

S3 Bucket

The screenshot shows the AWS S3 Management Console. At the top, there's a header bar with tabs for 'Inbox (1) - saurabhg2083@gmail.com' and 'S3 Management Console'. Below the header is a search bar and a navigation menu with 'Services' selected. The main content area has a title 'Amazon S3' and a section titled 'Account snapshot' with a 'View Storage Lens dashboard' button. Below this is a table titled 'Buckets (4) Info' showing four buckets:

Name	AWS Region	Access	Creation date
codepipeline-ap-northeast-1-629277419867	Asia Pacific (Tokyo) ap-northeast-1	Objects can be public	February 17, 2023, 16:39:47 (UTC+05:30)
codepipeline-ap-south-1-886215572995	Asia Pacific (Mumbai) ap-south-1	Objects can be public	February 18, 2023, 11:51:09 (UTC+05:30)
elasticbeanstalk-ap-northeast-1-561907219279	Asia Pacific (Tokyo) ap-northeast-1	Objects can be public	February 17, 2023, 16:17:18 (UTC+05:30)
elasticbeanstalk-ap-south-1-561907219279	Asia Pacific (Mumbai) ap-south-1	Objects can be public	May 9, 2023, 12:00:56 (UTC+05:30)

At the bottom of the page, there are links for 'CloudShell', 'Feedback', 'Language', and copyright information: '© 2023, Amazon Web Services India Private Limited or its affiliates.' followed by 'Privacy', 'Terms', and 'Cookie preferences'. The status bar at the bottom right shows 'CloudShell', 'Feedback', 'Language', and 'CloudWatch Metrics' icons, along with 'ENG 10:00 AM'.

Create Bucket

The screenshot shows the 'Create bucket' configuration page. The header is identical to the previous screenshot, with tabs for 'Inbox (1) - saurabhg2083@gmail.com' and 'S3 bucket'. The main content area has a title 'Create bucket' with a 'Info' link. Below this is a section titled 'General configuration' containing fields for 'Bucket name' (set to 'demo-16092023'), 'AWS Region' (set to 'Asia Pacific (Mumbai) ap-south-1'), and a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button. At the bottom, there's a section titled 'Object Ownership' with a 'Info' link and a note about controlling ownership of objects written to the bucket. The footer includes links for 'CloudShell', 'Feedback', 'Language', and copyright information: '© 2023, Amazon Web Services India Private Limited or its affiliates.' followed by 'Privacy', 'Terms', and 'Cookie preferences'. The status bar at the bottom right shows 'CloudShell', 'Feedback', 'Language', and 'CloudWatch Metrics' icons, along with 'ENG 10:02 AM'.

Bucket Created

The screenshot shows the AWS S3 Management Console. A green success message at the top states: "Successfully created bucket 'demo-16092023'. To upload files and folders, or to configure additional bucket settings choose View details." Below this, a table lists five buckets. The newly created bucket, "demo-16092023", is highlighted in blue. The table columns include Name, AWS Region, Access, and Creation date.

Name	AWS Region	Access	Creation date
codepipeline-ap-northeast-1-629277419867	Asia Pacific (Tokyo) ap-northeast-1	Objects can be public	February 17, 2023, 16:39:47 (UTC+05:30)
codepipeline-ap-south-1-886215572995	Asia Pacific (Mumbai) ap-south-1	Objects can be public	February 18, 2023, 11:51:09 (UTC+05:30)
demo-16092023	Asia Pacific (Mumbai) ap-south-1	Bucket and objects not public	September 17, 2023, 10:05:46 (UTC+05:30)
elasticbeanstalk-ap-northeast-1-561907219279	Asia Pacific (Tokyo) ap-northeast-1	Objects can be public	February 17, 2023, 16:17:18 (UTC+05:30)
elasticbeanstalk-ap-south-1-561907219279	Asia Pacific (Mumbai) ap-south-1	Objects can be public	May 9, 2023, 12:00:56 (UTC+05:30)

The screenshot shows the AWS S3 Management Console for the bucket "demo-16092023". The top navigation bar shows the path "Amazon S3 > Buckets > demo-16092023". The main view displays the "Objects" tab, which is currently selected. The table below shows zero objects, indicating the bucket is empty. The table columns include Name, Type, Last modified, Size, and Storage class.

Name	Type	Last modified	Size	Storage class
No objects You don't have any objects in this bucket.				

Inbox (1) - saurabhg2083@gmail.com S3 Management Console

s3.console.aws.amazon.com/s3/upload/demo-16092023?region=ap-south-1

aws Services Search [Alt+S]

Uploading 56%

Total remaining: 2 files: 6.9 MB(64.39%)
Estimated time remaining: a few seconds
Transfer rate: 546.1 KB/s

Cancel Close

Upload: status

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

Summary

Destination	Succeeded	Failed
s3://demo-16092023	6 files, 3.8 MB (35.61%)	0 files, 0 B (0%)

Files and folders Configuration

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Inbox (1) - saurabhg2083@gmail.com S3 Management Console

s3.console.aws.amazon.com/s3/upload/demo-16092023?region=ap-south-1

aws Services Search [Alt+S]

Drag and drop files and folders you want to upload here, or choose Add files or Add folder.

Files and folders (8 Total, 10.7 MB)

All files and folders in this table will be uploaded.

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	MavenMarket_Calen...	-	text/csv	7.8 KB
<input type="checkbox"/>	MavenMarket_Custo...	-	text/csv	1.5 MB
<input type="checkbox"/>	MavenMarket_Produ...	-	text/csv	101.8 KB
<input type="checkbox"/>	MavenMarket_Regio...	-	text/csv	2.8 KB
<input type="checkbox"/>	MavenMarket_Retur...	-	text/csv	138.2 KB
<input type="checkbox"/>	MavenMarket_Store...	-	text/csv	2.8 KB
<input type="checkbox"/>	MavenMarket_Trans...	-	text/csv	2.9 MB
<input type="checkbox"/>	MavenMarket_Trans...	-	text/csv	6.1 MB

Remove Add files Add folder

Destination

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Inbox (1) - saurabhg2083@gmail.com x S3 Management Console x +

s3.console.aws.amazon.com/s3/upload/demo-16092023?region=ap-south-1

aws Services Search [Alt+S] Global Saurabh Gupta

Uploading 56% Cancel

Total remaining: 2 files: 6.9 MB(64.39%)
Estimated time remaining: a few seconds
Transfer rate: 546.1 KB/s

Upload: status Close

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

Summary

Destination	Succeeded	Failed
s3://demo-16092023	6 files, 3.8 MB (35.61%)	0 files, 0 B (0%)

Files and folders Configuration

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Inbox (1) - saurabhg2083@gmail.com x S3 Management Console x +

s3.console.aws.amazon.com/s3/upload/demo-16092023?region=ap-south-1

aws Services Search [Alt+S] Global Saurabh Gupta

Upload succeeded View details below. Close

Upload: status Close

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

Summary

Destination	Succeeded	Failed
s3://demo-16092023	8 files, 10.7 MB (100.00%)	0 files, 0 B (0%)

Files and folders (8 Total, 10.7 MB)

Find by name CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences ENG 10:07 AM

Enter into IAM

The screenshot shows the AWS console search results for 'iam'. The search bar at the top contains 'iam'. Below it, a sidebar lists recent services like S3, Billing, and EC2. The main area displays a list of services under 'Services' with 'IAM' highlighted. Other listed services include IAM Identity Center, Resource Access Manager, and AWS App Mesh. A sidebar on the right titled 'AWS Home' provides links to various AWS resources.

The screenshot shows the IAM dashboard. The left sidebar includes sections for Identity and Access Management (IAM), Dashboard, Access management (User groups, Users, Roles, Policies, Identity providers, Account settings), and Access reports (Access analyzer, Archive rules, Analyzers, Settings). The main content area features a 'Security recommendations' section with a red notification dot (1) and a 'Root user has no active access keys' note. Below this is an 'IAM resources' summary table:

User groups	Users	Roles	Policies	Identity providers
0	1	19	13	0

On the right, there are sections for 'AWS Account' (Account ID: 561907219279, Account Alias: Create, Sign-in URL: https://561907219279.signin.aws.amazon.com/console) and 'Quick Links' (My security credentials).

Create Policy

The screenshot shows the AWS IAM Policies page. On the left, a navigation pane is open under the 'Identity and Access Management (IAM)' section, showing options like 'Dashboard', 'Access management' (with 'User groups', 'Users', 'Roles', and 'Policies' selected), 'Access reports' (with 'Access analyzer', 'Archive rules', 'Analyzers', and 'Settings'), and 'CloudShell', 'Feedback', 'Language' buttons at the bottom.

The main content area displays a table of existing policies. The columns are 'Policy name', 'Type', and 'Used as'. The table lists several customer-managed permissions policies, each with a small icon and a link to its details. A blue 'Create policy' button is located in the top right corner of the main content area.

The screenshot shows the 'Specify permissions' step of the 'Create policy' wizard. The top navigation bar indicates the current step: 'Step 1 Specify permissions' and 'Step 2 Review and create'. The main area is titled 'Specify permissions' with a 'Info' link. It contains a sub-section 'Policy editor' with a 'Visual' tab selected. Below this is a 'Select a service' dropdown with the option 'Popular services' checked. Underneath are links for 'Auto Scaling', 'CloudFront', 'EC2', 'Lambda', 'RDS', 'S3', and 'SNS'. At the bottom right are 'Cancel' and 'Next' buttons.

Inbox (2) Create pol... demo-160... s3 bucket... Bucket an... AWS-S3-B... Troublesh... Bucket pol... Amazon S... +

← → ↗ us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/policies/create?step=addPermissions

aws Services Search [Alt+S] Global Saurabh Gupta

Specify permissions Add permissions by selecting services, actions, resources, and conditions. Build permission statements using the JSON editor.

Step 2 Review and create Policy editor Visual JSON Actions

```
1 "Version": "2012-10-17",
2 "Statement": [
3     {
4         "Effect": "Allow",
5         "Action": [
6             "s3:PutObject",
7             "s3>ListBucket",
8             "s3:GetObject",
9             "s3GetObjectVersion",
10            "s3>DeleteObject",
11            "s3DeleteObjectVersion",
12            "Resource": "arn:aws:s3:::demo-16092023/*"
13        ]
14    }
15]
16
```

Edit statement Select a statement Add new statement

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Inbox (1) Create policy demo-16092023 s3 bucket pol... Bucket and g... AWS-S3-B... Bucket pol... Amazon S... +

← → ↗ us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/policies/create?step=reviewAndCreate

aws Services Search [Alt+S] Global Saurabh Gupta

Step 1 Review and create Specify permissions

Review the permissions, specify details, and tags.

Step 2 Review and create Policy details

Policy name Enter a meaningful name to identify this policy.
demo_18092023 Maximum 128 characters. Use alphanumeric and '+-=,@_-.' characters.

Description - optional Add a short explanation for this policy.
this policy will be used to access user in the snowflake Maximum 1,000 characters. Use alphanumeric and '+-=,@_-.' characters.

This policy defines some actions, resources, or conditions that do not provide permissions. To grant access, policies must have an action that has an applicable resource or condition. For details, choose Show remaining. Learn more

Permissions defined in this policy Info Edit

Detailed description of the policy document: This policy grants various S3 actions (PutObject, ListBucket, GetObject, GetObjectVersion, DeleteObject, DeleteObjectVersion) on all objects within the bucket 'demo-16092023'. It does not specify a resource, so it applies to all objects in the bucket.

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The screenshot shows the AWS IAM Policies page. The left sidebar is titled "Identity and Access Management (IAM)" and includes sections for Dashboard, Access management (User groups, Users, Roles, Policies), and Access reports (Access analyzer, Archive rules, Analyzers, Settings). The main content area lists various IAM roles:

Role Name	Type	Last Updated
AWSCodePipelineServiceRole-ap-south-1-predicting_student_responses	Customer managed	Permissions policy (1)
AWSCodePipelineServiceRole-ap-south-1-student_responses	Customer managed	Permissions policy (1)
AWSCodePipelineServiceRole-ap-south-1-test	Customer managed	Permissions policy (1)
AWSCodePipelineServiceRole-ap-south-1-thyroid	Customer managed	Permissions policy (1)
AWSCodePipelineServiceRole-ap-south-1-thyroid_detection	Customer managed	Permissions policy (1)
AWSCodePipelineServiceRole-ap-south-1-thyroid_new	Customer managed	Permissions policy (1)
AWSCodePipelineServiceRole-ap-south-1-tuitionprojectpipeline	Customer managed	Permissions policy (1)
demo_18092024	Customer managed	None
AdministratorAccess	AWS managed - j...	None
PowerUserAccess	AWS managed - j...	None
ReadOnlyAccess	AWS managed - j...	None
AWSCloudFormationReadOnlyAccess	AWS managed	None
CloudFrontFullAccess	AWS managed	None
AWSCloudHSMFullAccess	AWS managed	None

At the bottom, there are links for CloudShell, Feedback, Language, and a footer with copyright information and links for Privacy, Terms, and Cookie preferences.

Create Role

The screenshot shows the AWS IAM Roles page. The left sidebar is identical to the previous screenshot. The main content area displays a list of existing roles under the heading "Roles (19) Info".

Roles (19) Info
An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Role name	Trusted entities	Last activity
aws-elasticbeanstalk-ec2-role	AWS Service: ec2	
aws-elasticbeanstalk-service-role	AWS Service: elasticbeanstalk	
AWSCodePipelineServiceRole-ap-northeast-1-myfirstpl	AWS Service: codepipeline	
AWSCodePipelineServiceRole-ap-south-1-cicdrandomforest	AWS Service: codepipeline	
AWSCodePipelineServiceRole-ap-south-1-codedipedecisiontree	AWS Service: codepipeline	
AWSCodePipelineServiceRole-ap-south-1-firstpipeline	AWS Service: codepipeline	
AWSCodePipelineServiceRole-ap-south-1-mypipelinenl01r	AWS Service: codepipeline	
AWSCodePipelineServiceRole-ap-south-1-omdena	AWS Service: codepipeline	

At the bottom, there are links for CloudShell, Feedback, Language, and a footer with copyright information and links for Privacy, Terms, and Cookie preferences.

Inbox (1) - saurabhg2083@gmail.com Create role | IAM | Global us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/create

IAM Services Search [Alt+S]

Step 1 Select trusted entity Step 2 Add permissions Step 3 Name, review, and create

Select trusted entity Info

Trusted entity type

AWS service Allow AWS services like EC2, Lambda, or others to perform actions in this account.

AWS account Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

Web identity Allows users federated by the specified external web identity provider to assume this role to perform actions in this account.

SAML 2.0 federation Allows users federated with SAML 2.0 from a corporate directory to perform actions in this account.

Custom trust policy Create a custom trust policy to enable others to perform actions in this account.

An AWS account

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Inbox (1) - saurabhg2083@gmail.com Create role | IAM | Global us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/create

IAM Services Search [Alt+S]

An AWS account

Allow entities in other AWS accounts belonging to you or a 3rd party to perform actions in this account.

This account (██████████)

Another AWS account

Options

Require external ID (Best practice when a third party will assume this role)
You can increase the security of your role by requiring an optional external identifier, which prevents "confused deputy" attacks. This is recommended if you do not own or have administrative access to the account that can assume this role. The external ID can include any characters that you choose. To assume this role, users must be in the trusted account and provide this exact external ID. [Learn more](#)

External ID
██████████

Important: The console does not support using an external ID with the Switch Role feature. If you select this option, entities in the trusted account must use the API, CLI, or a custom federation proxy to make cross-account iam:AssumeRole calls. [Learn more](#)

Require MFA
Requires that the assuming entity use multi-factor authentication.

Cancel Next

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Inbox (1) - saurabhg2083@gmail.com Create role | IAM | Global

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/create?trustedEntityType=AWS_ACCOUNT&isThirdParty=true&externalId=5...

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Add permissions Info

Permissions policies (890) Info

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

Filter by Type

Policy name	Type	Description
AdministratorAccess	AWS managed - job function	Provides full access to AWS services an...
AdministratorAccess-Amp...	AWS managed	Grants account administrative permis...
AdministratorAccess-AWS...	AWS managed	Grants account administrative permis...
AlexaForBusinessDeviceS...	AWS managed	Provide device setup access to AlexaFo...
AlexaForBusinessFullAccess	AWS managed	Grants full access to AlexaForBusiness ...
AlexaForBusinessGateway...	AWS managed	Provide gateway execution access to A...
AlexaForBusinessLifesize...	AWS managed	Provide access to Lifesize AVS devices

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Inbox (1) - saurabhg2083@gmail.com Create role | IAM | Global

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/create?trustedEntityType=AWS_ACCOUNT&isThirdParty=true&externalId=5...

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Add permissions Info

Permissions policies (1/890) Info

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

Filter by Type

Policy name	Type	Description
demo_18092023	Customer managed	this pol...

▶ Set permissions boundary - optional

Cancel Previous Next

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Inbox (1) - saurabhg2083@gmail.com Create role | IAM | Global

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/create?trustedEntityType=AWS_ACCOUNT&isThirdParty=true&externalId=5...

IAM > Roles > Create role

Step 1 Select trusted entity

Step 2 Add permissions

Step 3 Name, review, and create

Name, review, and create

Role details

Role name
Enter a meaningful name to identify this role.

Maximum 64 characters. Use alphanumeric and '+,-,@,_' characters.

Description
Add a short explanation for this role.

Maximum 1000 characters. Use alphanumeric and '+,-,@,_' characters.

Step 1: Select trusted entities Edit

Trust policy

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Inbox (1) - saurabhg2083@gmail.com Roles | IAM | Global

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

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

View role

Role demo_18092023 created.

Roles (20) Info

An IAM role is an identity you can create that has specific permissions with credentials that are valid for short durations. Roles can be assumed by entities that you trust.

Create role

Role name	Trusted entities	Last activity
aws-elasticbeanstalk-ec2-role	AWS Service: ec2	34 minutes
aws-elasticbeanstalk-service-role	AWS Service: elasticbeanstalk	1 hour ago
AWSCodePipelineServiceRole-ap-northeast-1-myfirstpl	AWS Service: codepipeline	211 days ag
AWSCodePipelineServiceRole-ap-south-1-cicdrandomforest	AWS Service: codepipeline	126 days ag
AWSCodePipelineServiceRole-ap-south-1-codepipedecisiontree	AWS Service: codepipeline	126 days ag
AWSCodePipelineServiceRole-ap-south-1-firstpipeline	AWS Service: codepipeline	210 days ag

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Inbox (1) - saurabhg2083@gmail.com | demo_18092023 | IAM | Global | +

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/details/demo_18092023?section=permissions

Identity and Access Management (IAM)

demo_18092023 [Info](#)

This role will be used by snowflake

[Delete](#) [Edit](#)

Summary

Creation date September 17, 2023, 10:51 (UTC+05:30)	ARN arn:aws:iam::561907219279:role/demo_18092023	Link to switch roles in console https://signin.aws.amazon.com/switchrole?roleName=demo_18092023&account=561907219279
Last activity -	Maximum session duration 1 hour	

[Edit](#)

Permissions [Trust relationships](#) [Tags](#) [Access Advisor](#) [Revoke sessions](#)

Permissions policies [Info](#)

You can attach up to 10 managed policies.

[C](#) [Simulate](#) [Remove](#) [Add permissions](#)

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Snowflake

Inbox (1) - saurabhg2083@gmail.com | demo_18092023 | IAM | Global | 2023-09-17 11:01am - Snowflake | +

app.snowflake.com/gbdhkqn/ps54054/w1p50fWk22TN/query

Worksheets 2023-09-17 11:01am [+](#)

Databases Worksheets [Share](#) [Draft](#) [Q](#)

No Database selected [Settings](#)

1 CREATE DATABASE DEMO;
2 CREATE SCHEMA DEMO_18092023;

ACCOUNTADMIN * COMPUTE_WH

SNOWFLAKE SNOWFLAKE_SAMPLE_DATA

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The screenshot shows the Snowflake UI interface. On the left, the sidebar displays 'Databases' and 'Worksheets'. Under 'Databases', there is a single entry: 'DEMO' with 'DEMO_18092023' listed under it. The main area shows a query window with the following code:

```
1 CREATE SCHEMA DEMO_18092023;
2 SHOW SCHEMAS;
```

The results pane shows a table with the following data:

	created_on	name	...	is_default	is_current	database
1	2023-09-16 22:38:21.166 -0700	DEMO_18092023		N	Y	DEMO
2	2023-09-16 22:38:25.774 -0700	INFORMATION_SCHEMA		N	N	DEMO
3	2023-09-16 22:33:58.615 -0700	PUBLIC		N	N	DEMO

CREATE OR REPLACE STORAGE INTEGRATION aws_s3_int

TYPE = EXTERNAL_STAGE

STORAGE_PROVIDER = 'S3'

ENABLED = TRUE

STORAGE_AWS_ROLE_ARN = 'arn:aws:iam::001234567890:role/myrole'

STORAGE_ALLOWED_LOCATIONS = ('s3://mybucket1/mypath1/', 's3://mybucket2/mypath2/');

The screenshot shows the Snowflake UI interface. On the left, the sidebar displays databases like DEMO, SNOWFLAKE, and SNOWFLAKE_SAMPLE_DATA. The main area shows a query editor with the following code:

```

1 CREATE OR REPLACE STORAGE INTEGRATION aws_s3_int
2   TYPE = EXTERNAL_STAGE
3   STORAGE_PROVIDER = 'S3'
4   ENABLED = TRUE
5   STORAGE_AWS_ROLE_ARN = 'arn:aws:iam::561907219279:role/demo_18092023'
6   STORAGE_ALLOWED_LOCATIONS = ('s3://demo-16092023/');

```

The results pane shows a single row:

status
Integration AWS_S3_INT successfully created.

On the right, the Query Details panel shows:

- Query duration: 111ms
- Rows: 1
- Query ID: 01af0afa-0000-72dc-0...
- status: 100% filled

SHOW INTEGRATIONS;

The screenshot shows the Snowflake UI interface. On the left, the sidebar displays databases like DEMO, SNOWFLAKE, and SNOWFLAKE_SAMPLE_DATA. The main area shows a query editor with the following command:

```
1 SHOW INTEGRATIONS;
```

The results pane shows a table of integrations:

name	type	category	...	enabled	comment
AWS_S3_INT	EXTERNAL_STAGE	STORAGE		true	null

On the right, the Query Details panel shows:

- category: STORAGE

The screenshot shows the Snowflake UI interface. On the left, there's a sidebar with 'Worksheets' and '2023-09-17 11:01am'. Below it, under 'Databases', there's a tree view with 'DEMO' expanded, showing 'DEMO_18092023', 'INFORMATION_SCHEMA', 'PUBLIC', 'SNOWFLAKE', and 'SNOWFLAKE_SAMPLE_DATA'. The main area has tabs for 'Results' and 'Chart'. A query result table is displayed:

property	property_type	property_value
ENABLED	Boolean	true
STORAGE_PROVIDER	String	S3
STORAGE_ALLOWED_LOCATIONS	List	s3://demo-16092023/
STORAGE_BLOCKED_LOCATIONS	List	
STORAGE_AWS_IAM_USER_ARN	String	arn:aws:iam::164743210672:user/784c0000-s
STORAGE_AWS_ROLE_ARN	String	arn:aws:iam::561907219279:role/demo_18092023
STORAGE_AWS_EXTERNAL_ID	String	ZL87126_SFCRole=2_zYrbVuExVxnQj430TIotNulay
COMMENT	String	

Edit AWS TRUST Relationships for Snowflake User ARN

The screenshot shows the AWS IAM Trust Relationships page. The left sidebar includes 'Identity and Access Management (IAM)', 'Dashboard', and sections for 'Access management', 'Access reports', and 'Settings'. The main content area shows the 'Trust relationships' tab selected. It displays a JSON policy document under 'Trusted entities':

```

1  {
2    "Version": "2012-10-17",
3    "Statement": [
4      {
5        "Effect": "Allow",
6        "Principal": {
7          "AWS": "arn:aws:iam::561907219279:root"
8        },
9        "Action": "sts:AssumeRole",
10       "Condition": {
11         "StringEquals": {
12           "sts:ExternalId": "561907219279"
13         }
14       }
15     }
16   ]
17 }
  
```

The screenshot shows the Snowflake UI interface. On the left, there's a sidebar with 'Worksheets' and '2023-09-17 11:01am'. Below it, under 'Pinned (0)', is a section for 'DEMO' which contains 'DEMO_18092023' and 'INFORMATION_SCHEMA'. Other pinned objects include 'PUBLIC', 'SNOWFLAKE', and 'SNOWFLAKE_SAMPLE_DATA'. The main area shows a query result table titled 'Results' with the following data:

key	property_type	property_value
1	Boolean	true
2	String	S3
3	List	s3://demo-16092023/
4	List	
5	String	arn:aws:iam::164743210672:user/784c0000-s
6	String	arn:aws:iam::561907219279:role/demo_18092023
7	String	ZLB7126_SFCRole=2_zYrbVuExVxnQj430TI0tHuIayv4=
8	String	

On the right, there's a search bar and some icons. The bottom status bar shows 'ENG 11:29 AM'.

The screenshot shows the AWS IAM Trust Policy editor. The left pane displays the JSON policy code:

```
1 {  
2     "Version": "2012-10-17",  
3     "Statement": [  
4         {  
5             "Effect": "Allow",  
6             "Principal": {  
7                 "AWS": "arn:aws:iam::164743210672:user/784c0000-s"  
8             },  
9             "Action": "sts:AssumeRole",  
10            "Condition": {  
11                "StringEquals": {  
12                    "sts:ExternalId": "ZLB7126_SFCRole=2_zYrbVuExVxnQj430TI0tHuIayv4="  
13                }  
14            }  
15        }  
16    ]  
17 }
```

The right pane shows the 'Edit statement' section with an 'Add actions for STS' dropdown containing 'sts:AssumeRole' and other options like 'GetSessionToken'. It also lists 'Access level - read' and 'Access level - read or write' actions. The bottom status bar shows 'ENG 11:30 AM'.

Inbox (2) - saurabhg2083@gmail.com | demo_18092023 | IAM | Global | 2023-09-17 11:01am - Snowflake | Option 1: Configuring a Snowflake | +

us-east-1.console.aws.amazon.com/iamv2/home?region=ap-south-1#/roles/details/demo_18092023)section=trust_relationships

aws Services Search [Alt+S]

Identity and Access Management (IAM)

Trust policy updated.

1 hour

Permissions Trust relationships Tags Access Advisor Revoke sessions

Trusted entities

Entities that can assume this role under specified conditions.

Edit trust policy

```
1 [ { "Version": "2012-10-17", "Statement": [ { "Effect": "Allow", "Principal": { "AWS": "arn:aws:iam::164743210672:user/784c0000-s" }, "Action": "sts:AssumeRole", "Condition": { "StringEquals": { "sts:ExternalId": "ZL87126_SFCRole=2_zYrbVuExVxnQj430TIotNuIayv4=" } } } ] }
```

CloudShell Feedback Language © 2023, Amazon Web Services India Private Limited or its affiliates. Privacy Terms Cookie preferences ENG 11:31 AM

Inbox (2) - saurabhg2083@gmail.com | demo_18092023 | IAM | Global | 2023-09-17 11:01am - Snowflake | Option 1: Configuring a Snowflake | +

app.snowflake.com/gbdhkqn/ps5045/w1p50fWk22TN#query

Worksheets 2023-09-17 11:01am +

Databases Worksheets

Pinned (0)

No pinned objects

All Objects

DEMO

- DEMO_18092023
 - No Objects found
- INFORMATION_SCHEMA
- PUBLIC

SNOWFLAKE

SNOWFLAKE_SAMPLE_DATA

ACCOUNTADMIN * COMPUTE_WH Share

DESC INTEGRATION aws_s3_int;

GRANT USAGE ON INTEGRATION aws_s3_int TO ROLE accountadmin;

Results Chart

status
1 Statement executed successfully.

Query Details

status 100% filled

ENG 11:33 AM

Inbox (2) - saurabhg2083@gmail.com | demo_18092023 | IAM | Global | 2023-09-17 11:01am - Snowflake | Copying Data from an S3 Stage | +

← → C app.snowflake.com/gbdhkqn/ps54054/w1p50fWk22TN#query

Worksheets 2023-09-17 11:01am +

Databases Worksheets

Pinned (0)

No pinned objects

Q All Objects ...

DEMO

- DEMO_18092023
 - No Objects found
- INFORMATION_SCHEMA
- PUBLIC

SNOWFLAKE

SNOWFLAKE_SAMPLE_DATA

DEMO.DEMO_18092023 Settings

Latest Version v Share

CREATE OR REPLACE FILE FORMAT demo_format
type='CSV'
skip_header=1;

Results Chart

status
1 File format DEMO_FORMAT successfully created.

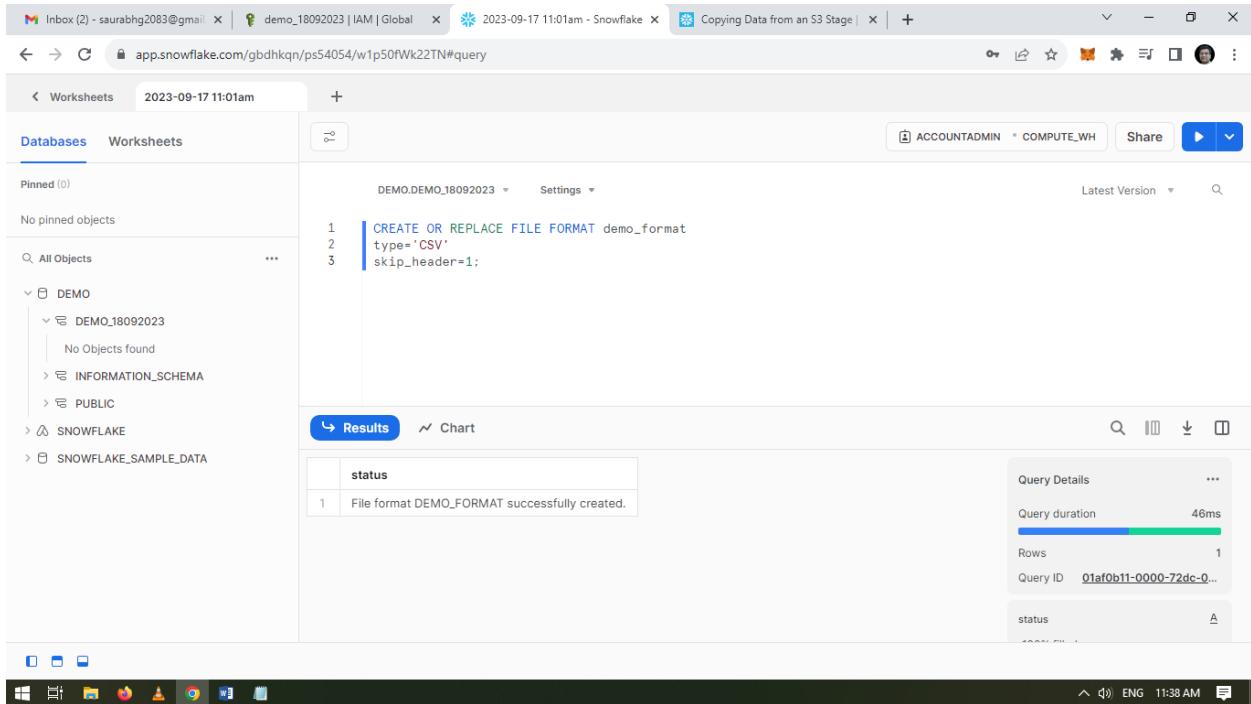
Query Details

Query duration 46ms

Rows 1

Query ID 01af0b11-0000-72dc-0...

status A



Inbox (2) - saurabhg2083@gmail.com | demo_18092023 | IAM | Global | 2023-09-17 11:01am - Snowflake | Creating an S3 Stage | Snowflake | +

← → C app.snowflake.com/gbdhkqn/ps54054/w1p50fWk22TN#query

Worksheets 2023-09-17 11:01am +

Databases Worksheets

Pinned (0)

No pinned objects

Q All Objects ...

DEMO

- DEMO_18092023
 - No Objects found
- INFORMATION_SCHEMA
- PUBLIC

SNOWFLAKE

SNOWFLAKE_SAMPLE_DATA

DEMO.DEMO_18092023 Settings

Latest Version v Draft

CREATE OR REPLACE FILE FORMAT demo_format
type='CSV'
skip_header=1;

CREATE OR REPLACE STAGE demo_aws_stage
STORAGE_INTEGRATION = aws_s3_int
URL = 's3://demo-18092023/'
FILE_FORMAT = demo_format;

Results Chart

status
1 File format DEMO_FORMAT successfully created.

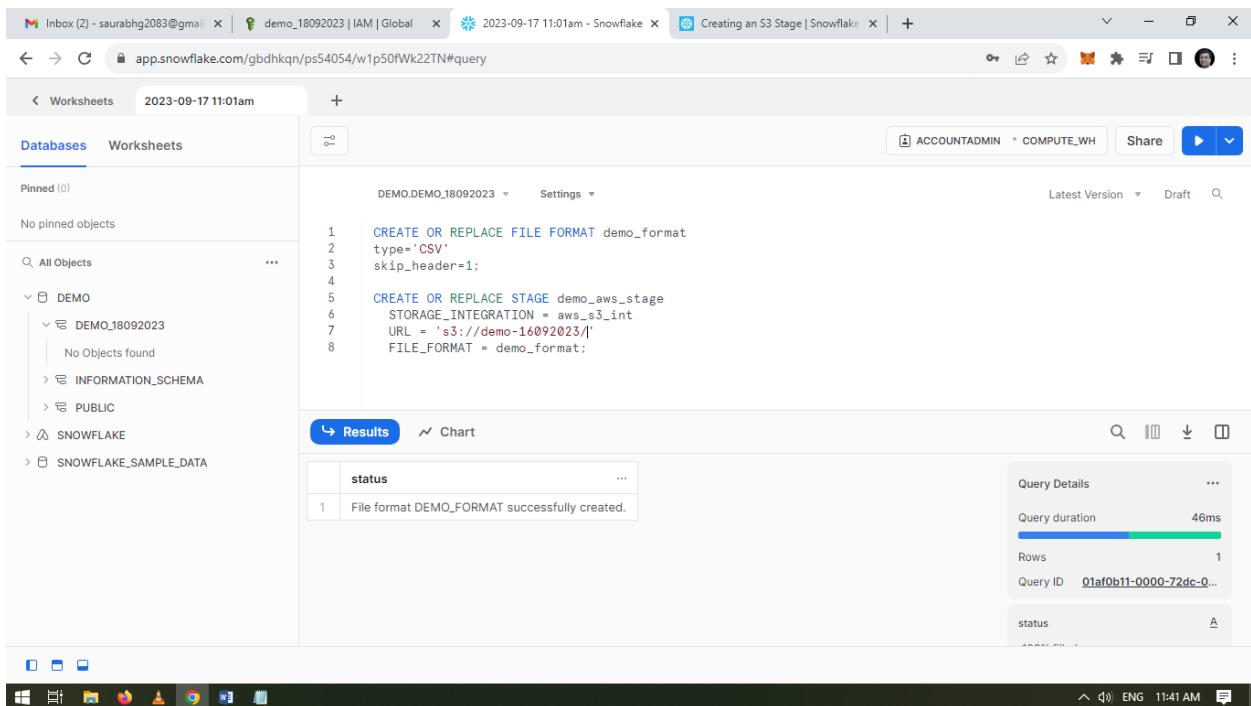
Query Details

Query duration 46ms

Rows 1

Query ID 01af0b11-0000-72dc-0...

status A



```
CREATE OR REPLACE FILE FORMAT demo_format  
type='CSV'  
skip_header=1;
```

```
CREATE OR REPLACE STAGE demo_aws_stage  
STORAGE_INTEGRATION = aws_s3_int  
URL = 's3://demo-XXXXXX/'  
FILE_FORMAT = demo_format;
```

The screenshot shows the Snowflake Web UI interface. The top navigation bar includes tabs for 'Inbox (2)', 'demo_18092023 | IAM | Global', '2023-09-17 11:01am - Snowflake', 'Creating an S3 Stage | Snowflake', and a '+' button. Below the navigation is a header with 'ACCOUNTADMIN' and 'COMPUTE_WH' roles, and a 'Share' button. The main area has tabs for 'Databases' (selected) and 'Worksheets'. A sidebar on the left shows 'Pinned (0)' and 'No pinned objects'. Under 'All Objects' in the 'DEMO' database, there is a 'DEMO_18092023' schema which contains 'INFORMATION_SCHEMA', 'PUBLIC', and 'SNOWFLAKE' objects. The 'SNOWFLAKE_SAMPLE_DATA' schema is also listed. The central workspace displays two SQL queries:

```
1 CREATE OR REPLACE FILE FORMAT demo_format  
2 type='CSV'  
3 skip_header=1;  
4  
5 CREATE OR REPLACE STAGE demo_aws_stage  
6 STORAGE_INTEGRATION = aws_s3_int  
7 URL = 's3://demo-16092023/'  
8 FILE_FORMAT = demo_format;
```

The 'Results' tab shows a single row of output:

status
1 Stage area DEMO_AWS_STAGE successfully created.

On the right, the 'Query Details' panel shows:

- Query duration: 909ms
- Rows: 1
- Query ID: 01af0b17-0000-72dd-0...

Inbox (3) - saurabhg2083@gmail.com | demo-16092023 - S3 bucket | IAM | Global | 2023-09-17 11:01am - Snowflake | +

← → C app.snowflake.com/gbdhkqn/ps54054/w1p50fWk22TN#query

Worksheets 2023-09-17 11:01am +

Databases Worksheets

Pinned (0)

No pinned objects

>All Objects ...

DEMO

- DEMO_18092023
 - No Objects found
- INFORMATION_SCHEMA
- PUBLIC
- SNOWFLAKE
- SNOWFLAKE_SAMPLE_DATA

1 List @demo_aws_stage;

Results Chart

name	size	md5
s3://demo-16092023/MavenMarket_Calendar.csv	8,004	da7d0c13cdb4fd129887d476f
s3://demo-16092023/MavenMarket_Customers.csv	1,576,785	676739cde95cb4e19f0d5022
s3://demo-16092023/MavenMarket_Products.csv	104,252	90690e3c688f69760f3e08bc1
s3://demo-16092023/MavenMarket_Regions.csv	2,887	dd327157dcba8fdbd64e3cd5
s3://demo-16092023/MavenMarket_Returns_1997-1998.csv	141,531	afb2906018cdad456c8fdfffd3e
s3://demo-16092023/MavenMarket_Stores.csv	2,896	418e5c70dc4b7763b1862ba3
s3://demo-16092023/MavenMarket_Transactions_1997.csv	3,030,338	7a14da3f0d64347ad831a191f
s3://demo-16092023/MavenMarket_Transactions_1998.csv	6,362,895	fbfcbcc0ef1030d89b10b99f7

Query Details

Query duration 74ms

Rows 8

Query ID 01af0b37-0000-72dc-0...

name A

100% filled

size #

Windows Taskbar: File Explorer, Firefox, VNC, Chrome, FileZilla, Notepad, Excel, X

12:20 PM

Inbox (4) - saurabhg2083@gmail.com | demo-16092023 - S3 | IAM | Global | 2023-09-17 11:01am - Snowflake: Create a T... | Google Sheets: create table in snowfl... | Snowflake: Create a T... | +

← → C app.snowflake.com/gbdhkqn/ps54054/w1p50fWk22TN#query

Worksheets 2023-09-17 11:01am +

Databases Worksheets

Pinned (0)

No pinned objects

All Objects ...

DEMO

- DEMO_18092023
 - No Objects found
- INFORMATION_SCHEMA
- PUBLIC
- SNOWFLAKE
- SNOWFLAKE_SAMPLE_DATA

1 CREATE or REPLACE table MavenMarket_Customers ()

customer_id integer,
customer_acct_num string,
first_name string,
last_name string,
customer_address string,
customer_city string,
customer_state_province string,
customer_postal_code string,
customer_country string,
birthdate string,
marital_status string,
yearly_income string,
gender string,tot...
total_children string,
num_children_at_home string,
education string,
acct_open_datestring,
member_card string,
occupation string,
homeowner string)

Windows Taskbar: File Explorer, Firefox, VNC, Chrome, FileZilla, Notepad, Excel, X

12:25 PM

The screenshot shows a Snowflake Worksheet window titled '2023-09-17 11:01am'. The left sidebar shows pinned objects under the 'DEMO' schema, including 'DEMO_18092023', 'INFORMATION_SCHEMA', 'PUBLIC', 'SNOWFLAKE', and 'SNOWFLAKE_SAMPLE_DATA'. The main area displays a SQL query:

```

14 gender string, total_children string,
15 num_children_at_home string,
16 education string,
17 acct_open_date string,
18 member_card string,
19 occupation string,
20 homeowner string)

```

The results pane shows a single row:

status
1 Table MAVENMARKET_CUSTOMERS successfully created.

The 'Query Details' panel indicates a duration of 130ms and 1 row processed. The status bar at the bottom shows 'ENG 12:25 PM'.

Copy to Table and Select Records

The screenshot shows a Snowflake Worksheet window titled '2023-09-17 11:01am'. The left sidebar shows pinned objects under the 'DEMO' schema, including 'DEMO_18092023', 'INFORMATION_SCHEMA', 'PUBLIC', 'SNOWFLAKE', and 'SNOWFLAKE_SAMPLE_DATA'. The main area displays a SQL query:

```

1 COPY into MavenMarket_Customers
2 from @demo_aws_stage/MavenMarket_Customers.csv
3 file_format=(format_name=demo_format);
4
5 Select * FROM MavenMarket_Customers;

```

The results pane shows the data copied into the table:

STOMER_ID	CUSTOMER_ACCT_NUM	FIRST_NAME	LAST_NAME
1	87462024688	Sheri	Nowmer
2	87470586299	Derrick	Whelpy
3	87475757600	Jeanne	Derry
4	87500482201	Michael	Spence
5	87514054179	Maya	Gutierrez
6	87517782449	Robert	Damstra
7	87521172800	Rebecca	Kanagak
8	87539744377	Kim	Brunner
9	87544797658	Brenda	Blumberg

The 'Query Details' panel indicates a duration of 457ms and 10K rows processed. The status bar at the bottom shows 'ENG 12:34 PM'.

