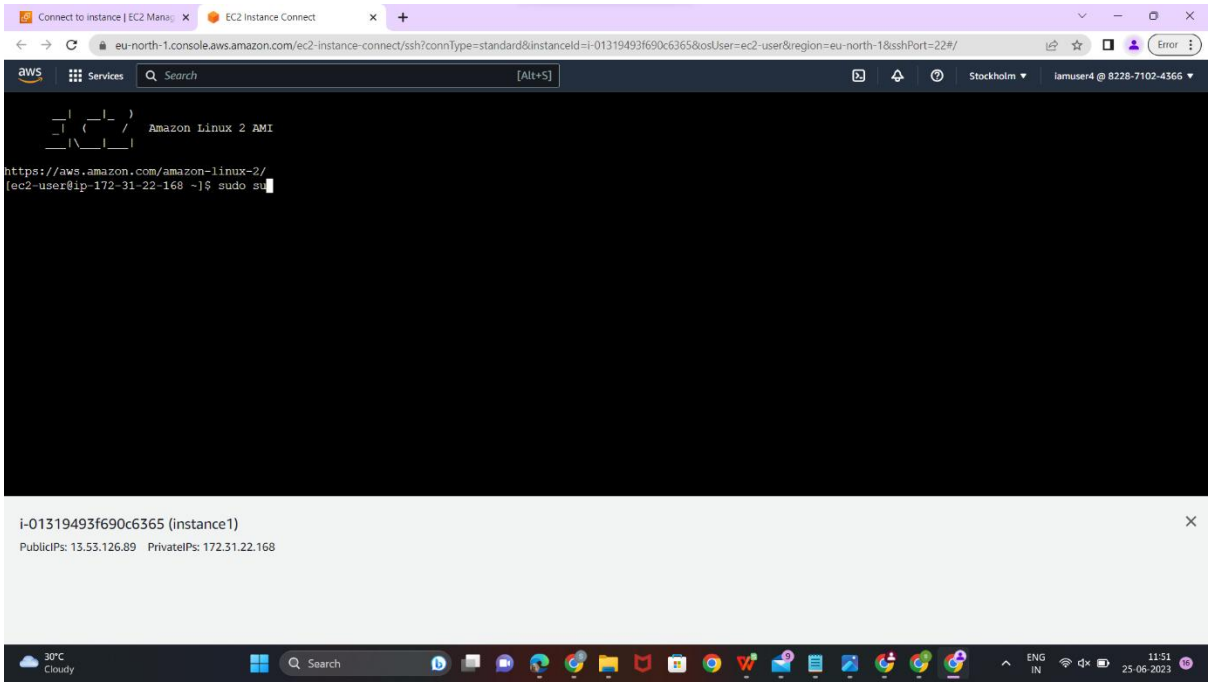

Launch an instance | EC2 Manage
eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#LaunchInstances:
Services
Search
[Alt+S]
Stockholm
iamuser4 @ 8228-7102-4366
Anywhere
Add CIDR, prefix list or security
e.g. SSH for admin desktop
0.0.0.0/0
::/0
Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only.
Add security group rule
Advanced network configuration
Configure storage Info
Advanced
1x
8
GiB
gp2
Root volume (Not encrypted)
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage
Add new volume
0 x File systems
Edit
Advanced details Info
Summary
Number of instances Info
1
Software Image (AMI)
Amazon Linux 2 Kernel 5.10 AMI...read more
ami-0cf14aecde598bc8f
Virtual server type (instance type)
t3.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage,
Cancel
Launch instance
Review commands
30°C
Cloudy
Search
ENG
IN
11:48
25-06-2023



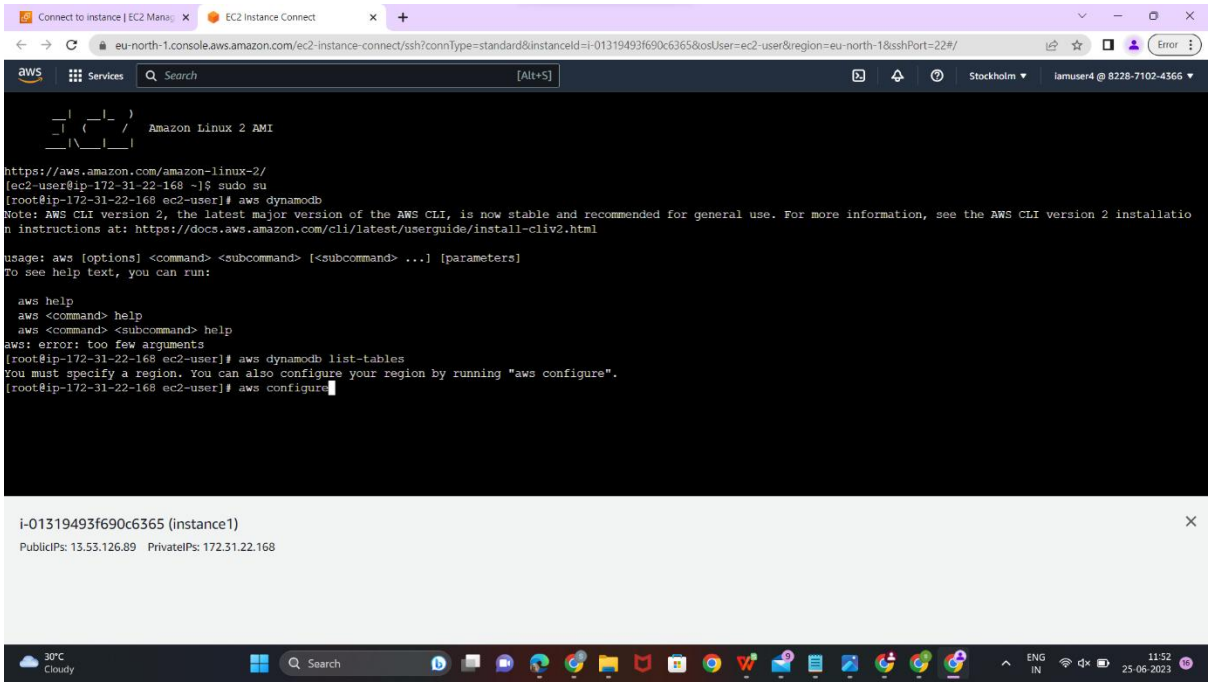
Step 15:After launching the instance , Connect the instance



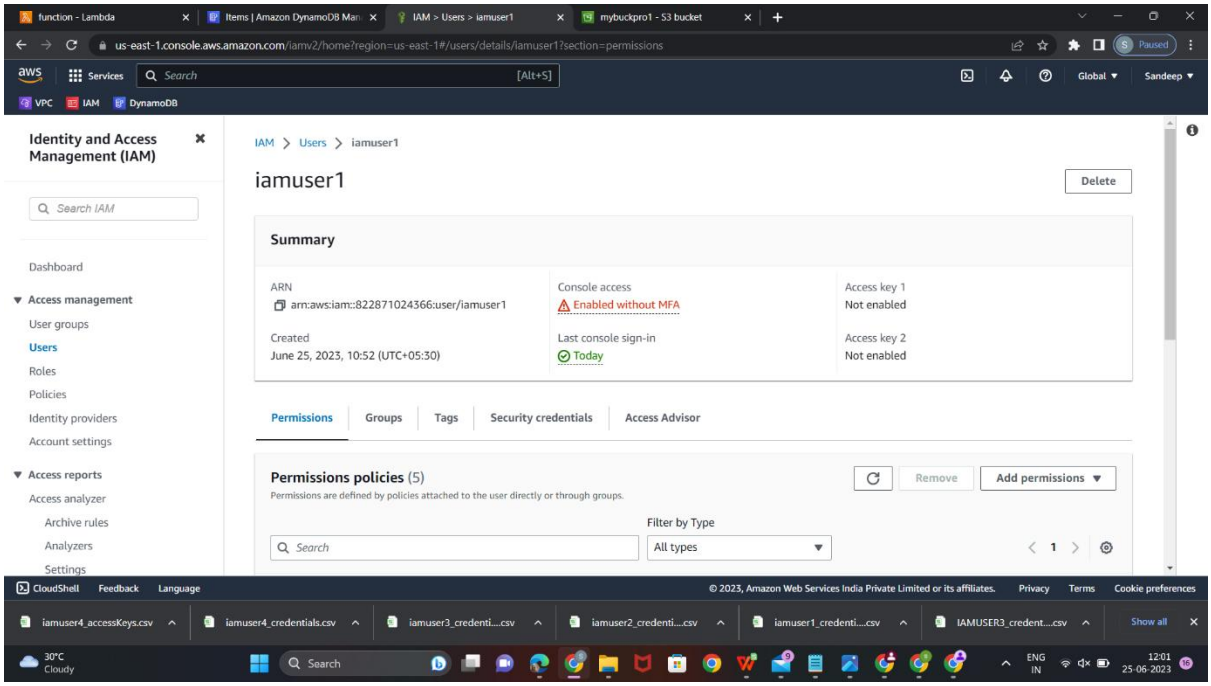

Connect to instance | EC2 Manag
eu-north-1.console.aws.amazon.com/ec2/home?region=eu-north-1#ConnectToInstance:instanceId=i-01319493f690c6365
Services
Search
[Alt+S]
Stockholm
iamuser4 @ 8228-7102-4366
EC2 > Instances > i-01319493f690c6365 > Connect to instance
Connect to instance Info
Connect to your instance i-01319493f690c6365 (instance1) using any of these options
EC2 Instance Connect
Session Manager
SSH client
EC2 serial console
Instance ID
i-01319493f690c6365 (instance1)
Connection Type
Connect using EC2 Instance Connect
Connect using the EC2 Instance Connect browser-based client, with a public IPv4 address.
Connect using EC2 Instance Connect Endpoint
Connect using the EC2 Instance Connect browser-based client, with a private IPv4 address and a VPC endpoint.
Public IP address
13.53.126.89
User name
Enter the user name defined in the AMI used to launch the instance. If you didn't define a custom user name, use the default user name, ec2-user.
ec2-user
Note: In most cases, the default user name, ec2-user, is correct. However, read your AMI usage instructions to check if the AMI owner has changed the default AMI user name.
https://eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh?region=eu-north-1&connType=standard&instanceId=i-01319493f690c6365&osUser=ec2-user&sshPort=22
30°C
Cloudy
Search
ENG
IN
11:49
25-06-2023

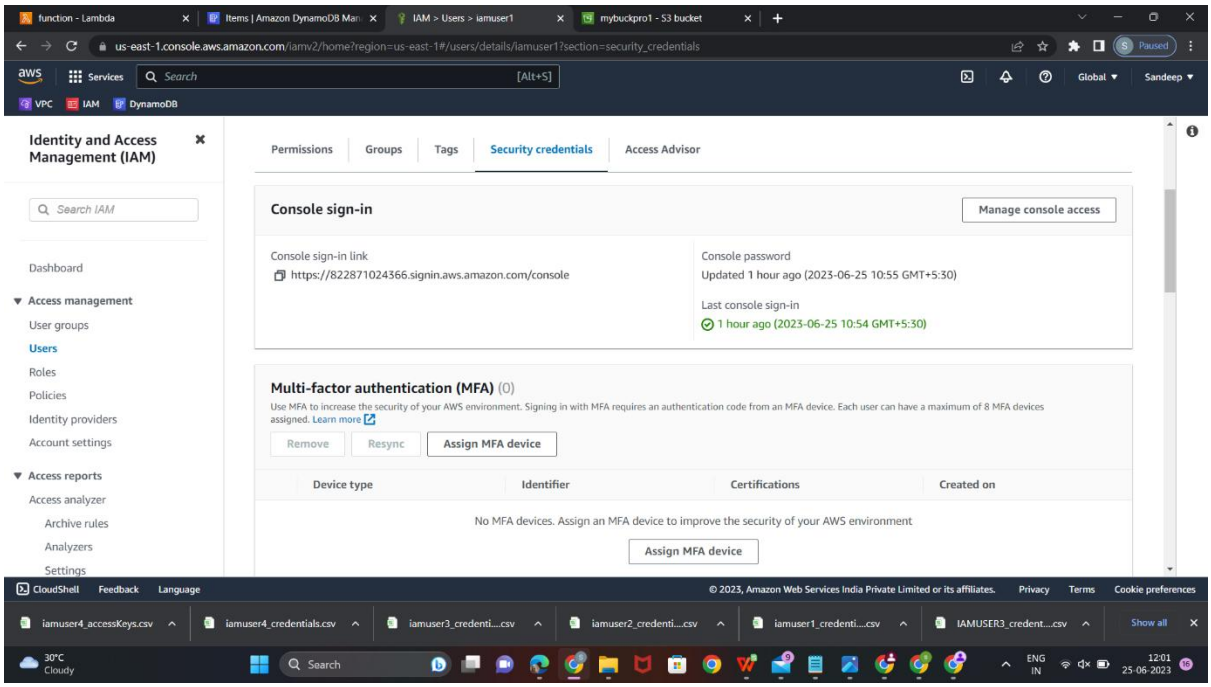

Connect to instance | EC2 Manag
EC2 Instance Connect
eu-north-1.console.aws.amazon.com/ec2-instance-connect/ssh?connType=standard&instanceId=i-01319493f690c6365&osUser=ec2-user&region=eu-north-1&sshPort=22#/
Services
Search
[Alt+S]
Stockholm
iamuser4 @ 8228-7102-4366
Amazon Linux 2 AMI
https://aws.amazon.com/amazon-linux-2/
[ec2-user@ip-172-31-22-168 ~]$ sudo su
i-01319493f690c6365 (instance1)
PublicIPs: 13.53.126.89 PrivateIPs: 172.31.22.168
30°C
Cloudy
Search
ENG
IN
11:51
25-06-2023

Step 16:Enter commands to access Dynamodb, use “aws configure”



Step 17:To know thw access key goto iamuser1 and in security connections create Access keys




function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > iamuser1
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/iamuser1?section=security_credentials
Paused
aws
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Permissions
Groups
Tags
Security credentials
Access Advisor
Console sign-in
Manage console access
Console sign-in link
https://822871024366.signin.aws.amazon.com/console
Console password
Updated 1 hour ago (2023-06-25 10:55 GMT+5:30)
Last console sign-in
1 hour ago (2023-06-25 10:54 GMT+5:30)
Multi-factor authentication (MFA) (0)
Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. Each user can have a maximum of 8 MFA devices assigned. Learn more
Remove
Resync
Assign MFA device
Device type
Identifier
Certifications
Created on
No MFA devices. Assign an MFA device to improve the security of your AWS environment
Assign MFA device
CloudShell
Feedback
Language
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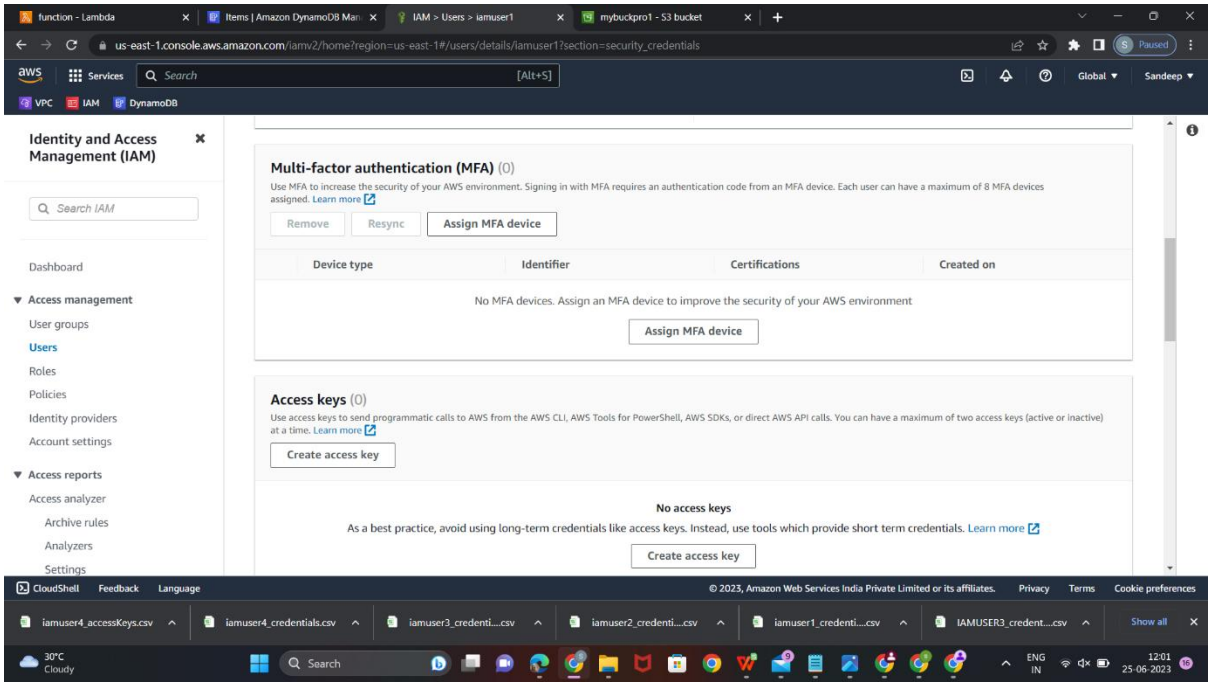
Privacy
Terms
Cookie preferences
iamuser4_accessKeys.csv
iamuser4_credentials.csv
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
Show all
30°C
Cloudy
Search
ENG
IN
12:01
25-06-2023


function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > iamuser1
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/iamuser1?section=security_credentials
Paused
aws
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
Identity and Access Management (IAM)
Search IAM
Dashboard
Access management
User groups
Users
Roles
Policies
Identity providers
Account settings
Access reports
Access analyzer
Archive rules
Analyzers
Settings
Multi-factor authentication (MFA) (0)
Use MFA to increase the security of your AWS environment. Signing in with MFA requires an authentication code from an MFA device. Each user can have a maximum of 8 MFA devices assigned. Learn more
Remove
Resync
Assign MFA device
Device type
Identifier
Certifications
Created on
No MFA devices. Assign an MFA device to improve the security of your AWS environment
Assign MFA device
Access keys (0)
Use access keys to send programmatic calls to AWS from the AWS CLI, AWS Tools for PowerShell, AWS SDKs, or direct AWS API calls. You can have a maximum of two access keys (active or inactive) at a time. Learn more
Create access key
No access keys
As a best practice, avoid using long-term credentials like access keys. Instead, use tools which provide short term credentials. Learn more
Create access key
CloudShell
Feedback
Language
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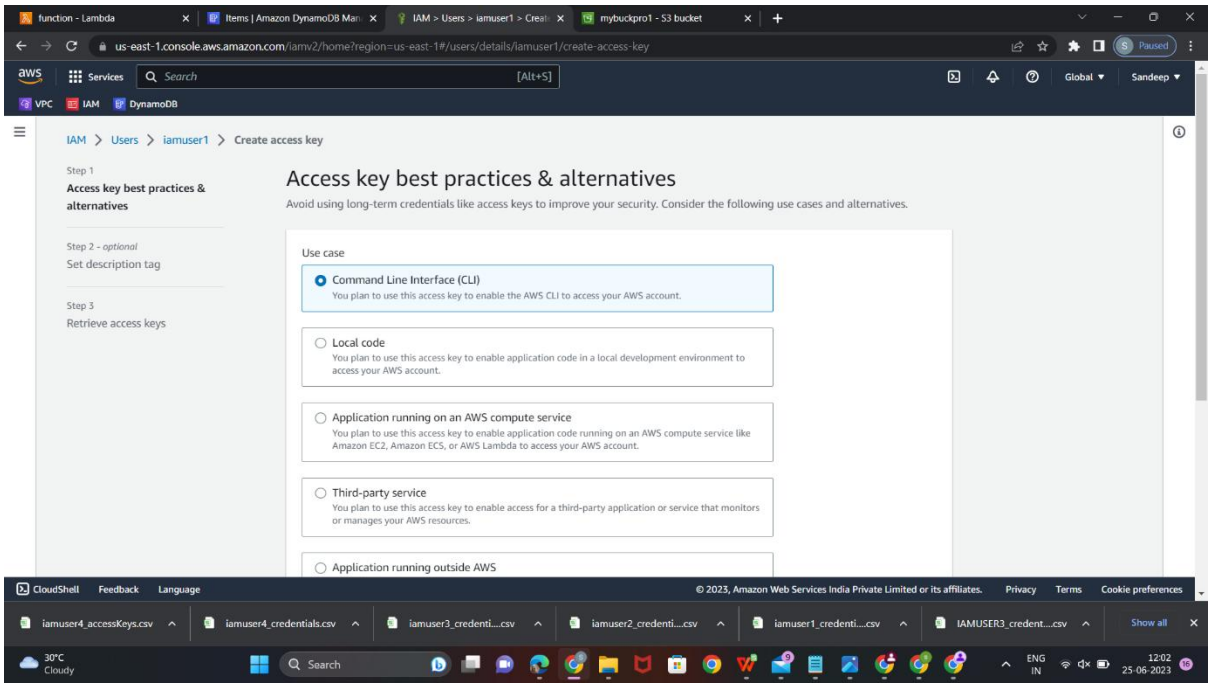
Cookie preferences
iamuser4_accessKeys.csv
iamuser4_credentials.csv
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
Show all
30°C
Cloudy
Search
ENG
IN
12:01
25-06-2023


function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > iamuser1 > Creat
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/iamuser1/create-access-key
Paused
aws
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
IAM > Users > iamuser1 > Create access key
Step 1
Access key best practices & alternatives
Step 2 - optional
Set description tag
Step 3
Retrieve access keys
Access key best practices & alternatives
Avoid using long-term credentials like access keys to improve your security. Consider the following use cases and alternatives.
Use case
Command Line Interface (CLI)
You plan to use this access key to enable the AWS CLI to access your AWS account.
Local code
You plan to use this access key to enable application code in a local development environment to access your AWS account.
Application running on an AWS compute service
You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon ECS, or AWS Lambda to access your AWS account.
Third-party service
You plan to use this access key to enable access for a third-party application or service that monitors or manages your AWS resources.
Application running outside AWS
CloudShell
Feedback
Language
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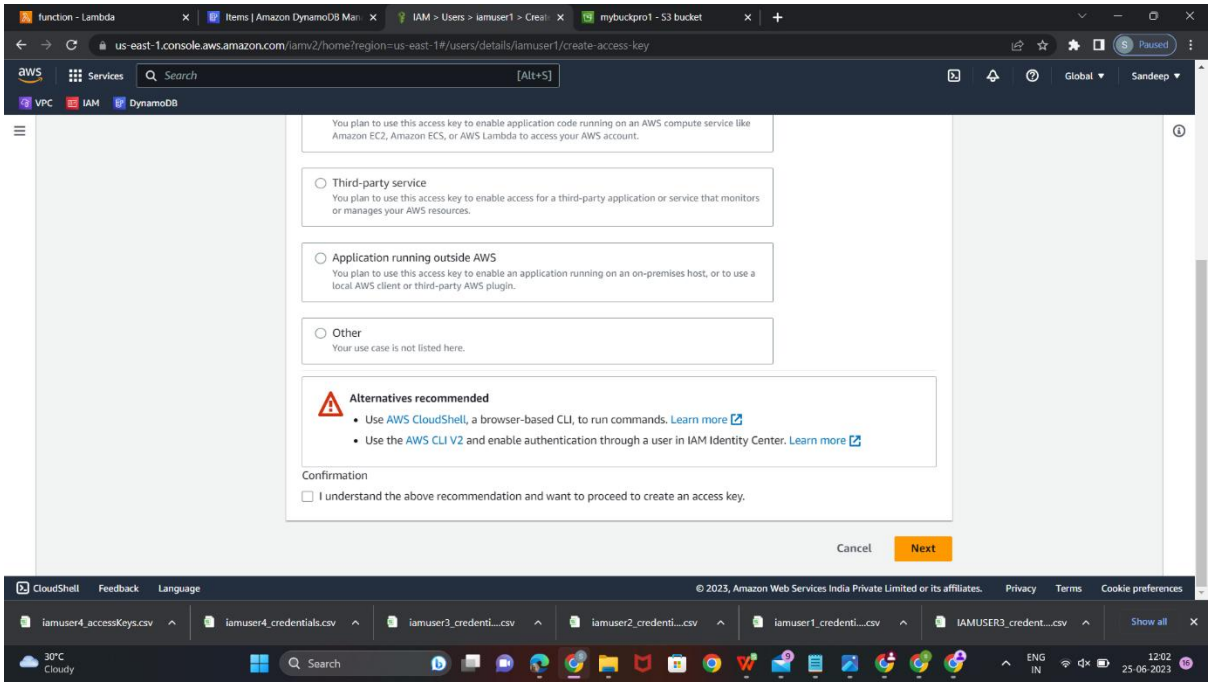
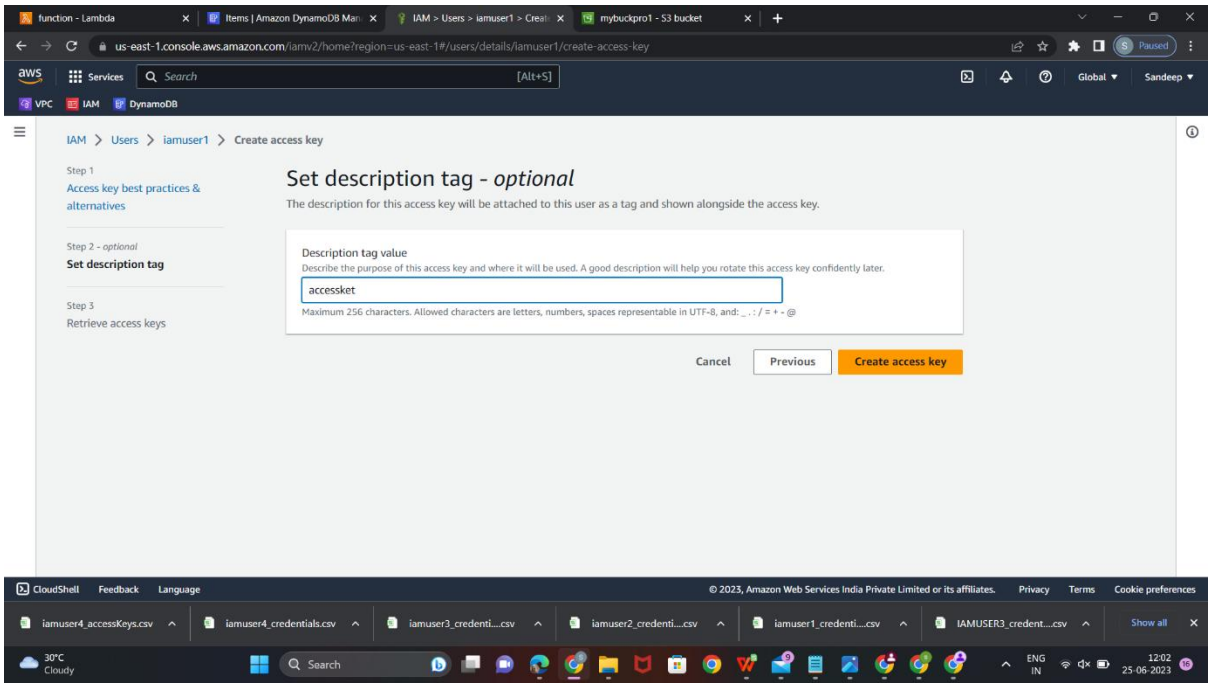
Terms
Cookie preferences
iamuser4_accessKeys.csv
iamuser4_credentials.csv
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
Show all
30°C
Cloudy
Search
ENG
IN
12:02
25-06-2023


function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > iamuser1 > Creat
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/iamuser1/create-access-key
Paused
aws
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
You plan to use this access key to enable application code running on an AWS compute service like Amazon EC2, Amazon ECS, or AWS Lambda to access your AWS account.
Third-party service
You plan to use this access key to enable access for a third-party application or service that monitors or manages your AWS resources.
Application running outside AWS
You plan to use this access key to enable an application running on an on-premises host, or to use a local AWS client or third-party AWS plugin.
Other
Your use case is not listed here.
Alternatives recommended
Use AWS CloudShell, a browser-based CLI, to run commands. Learn more
Use the AWS CLI V2 and enable authentication through a user in IAM Identity Center. Learn more
Confirmation
I understand the above recommendation and want to proceed to create an access key.
Cancel
Next
CloudShell
Feedback
Language
© 2023, Amazon Web Services India Private Limited or its affiliates.
Privacy
Terms
Cookie preferences
iamuser4_accessKeys.csv
iamuser4_credentials.csv
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
Show all
30°C
Cloudy
Search
ENG
IN
12:02
25-06-2023


function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > iamuser1 > Creat
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/iamuser1/create-access-key
Paused
aws
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
IAM > Users > iamuser1 > Create access key
Step 1
Access key best practices & alternatives
Step 2 - optional
Set description tag
Step 3
Retrieve access keys
Set description tag - optional
The description for this access key will be attached to this user as a tag and shown alongside the access key.
Description tag value
Describe the purpose of this access key and where it will be used. A good description will help you rotate this access key confidently later.
accessket
Maximum 256 characters. Allowed characters are letters, numbers, spaces representable in UTF-8, and: _ . : / = + - @
Cancel
Previous
Create access key
CloudShell
Feedback
Language
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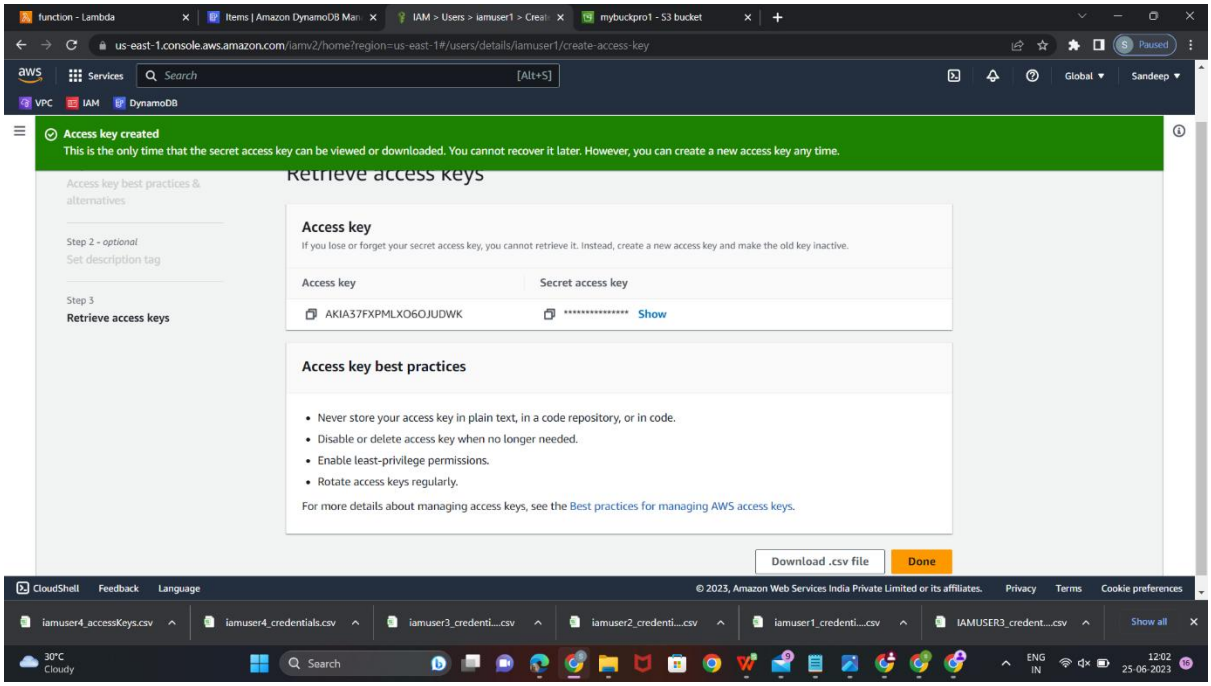
Privacy
Terms
Cookie preferences
iamuser4_accessKeys.csv
iamuser4_credentials.csv
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
Show all
30°C
Cloudy
Search
ENG
IN
12:02
25-06-2023


function - Lambda
Items | Amazon DynamoDB Man
IAM > Users > iamuser1 > Creat
mybuckpro1 - S3 bucket
us-east-1.console.aws.amazon.com/iamv2/home?region=us-east-1#/users/details/iamuser1/create-access-key
Paused
aws
Services
Search
[Alt+S]
Global
Sandeep
VPC
IAM
DynamoDB
Access key created
This is the only time that the secret access key can be viewed or downloaded. You cannot recover it later. However, you can create a new access key any time.
Retrieve access keys
Access key best practices & alternatives
Step 2 - optional
Set description tag
Step 3
Retrieve access keys
Access key
If you lose or forget your secret access key, you cannot retrieve it. Instead, create a new access key and make the old key inactive.
Access key
Secret access key
AKIA37FXPMLXO6OJUDWK
Show
Access key best practices
Never store your access key in plain text, in a code repository, or in code.
Disable or delete access key when no longer needed.
Enable least-privilege permissions.
Rotate access keys regularly.
For more details about managing access keys, see the Best practices for managing AWS access keys.
Download .csv file
Done
CloudShell
Feedback
Language
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iamuser4_accessKeys.csv
iamuser4_credentials.csv
iamuser3_credenti....csv
iamuser2_credenti....csv
iamuser1_credenti....csv
IAMUSER3_credent....csv
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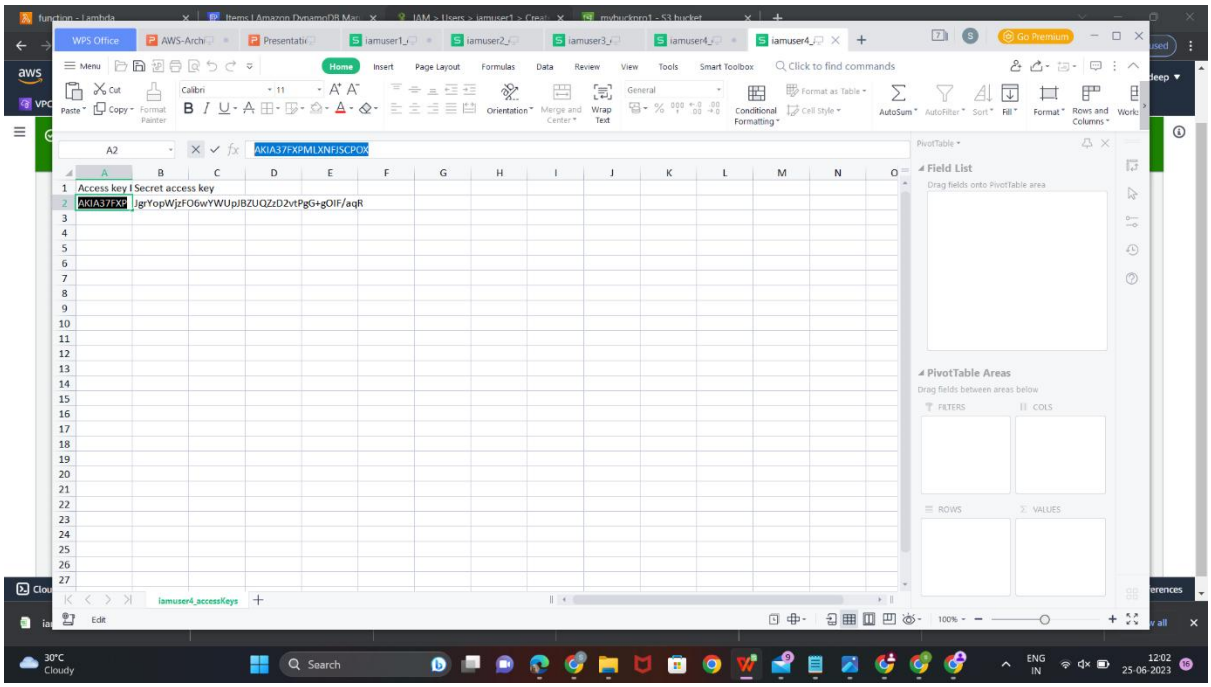
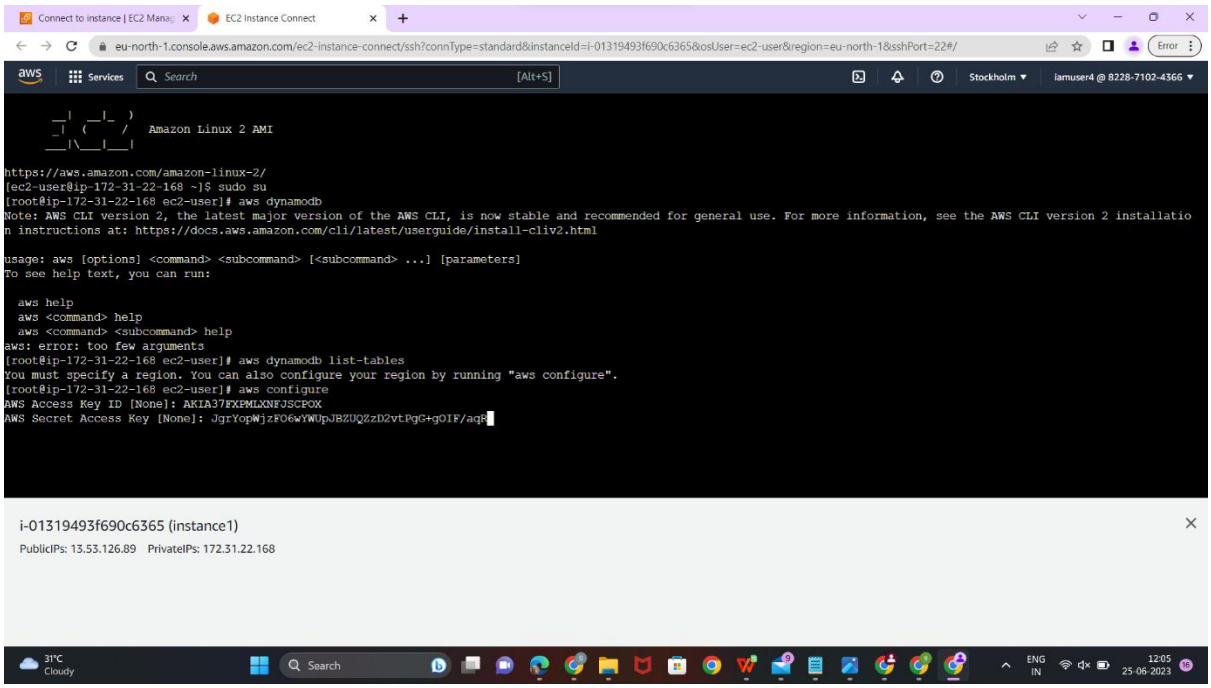
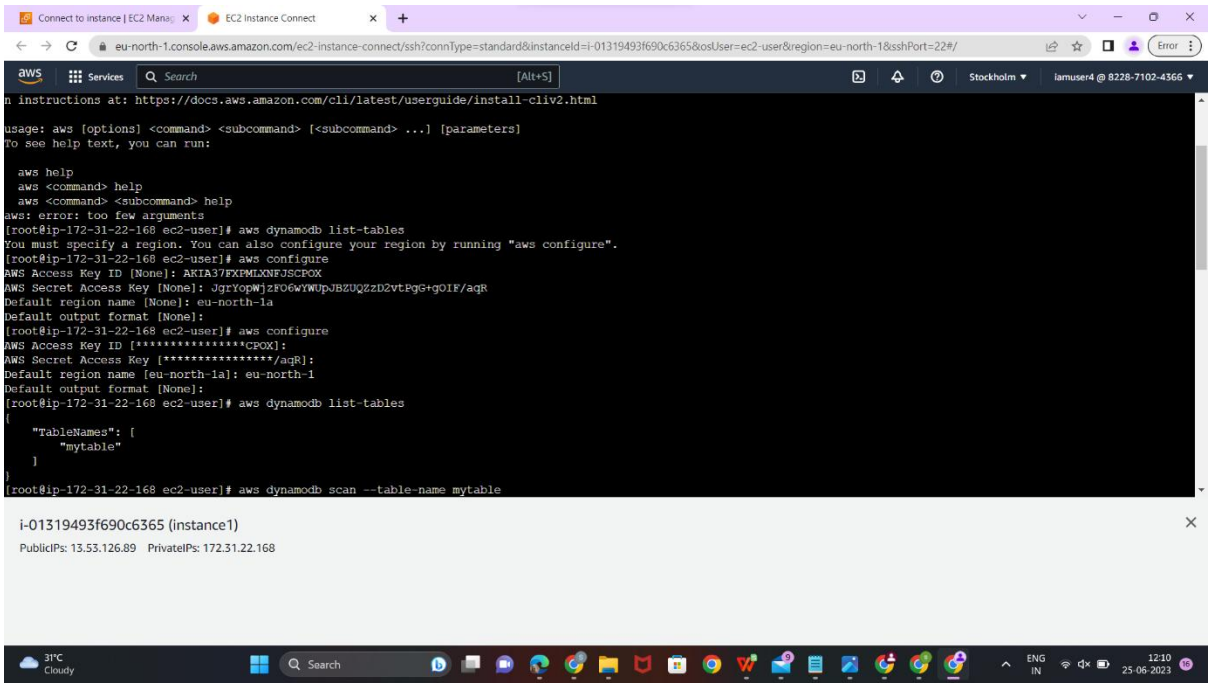
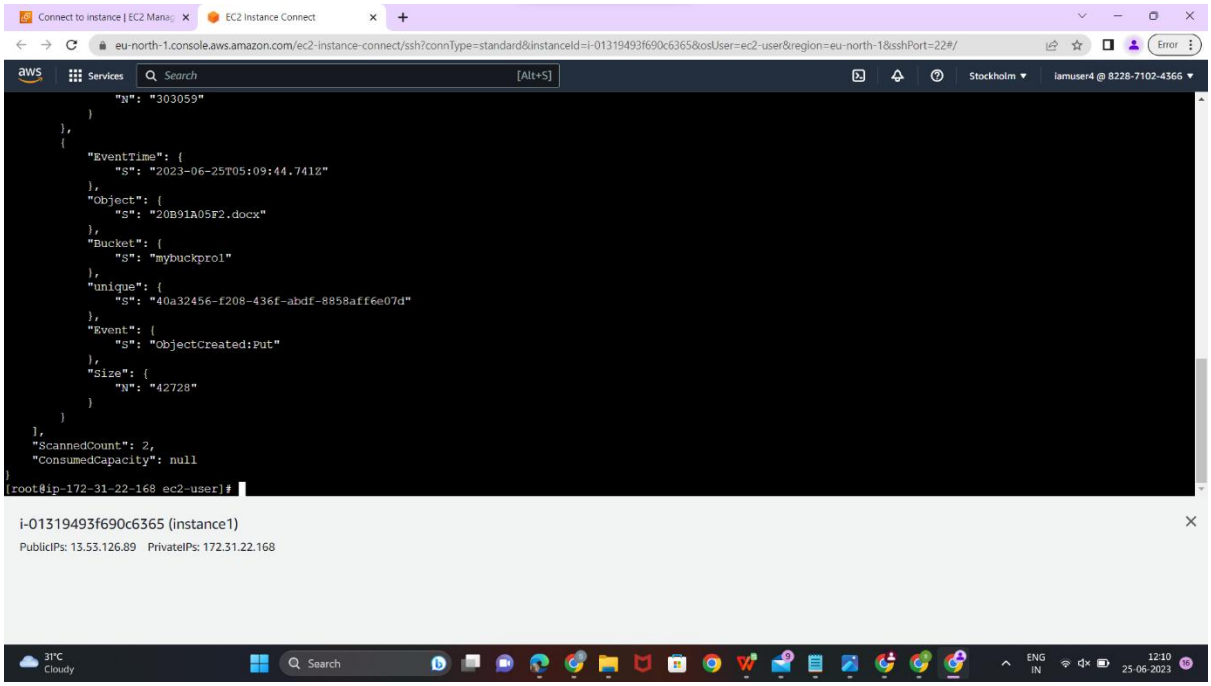


Step 18:Enter the obtain access id and password in connected console in iamuser4




n instructions at: https://docs.aws.amazon.com/cli/latest/userguide/install-cliv2.html
usage: aws [options] <command> <subcommand> [<subcommand> ...] [parameters]
To see help text, you can run:
aws help
aws <command> help
aws <command> <subcommand> help
aws: error: too few arguments
[root@ip-172-31-22-168 ec2-user]# aws dynamodb list-tables
You must specify a region. You can also configure your region by running "aws configure".
[root@ip-172-31-22-168 ec2-user]# aws configure
AWS Access Key ID [None]: AKIA37FXPMLXNFJSCPOX
AWS Secret Access Key [None]: JgrYopWjzFO6WYWUpJBZUQZzD2vtPgG+gOIF/aqR
Default region name [None]: eu-north-1a
Default output format [None]:
[root@ip-172-31-22-168 ec2-user]# aws configure
AWS Access Key ID [****************CPOX]:
AWS Secret Access Key [****************/aqR]:
Default region name [eu-north-1a]: eu-north-1
Default output format [None]:
[root@ip-172-31-22-168 ec2-user]# aws dynamodb list-tables
{
"TableNames": [
"mytable"
]
}
[root@ip-172-31-22-168 ec2-user]# aws dynamodb scan --table-name mytable
i-01319493f690c6365 (instance1)
PublicIPs: 13.53.126.89 PrivateIPs: 172.31.22.168


"N": "303059"
}
},
{
"EventTime": {
"S": "2023-06-25T05:09:44.741Z"
},
"Object": {
"S": "20B91A05F2.docx"
},
"Bucket": {
"S": "mybuckpro1"
},
"unique": {
"S": "40a32456-f208-436f-abdf-8858aff6e07d"
},
"Event": {
"S": "ObjectCreated:Put"
},
"Size": {
"N": "42728"
}
}
],
"ScannedCount": 2,
"ConsumedCapacity": null
}
[root@ip-172-31-22-168 ec2-user]#
i-01319493f690c6365 (instance1)
PublicIPs: 13.53.126.89 PrivateIPs: 172.31.22.168