

Name : Swapnil Sawant
Division : TE4
Roll No : 46
Batch : C
Subject : CCL

EXPERIMENT NO 9

Aim : To study and implement Identity and Access Management(IAM) practices on AWS.

Diagram :

The screenshot displays the AWS IAM dashboard in a web browser. The browser's address bar shows the URL: `us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/home`. The dashboard is titled "IAM dashboard" and features a left-hand navigation menu with sections like "Identity and Access Management (IAM)", "Access management", "Access reports", and "IAM resources". The main content area is divided into three columns. The first column, "Security recommendations", contains three items: "Add MFA for root user" (with a red warning icon), "Root user has no active access keys" (with a green checkmark icon), and "Update your access permissions for AWS Billing, Cost Management, and Account consoles" (with a red warning icon). The second column, "AWS Account", displays account details such as "Account ID" (510027780046), "Account Alias" (510027780046), and "Sign-in URL for IAM users in this account" (https://510027780046.signin.aws.amazon.com/console). The third column, "Quick Links", includes links for "My security credentials" and "Tools". The bottom of the dashboard shows a footer with copyright information, privacy terms, and cookie preferences.

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH IAM Management Con... CCL Experiment 9 - Google EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users

aws Services Search [Alt+S]

Global Swapnil Sawant

Identity and Access Management (IAM)

Dashboard

- Access management
 - User groups
 - Users**
 - Roles
 - Policies
 - Identity providers
 - Account settings
- Access reports
 - Access analyzer
 - Archive rules
 - Analizers
 - Settings

Feedback Language

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

08:47 19-03-2023

IAM > Users

Users (0) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Find users by username or access key

User name	Groups	Last activity	MFA	Password age	Active
No resources to display					

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH IAM Management Con... CCL Experiment 9 - Google EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/create

aws Services Search [Alt+S]

Global Swapnil Sawant

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

Junior_Employee

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?

☐ 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

Feedback Language

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

08:51 19-03-2023

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH IAM Management Con... CCL Experiment 9 - Google EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/create

aws Services Search [Alt+S]

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.

- 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

Income Tax Portal, Gov... Experiment 9 Cloud computing Lab IAM Management Con... IAM Management Con... CCL Experiment 9 - Google EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/create

aws Services Search [Alt+S]

IAM > Users > Create user

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.

Permissions policies (1/1050)

Choose one or more policies to attach to your new user.

Filter distributions by text, property or value 11 matches

s3 X Clear filters

Income Tax Portal, Gov Experiment 9 Cloud computing Lab IAM Management IAM Management CCL Experiment 9 - Google Drive EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/create

Identity and Access Management (IAM)

Permissions policies (1/1050)

Choose one or more policies to attach to your new user.

Filter distributions by text, property or value 11 matches

Policy name	Type	Attached entities
<input type="checkbox"/> AmazonDMSRedshiftS3Role	AWS managed	0
<input checked="" type="checkbox"/> AmazonS3FullAccess	AWS managed	0
<input type="checkbox"/> AmazonS3ObjectLambdaExecutionRo...	AWS managed	0
<input type="checkbox"/> AmazonS3OutpostsFullAccess	AWS managed	0
<input type="checkbox"/> AmazonS3OutpostsReadOnlyAccess	AWS managed	0
<input type="checkbox"/> AmazonS3ReadOnlyAccess	AWS managed	0
<input type="checkbox"/> AWSBackupServiceRolePolicyForS3Ba...	AWS managed	0
<input type="checkbox"/> AWSBackupServiceRolePolicyForS3Re...	AWS managed	0
<input type="checkbox"/> IVSRecordToS3	AWS managed	0
<input type="checkbox"/> QuickSightAccessForS3StorageManag...	AWS managed	0
<input type="checkbox"/> S3StorageLensServiceRolePolicy	AWS managed	0

Permissions boundary - optional

Set a permissions boundary to control the maximum permissions for this user. Use this advanced feature used to delegate permission management to others. [Learn more](#)

Cancel Previous Next

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences 08:55 19-03-2023

Income Tax Portal, Gov Experiment 9 Cloud computing Lab IAM Management IAM Management CCL Experiment 9 - Google Drive EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iam/home#/policies/arn:aws:iam::aws:policy/AmazonS3FullAccess\$jsonEditor

Identity and Access Management (IAM)

Policies > AmazonS3FullAccess

Summary

Policy ARN [arn:aws:iam::aws:policy/AmazonS3FullAccess](#)

Description Provides full access to all buckets via the AWS Management Console.

Permissions Policy usage Policy versions Access Advisor

Policy summary {} JSON

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Effect": "Allow",
6       "Action": [
7         "s3:*",
8         "s3-object-lambda:*"
9       ],
10      "Resource": "*"
11    }
12  ]
13 }
```

read-only

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences 09:01 19-03-2023

Income Tax Portal, Govt of India | Experiment 9 | Cloud computing Lab | IAM Management | IAM Management Console | CCL Experiment 9 - Google Drive | EXP 9 - Google Drive | + | - | [VPN] | [Alt+S]

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/create

aws Services Search [Alt+S]

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 Junior_Employee	Console password type Custom password	Require password reset No
------------------------------	--	------------------------------

Permissions summary

Name	Type	Used as
AmazonS3FullAccess	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](#)

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

08:56 19-03-2023

Income Tax Portal, Govt of India | Experiment 9 | Cloud computing Lab | IAM Management | IAM Management Console | CCL Experiment 9 - Google Drive | EXP 9 - Google Drive | + | - | [VPN] | [Alt+S]

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/create

aws Services Search [Alt+S]

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://510027780046.signin.aws.amazon.com/console>

User name
[Junior_Employee](#)

Console password
***** [Show](#)

[Download .csv file](#) [Return to users list](#)

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

08:57 19-03-2023

Similarly create Senior Employee user.

Income Tax Portal, Gov... Experiment 9 Cloud computing Lab IAM Management IAM Management Cor CCL Experiment 9 - Google EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/create

aws Services Search [Alt+S]

Global Swapnil Sawant

User created successfully View user X

You can view and download the user's password and email instructions for signing in to the AWS Management Console.

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://510027780046.signin.aws.amazon.com/console

User name
Senior_Employee

Console password
***** Show

Download .csv file Return to users list

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

09:00 19-03-2023

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH IAM Management Cor CCL Experiment 9 - Google EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/details/Senior_Employee?se...

aws Services Search [Alt+S]

Global Swapnil Sawant

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
- Analizers
- Settings

Senior_Employee Delete

Summary

ARN arn:aws:iam::510027780046:user/Senior_Employee	Console access Enabled without MFA	Access key 1 Not enabled
Created March 19, 2023, 08:59 (UTC+05:30)	Last console sign-in Never	Access key 2 Not enabled

Permissions Groups Tags **Security credentials** Access Advisor

Console sign-in Manage console access

Console sign-in link Console password

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

09:02 19-03-2023

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH IAM Management Con... CCL Experiment 9 - Google EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/details/Senior_Employee/mfa

aws Services Search [Alt+S]

Global Swapnil Sawant

IAM > Users > Senior_Employee > Assign MFA device

Step 1
Select MFA device

Step 2
Set up device

Select MFA device

Specify MFA device name

Device name
Enter a meaningful name to identify this device.

SwapnilCCL

Maximum 128 characters. Use alphanumeric and '+', '@', '-' characters.

Select MFA device Info

Select an MFA device to use, in addition to your username and password, whenever you need to authenticate.

Authenticator app
Authenticate using a code generated by an app installed on your mobile device or computer.

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH IAM Management Con... CCL Experiment 9 - Google EXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/details/Senior_Employee/mfa

aws Services Search [Alt+S]

Global Swapnil Sawant

IAM > Users > Senior_Employee > Assign MFA device

Step 1
[Select MFA device](#)


Step 2
Set up device

Set up device

Set up your authenticator app
A virtual MFA device is an application running on your device that you can configure by scanning a QR code.

1 Install a compatible application such as Google Authenticator, Duo Mobile, or Authy app on your mobile device or computer.
[See a list of compatible applications](#)

2



Open your authenticator app, chose **Show QR code** on this page, then use the app to scan the code. Alternatively, you can type a secret key. [Show secret key](#)

Income Tax Portal, Govern...Experiment 9Cloud computing Lab - FHIAM Management Con...CCL Experiment 9 - GoogleEXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users/details/Senior_Employee?se...

awsServicesSearch[Alt+S]

GlobalSwapnil Sawant

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

Analizers

Settings

MFA device assigned

You can register up to 8 MFA devices of any combination of the currently supported MFA types with your AWS account root and IAM user. With multiple MFA devices, you only need one MFA device to sign in to the AWS console or create a session through the AWS CLI with that user.

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](#)

RemoveResyncAssign MFA device

	Device type	Identifier	Created on
<input type="radio"/>	Virtual	arn:aws:iam::510027780046:mfa/SwapnilCCL	Now

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

FeedbackLanguage

© 2023, Amazon Web Services India Private Limited or its affiliates. PrivacyTermsCookie preferences

09:0719-03-2023

Income Tax Portal, Govern...Experiment 9Cloud computing Lab - FHIAM Management Con...CCL Experiment 9 - GoogleEXP 9 - Google Drive

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-northeast-1#/users

awsServicesSearch[Alt+S]

GlobalSwapnil Sawant

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

Analizers

Settings

IAM > Users

Users (2) Info

An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.

Find users by username or access key

	User name	Groups	Last activity	MFA	Password a...	Active
<input type="checkbox"/>	Junior_Employee	None	Never	None	✓ 11 minutes ago	-
<input type="checkbox"/>	Senior_Employee	None	Never	Virtual	✓ 8 minutes ago	-

FeedbackLanguage

© 2023, Amazon Web Services India Private Limited or its affiliates. PrivacyTermsCookie preferences

09:0819-03-2023

Income Tax Portal, Govern...Experiment 9Cloud computing Lab - FHswapnils3b - S3 bucketCCL Experiment 9 - GoogleEXP 9 - Google Drive

s3.console.aws.amazon.com/s3/buckets/swapnils3b?region=ap-northeast-1&tab=permissions

awsServicesSearch[Alt+S]

GlobalSwapnil Sawant

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

Amazon S3 > Buckets > swapnils3b

swapnils3b Info

ObjectsPermissionsMetricsManagementAccess Points

Permissions overview

Access

Bucket and objects not public

Block public access (bucket settings)

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 all your S3 buckets and 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 your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Edit

FeedbackLanguage

© 2023, Amazon Web Services India Private Limited or its affiliates. PrivacyTermsCookie preferences

09:0919-03-2023

Income Tax Portal, Govern...Experiment 9Cloud computing Lab - FHswapnils3b - S3 bucketCCL Experiment 9 - GoogleEXP 9 - Google Drive

s3.console.aws.amazon.com/s3/bucket/swapnils3b/property/bpa/edit?region=ap-northeast-1

awsServicesSearch[Alt+S]

GlobalSwapnil Sawant

Amazon S3

Buckets

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Storage Lens

Dashboards

AWS Organizations settings

Feature spotlight 3

Amazon S3 > Buckets > swapnils3b > Edit Block public access (bucket settings)

Edit Block public access (bucket settings) Info

Block public access (bucket settings)

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 all your S3 buckets and 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 your buckets 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.

☐ 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.

Cancel

Save changes

FeedbackLanguage

© 2023, Amazon Web Services India Private Limited or its affiliates. PrivacyTermsCookie preferences

09:1019-03-2023

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH swapnils3b - S3 bucket CCL Experiment 9 - Google EXP 9 - Google Drive

s3.console.aws.amazon.com/s3/buckets/swapnils3b?region=ap-northeast-1&tab=permissions

aws Services Search [Alt+S] Global Swapnil Sawant

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 3

AWS Marketplace for S3

Feedback Language

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

09:10 19-03-2023

Successfully edited Block Public Access settings for this bucket.

Amazon S3 > Buckets > swapnils3b

swapnils3b Info

Objects Properties Permissions Metrics Management Access Points

Permissions overview

Access

Objects can be public

Block public access (bucket settings)

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 all your S3 buckets and 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 your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Edit

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH swapnils3b - S3 bucket CCL Experiment 9 - Google EXP 9 - Google Drive

s3.console.aws.amazon.com/s3/bucket/swapnils3b/property/policy/edit?region=ap-northeast-1

aws Services Search [Alt+S] Global Swapnil Sawant

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 3

AWS Marketplace for S3

Feedback Language

© 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

09:14 19-03-2023

Amazon S3 > Buckets > swapnils3b > Edit bucket policy

Edit bucket policy Info

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Policy examples Policy generator

Bucket ARN

arn:aws:s3:::swapnils3b

Policy

```
1 {
2   "Version": "2012-10-17",
3   "Id": "123",
4   "Statement": [
5     {
6       "Sid": "",
7       "Effect": "Deny",
8       "Principal": "*",
9       "Action": "s3:*",
10      "Resource": "arn:aws:s3:::swapnils3b/confidential/*",
11      "Condition": {
```

Edit statement Remove

1. Add actions

Choose a service

Filter services

Included

S3

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH swapnils3b - S3 bucket CCL Experiment 9 - Google EXP 9 - Google Drive

s3.console.aws.amazon.com/s3/bucket/swapnils3b/property/policy/edit?region=ap-northeast-1

aws Services Search [Alt+S] Global Swapnil Sawant

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 3

```
11 - "Condition": {
12 - "Null": {
13   "aws:MultiFactorAuthAge": "true"
14 }
15 },
16 },
17 - {
18   "Sid": "",
19   "Effect": "Allow",
20   "Principal": "*",
21   "Action": "s3:*",
22   "Resource": "arn:aws:s3:::swapnils3b/*"
23 }
24 }
25 }
```

+ Add new statement

JSON Ln 22, Col 36

Security: 0 Errors: 0 Warnings: 0 Suggestions: 1

Available

- AMP
- API Gateway
- API Gateway V2
- ASC
- Access Analyzer
- Account
- Activate
- Alexa for Business
- Amplify

2. Add a resource Add

3. Add a condition (optional) Add

Preview external access

Cancel Save changes

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

09:15 19-03-2023

Income Tax Portal, Govern... Experiment 9 Cloud computing Lab - FH swapnils3b - S3 bucket CCL Experiment 9 - Google EXP 9 - Google Drive

s3.console.aws.amazon.com/s3/buckets/swapnils3b?region=ap-northeast-1&tab=permissions

aws Services Search [Alt+S] Global Swapnil Sawant

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 3

Successfully edited bucket policy.

Amazon S3 > Buckets > swapnils3b

swapnils3b Info

Publicly accessible

Objects Properties Permissions Metrics Management Access Points

Permissions overview

Access

Public

Block public access (bucket settings)

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 all your S3 buckets and 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 your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences

09:16 19-03-2023



Sign in as IAM user

Account ID (12 digits) or account alias

510027780046

IAM user name

Junior_Employee

Password

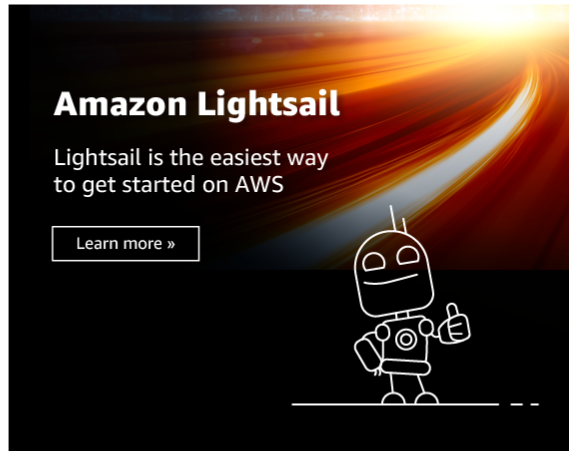
.....

☐ Remember this account

Sign in

[Sign in using root user email](#)

[Forgot password?](#)



English

Terms of Use Privacy Policy © 1996-2023, Amazon Web Services, Inc. or its affiliates.

Upload failed
View details below.

Upload: status

Close

The information below will no longer be available after you navigate away from this page.

Summary

Destination
s3://swapnills3b/confidential/

Succeeded
0 files, 0 B (0%)

Failed
1 file, 77.0 B (100.00%)

Files and folders Configuration

Files and folders (1 Total, 77.0 B)

Find by name

< 1 >



Sign in as IAM user

Account ID (12 digits) or account alias

510027780046

IAM user name

Senior_Employee

Password

.....

☐ Remember this account

Sign in

[Sign in using root user email](#)

[Forgot password?](#)

Build event-driven architectures on AWS

Take a deep dive into how EDAs help organizations increase agility and build reliable, scalable applications

Download the guide >



English

[Terms of Use](#) [Privacy Policy](#) © 1996-2023, Amazon Web Services, Inc. or its affiliates.



Multi-factor Authentication

Enter an MFA code to complete sign-in.

MFA Code:

392362

Submit

[Cancel](#)

English

[Terms of Use](#) [Privacy Policy](#) © 1996-2023, Amazon Web Services, Inc. or its affiliates.

Income Tax Portal, Gov | Experiment 9 | Cloud computing Lab | IAM Management Co | CCL Experiment 9 - Go | EXP 9 - Google Drive | S3 Management | + | - | x

s3.console.aws.amazon.com/s3/upload/swapnils3b?region=ap-northeast-1&prefix=confidential/ | [Alt+S] | Global | Senior_Employee @ 5100-2778-0046 | VPN

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://swapnils3b/confidential/	Succeeded ✔ 1 file, 77.0 B (100.00%)	Failed ✖ 0 files, 0 B (0%)
--	---	-------------------------------

Files and folders | Configuration

Files and folders (1 Total, 77.0 B)

< 1 >

Feedback | Language | © 2023, Amazon Web Services India Private Limited or its affiliates. | Privacy | Terms | Cookie preferences

09:24 19-03-2023

Conclusion : Hence we have studied Identity and Access Management(IAM) using AWS IAM Service and implemented the read and write policies for different users.