

① Users and groups:

① Users: 1) Individuals who can log in to a cloud service with unique credentials

Access control: Users are assigned specific permissions to determine what resources and actions they can access.

Authentication and Authorization: Verifying user identity and granting appropriate permissions.

② groups: 1) A collection of users with similar access rights and permissions

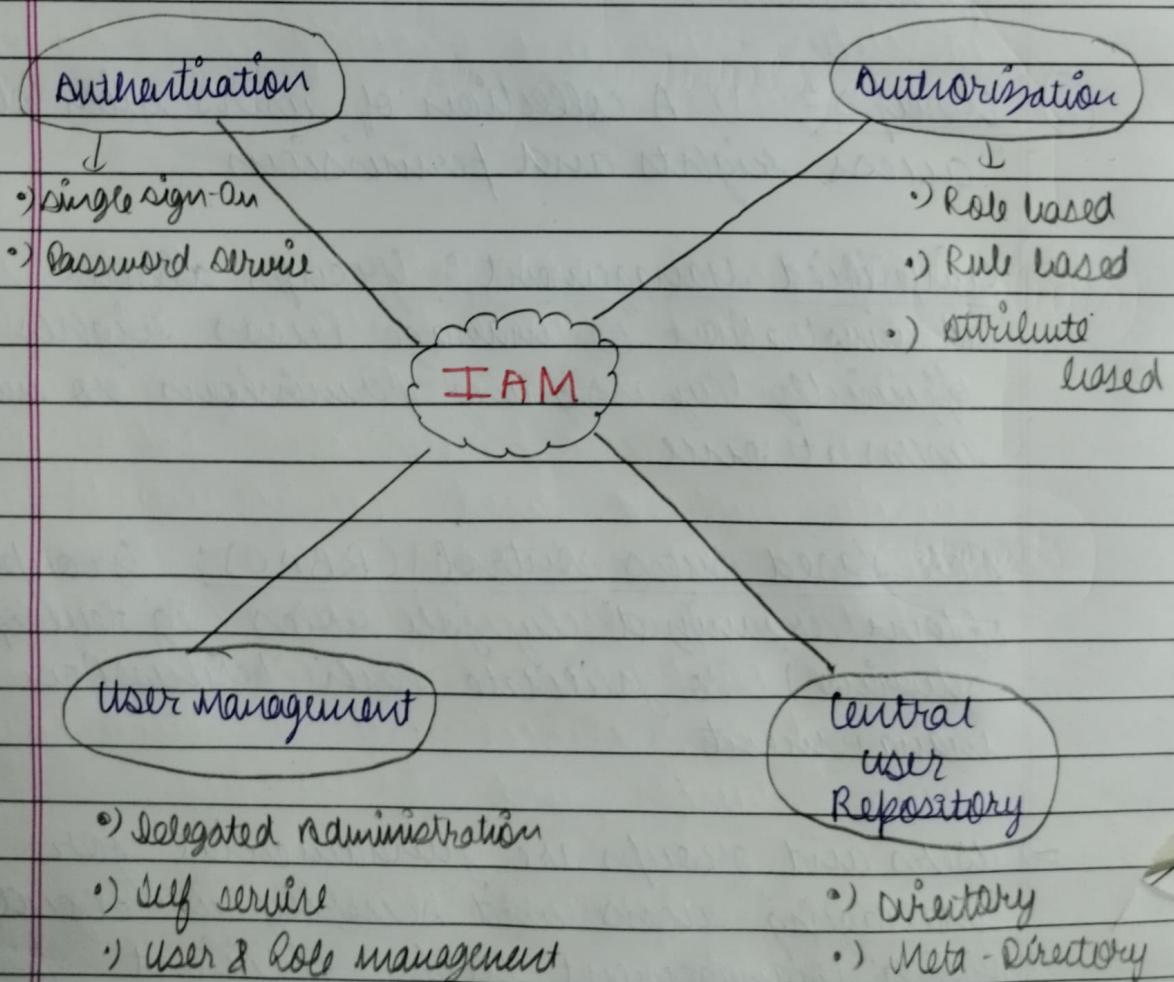
Simplified management: Groups allow administration to manage access rights efficiently by assigning permissions to multiple users at once.

Role Based Access Control (RBAC): Groups are often organized by job roles (eg developers, admins) to facilitate easier permission management.

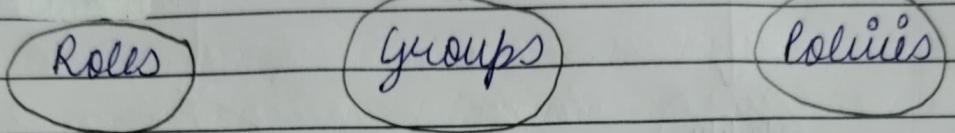
⇒ Users and groups are fundamental for managing access and security in cloud environments. Proper management helps efficient operations, enhanced security, and compliance with regulatory requirements.

② Identity and Access Management (IAM):

It is a framework of policies, technologies, and practices designed to manage digital identities and control access to resources within an organization. In the context of CC, it plays a crucial role in securing access to cloud services and ensuring that only authorized users and services have the necessary permissions to perform actions on cloud resources.



Components of IAM

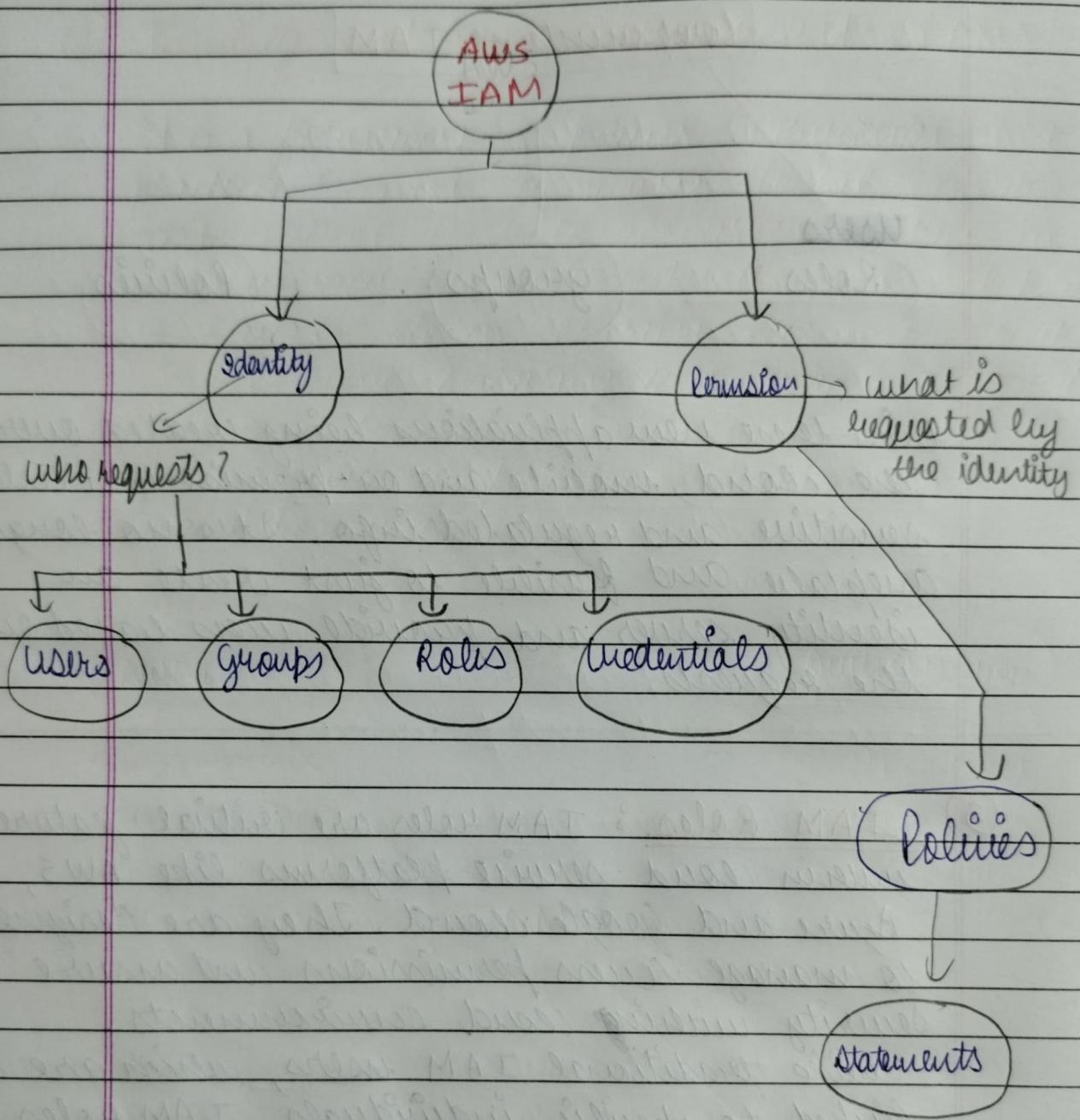


With these new applications being created over the cloud, mobile and on-premise can hold sensitive and regulated info. It's no longer acceptable and feasible to just create an identity server and provide users based on the requests.

③ IAM Roles: IAM roles are critical feature within cloud service platforms like AWS, Azure and Google Cloud. They are designed to manage access permissions and ensure security within cloud environments. Unlike traditional IAM users, which are linked to specific individuals, IAM roles provide temporary credentials that can be used by various entities, including users, services, and applications.

use cases:
1) Services Access: Allowing AWS services like EC2 etc.

2) Temporary Usage Access: Granting short term access.



Dashboard | IAM | Global

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

AWS Services Search: IAM

Identity and Access Management (IAM)

Search results for "IAM"

Services (11) See all 11 results ▾

- Features (24)
- Resources New
- Documentation (59,243)
- Knowledge Articles (474)
- Marketplace (852)
- Blogs (1,853)
- Events (12)
- Tutorials (1)

Features See all 24 results ▾

- Groups
- Roles
- Roles Anywhere

Resources / for a focused search

Introducing resource search

Enable to show cross-region resources for your account in search results. Takes less than 5 minutes to set up.

Dismiss Go to Resource Explorer

AWS Account

- Account ID: 539713128065
- Account Alias: Create
- Sign-in URL for IAM users in this account: https://339713128065.signin.aws.amazon.com/console

Quick Links

- My security credentials
- Manage your access keys, multi-factor authentication (MFA) and other credentials.

Tools

- Policy simulator

Additional information

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CloudShell Feedback

Type here to search

This screenshot shows the AWS IAM Home page. The left sidebar includes sections for Access management, Access reports, and Related consoles. The main content area displays search results for 'IAM' under 'Services', listing IAM, IAM Identity Center, and Resource Access Manager. It also shows 'Features' like Groups, Roles, and Roles Anywhere. A prominent 'Introducing resource search' message is displayed. The right side contains sections for the AWS Account (Account ID, Account Alias, Sign-in URL), Quick Links (My security credentials, Manage your access keys, multi-factor authentication (MFA) and other credentials), Tools (Policy simulator), and Additional information.

Users | IAM | Global

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

AWS Services Search: IAM

Identity and Access Management (IAM)

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.

Create user

User name	Path	Group	Last activity	MFA	Password age	Console last sign-in	Access key ID	Active key age
No resources to display								

CloudShell Feedback

Type here to search

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This screenshot shows the AWS IAM Users page. The left sidebar is identical to the Home page. The main content area shows a table titled 'Users (0) info' with a note about what an IAM user is. The table has columns for User name, Path, Group, Last activity, MFA, Password age, Console last sign-in, Access key ID, and Active key age. A message at the bottom states 'No resources to display'. The bottom of the screen shows the Windows taskbar with various pinned icons.

Create user | IAM | Global

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

IAM Services Q IAM

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

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](#)

Set permissions boundary - optional

Cancel Previous Next

CloudShell Feedback

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EN 10:14 03-08-2024

Create user | IAM | Global

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

IAM Services Q IAM

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

Specify user details

User details

User name

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.

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 Feedback

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EN 10:14 03-08-2024

Create user | IAM | Global

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

IAM Services Q IAM

IAM > Users > Create user

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

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	Console password type	Require password reset
Admin_CC	None	No

Permissions summary

Name	Type	Used as
No resources		

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

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Admin_CC | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#users/details/Admin_CC)section=permissions

IAM Services Q IAM

IAM > Users > Admin_CC

Admin_CC

Summary

ARN	Console access	Access key 1
arn:aws:iam::339713128065:user/Admin_CC	Disabled	Create access key
Created	Last console sign-in	
August 03, 2024, 16:15 (UTC+05:30)	-	

Permissions Groups Tags Security credentials Access Advisor

Permissions policies (0)

Permissions are defined by policies attached to the user directly or through groups.

Filter by Type

Policy name	Type	Attached via
No resources to display		

▶ Permissions boundary (not set)

▼ Generate policy based on CloudTrail events

You can generate a new policy based on the access activity for this user, then customize, create, and attach it to this role. AWS uses your CloudTrail events to identify the services and actions used and generates a policy. Learn more.

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Screenshot of the AWS IAM User Details page for Admin_CC.

Summary

ARN	Console access	Access key 1
arn:aws:iam::339713128065:user/Admin_CC	Disabled	Create access key
Created	Last console sign-in	
August 03, 2024, 16:15 (UTC+05:30)	-	

Permissions | **Groups** | **Tags** | **Security credentials** (selected) | **Access Advisor**

Console sign-in

Console sign-in link	Console password
https://339713128065.sigin.aws.amazon.com/console	Not enabled

Multi-factor authentication (MFA) (0)

No MFA devices. Assign an MFA device to improve the security of your AWS environment.

Access keys (0)

CloudShell Feedback

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Screenshot of the AWS IAM User Details page for Admin_CC, showing the "Enable console access" dialog open.

Enable console access

Enable console access for Admin_CC.

Console password
 Autogenerated password
 Custom password

User must create new password at next sign-in

Enable console access

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Screenshot of the AWS IAM console showing the user Admin_CC. A modal window titled "Console password" displays a success message: "You have successfully enabled the user's new password." It also shows the "Console sign-in URL" and a "Console password" field. The background shows the IAM user summary and other service notifications.

Screenshot of the Amazon Web Services Sign-In page. It features a "Try the new sign in UI" banner and a "Sign in as IAM user" form. The form includes fields for "Account ID (12 digits) or account alias" (339713128065), "IAM user name" (Admin_CC), "Password", and a "Remember this account" checkbox. Below the form is a "Sign in" button. To the right, there is an advertisement for "Amazon Lightsail" with the tagline "Lightsail is the easiest way to get started on AWS". The bottom of the page includes links for "Terms of Use", "Privacy Policy", and copyright information.



Console Home | Console Home | eu-north-1.console.aws.amazon.com/console/home?region=eu-north-1#

aws Services Search [Alt+S] Stockholm Admin_CC @ 3397-1312-8065

Console Home

Recently visited

No recently visited services

Explore one of these commonly visited AWS services.

EC2 S3 RDS Lambda

View all services Go to myApplications

Applications (0)

eu-north-1 (Current Region) Find applications

Name Description Region Originating account

Access denied

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.

AWS Health

No health data

You don't have permissions to access AWS Health.

Cost and usage

Current month costs

Cost breakdown

Forecasted month end costs

Savings opportunities

CloudShell Feedback Type here to search ENG 10:27 03-08-2024

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Policies | IAM | Global | us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#policies

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access Analyzer

External access

Unused access

Analyzer settings

Credential report

Organization activity

Service control policies

Related consoles

IAM Identity Center

AWS Organizations

Policies (1221)

A policy is an object in AWS that defines permissions.

Filter by Type

Search All types

Policy name	Type	Used as	Description
AccessAnalyzerServiceRolePolicy	AWS managed	None	-
AdministratorAccess	AWS managed - job function	None	Provides full access to AWS services an...
AdministratorAccess-Amplify	AWS managed	None	Grants account administrative permis...
AdministratorAccess-AWSElasticBeanstalk	AWS managed	None	Grants account administrative permis...
AlexaForBusinessDeviceSetup	AWS managed	None	Provide device setup access to AlexaFo...
AlexaForBusinessFullAccess	AWS managed	None	Grants full access to AlexaForBusiness ...
AlexaForBusinessGatewayExecution	AWS managed	None	Provide gateway execution access to A...
AlexaForBusinessLifesizeDelegatedAccess...	AWS managed	None	Provide access to Lifesize AVS devices
AlexaForBusinessNetworkProfileServicePo...	AWS managed	None	-
AlexaForBusinessPolicyDelegatedAccessPolicy	AWS managed	None	Provide access to Poly AVS devices
AlexaForBusinessReadOnlyAccess	AWS managed	None	Provide read only access to AlexaForB...
AmazonAPIGatewayAdministrator	AWS managed	None	Provides full access to create/edit/delete...
AmazonAPIGatewayInvokeFullAccess	AWS managed	None	Provides full access to invoke APIs in A...
AmazonAPIGatewayPushToCloudWatchLogs	AWS managed	None	Allows API Gateway to push logs to us...
AmazonAppFlowFullAccess	AWS managed	None	Provides full access to Amazon AppFlow...
AmazonAppFlowReadOnlyAccess	AWS managed	None	Provides read only access to Amazon A...
AmazonAppStreamFullAccess	AWS managed	None	Provides full access to Amazon AppStr...

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Screenshot of the AWS IAM User Details page for 'Admin_CC'.

User Summary:

- ARN: arn:aws:iam::339713128065:user/Admin_CC
- Console access: Enabled without MFA
- Created: August 03, 2024, 16:15 (UTC+05:30)
- Last console sign-in: Never
- Access key 1: Create access key

Permissions Tab:

- Permissions policies (0): Permissions are defined by policies attached to the user directly or through groups.
- Permissions boundary (not set): No resources to display.
- Generate policy based on CloudTrail events: You can generate a new policy based on the access activity for this user, then customize, create, and attach it to this role. AWS uses your CloudTrail events to identify the services and actions used and generate a policy. Learn more.

Bottom Navigation:

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- Windows taskbar icons
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- 16:33 03-08-2024

Screenshot of the AWS IAM Policies page.

Policies (1221) Info:

A policy is an object in AWS that defines permissions.

Filter by Type:

Policy name	Type	Used as	Description
AccessAnalyzerServiceRolePolicy	AWS managed	None	Provides full access to AWS services an...
AdministratorAccess	AWS managed - job function	None	Grants account administrative permis...
AdministratorAccess-Amplify	AWS managed	None	Grants account administrative permis...
AdministratorAccess-AWSElasticBeanstalk	AWS managed	None	Grants account administrative permis...
AlexaForBusinessDeviceSetup	AWS managed	None	Provide device setup access to AlexaFo...
AlexaForBusinessFullAccess	AWS managed	None	Grants full access to AlexaForBusiness ...
AlexaForBusinessGatewayExecution	AWS managed	None	Provide gateway execution access to A...
AlexaForBusinessLifesizeDelegatedAccess...	AWS managed	None	Provide access to Lifesize AVS devices
AlexaForBusinessNetworkProfileServicePo...	AWS managed	None	-
AlexaForBusinessPolyDelegatedAccessPolicy	AWS managed	None	Provide access to Poly AVS devices
AlexaForBusinessReadOnlyAccess	AWS managed	None	Provide read only access to AlexaForB...
AmazonAPIGatewayAdministrator	AWS managed	None	Provides full access to create/edit/dele...
AmazonAPIGatewayInvokeFullAccess	AWS managed	None	Provides full access to invoke APIs in A...
AmazonAPIGatewayPushToCloudWatchLogs	AWS managed	None	Allows API Gateway to push logs to us...
AmazonAppFlowFullAccess	AWS managed	None	Provides full access to Amazon AppFlow...
AmazonAppFlowReadOnlyAccess	AWS managed	None	Provides read only access to Amazon A...

Bottom Navigation:

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- Windows taskbar icons
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- 16:34 03-08-2024

Create policy | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#policies/create

AWS Services Search IAM

IAM > Policies > Create policy

Step 1: Specify permissions

Step 2: Review and create

Specify permissions

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

Policy editor

Visual JSON Actions

Select a service

Service: Choose a service

Filter services

Commonly used services: Auto Scaling, CloudFront, EC2, IAM, Lambda, RDS, S3, SNS

Other services: Access Analyzer, Account, Activate, Alexa for Business

Cancel Next

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Create policy | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#policies/create

AWS Services Search IAM

IAM > Policies > Create policy

Step 1: Specify permissions

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Specify permissions

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Select a service

Service: Choose a service

Filter services

Commonly used services: Auto Scaling, CloudFront, EC2, IAM, Lambda, RDS, S3, SNS

Other services: Access Analyzer, Account, Activate, Alexa for Business

Effect: Allow Deny

Actions allowed

Specify what actions can be performed on specific resources in S3.

Filter Actions

Manual actions | Add actions: All S3 actions (S3*)

Access level:

- List (Selected 15/15)
- Read (Selected 60/60)
- Write (Selected 57/57)
- Permissions management (Selected 15/15)
- Tagging (Selected 12/12)

Dependent permissions not selected.

To grant permissions for the selected resource actions, including additional dependent actions might be required.

- s3:CreateJob requires 1 more action.
- s3:PauseReplication requires 2 more actions.
- s3:PutReplicationConfiguration requires 1 more action.

Resources

Specify resource ARNs for these actions.

All Specific

accessgrant Info

Specified accessgrant resource ARN for the DeleteAccessGrant and 4 more actions. Add ARNs to restrict access.

accessgrantsinstance Info

Specified accessgrantsinstance resource ARN for the AssociateAccessGrantsIdentityCenter and 15 more actions. Add ARNs to restrict access.

Any in this account

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Create policy | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#policies/create

IAM Services Search IAM

Step 1 Specify permissions Step 2 Review and create

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

Policy Errors

- Specify resources for the selected actions.

Policy editor

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

Visual JSON Actions

Edit statement Admin_CC Remove

Add actions Choose a service Q Filter services

Included S3

Available AMP API Gateway API Gateway V2 ASC Access Analyzer Account

Add a resource Add

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Create policy | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#policies/create

IAM Services Search IAM

Step 1 Specify permissions Step 2 Review and create

Review and create Info Review the permissions, specify details, and tags.

Policy details

Policy name Enter a meaningful name to identify this policy.
Administrator

Description - optional Add a short explanation for this policy.
S3 added

Maximum 1,000 characters. Use alphanumeric and '+', '@', '-' characters.

Permissions defined in this policy Info Permissions defined in this policy document specify which actions are allowed or denied. To define permissions for an IAM identity (user, user group, or role), attach a policy to it.

Q Search Show remaining 419 services

Allow (1 of 420 services)

Service	Access level	Resource	Request condition
S3	Full access	All resources	None

Add tags - optional Info Tags are key-value pairs that you can add to AWS resources to help identify, organize, or search for resources.

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Policies | IAM | Global New Tab us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#policies

AWS Services IAM

Identity and Access Management (IAM)

Policy Administrator created.

IAM > Policies

Policies (1222) Info

A policy is an object in AWS that defines permissions.

Filter by Type

Policy name	Type	Used as	Description
AccessAnalyzerServiceRolePolicy	AWS managed	None	-
Administrator	Customer managed	None	S3 added
AdministratorAccess	AWS managed - job function	None	Provides full access to AWS services an...
AdministratorAccess-Amplify	AWS managed	None	Grants account administrative permis...
AdministratorAccess-AWSElasticBeanstalk	AWS managed	None	Grants account administrative permis...
AlexaForBusinessDeviceSetup	AWS managed	None	Provide device setup access to AlexaFo...
AlexaForBusinessFullAccess	AWS managed	None	Grants full access to AlexaForBusiness ...
AlexaForBusinessGatewayExecution	AWS managed	None	Provide gateway execution access to A...
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AlexaForBusinessPolyDelegatedAccessPolicy	AWS managed	None	Provide access to Poly AVS devices
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AmazonAPIGatewayAdministrator	AWS managed	None	Provides full access to create/edit/dele...
AmazonAPIGatewayInvokeFullAccess	AWS managed	None	Provides full access to invoke APIs in A...

CloudShell Feedback

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Users | IAM | Global New Tab us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#users

AWS Services IAM

Identity and Access Management (IAM)

Users (1) Info

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

Create user

User name	Path	Group	Last activity	MFA	Password age	Console last sign-in	Access key ID	Active key age
Admin_CC	/	0	12 minutes ago	-	23 minutes	August 03, 2024, 16:2...	-	-

CloudShell Feedback

Type here to search

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Add permissions | IAM | Global | New Tab | us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#users/details/Admin_CC/add-permissions

IAM Services Q IAM Add permissions Step 1 Add permissions Step 2 Review

Add 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, inline policies, and any existing permissions boundaries 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 (1224)

Filter by Type All types

Policy name	Type	Attached entities
AccessAnalyzerServiceRolePolicy	AWS managed	0
Administrator	Customer managed	0
Administrator/Access	AWS managed - job function	0
Administrator/Access-Amplify	AWS managed	0
Administrator/Access-AWSElasticBeanstalk	AWS managed	0
AlexaForBusinessDeviceSetup	AWS managed	0
AlexaForBusinessFullAccess	AWS managed	0
AlexaForBusinessGatewayExecution	AWS managed	0
AlexaForBusinessIotsizeDelegatedAccessPolicy	AWS managed	0

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Add permissions | IAM | Global | New Tab | us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#users/details/Admin_CC/add-permissions

IAM Services Q IAM Add permissions Step 1 Add permissions Step 2 Review

Administrator

Administrator Customer managed

AccessAnalyzerServiceRolePolicy AWS managed 0

Administrator/Access AWS managed - job function 0

Administrator/Access-Amplify AWS managed 0

Administrator/Access-AWSElasticBeanstalk AWS managed 0

AlexaForBusinessDeviceSetup AWS managed 0

AlexaForBusinessFullAccess AWS managed 0

AlexaForBusinessGatewayExecution AWS managed 0

AlexaForBusinessIotsizeDelegatedAccessPolicy AWS managed 0

AlexaForBusinessNetworkProfileServicePolicy AWS managed 0

AlexaForBusinessPolyDelegatedAccessPolicy AWS managed 0

AlexaForBusinessReadOnlyAccess AWS managed 0

AmazonAPIGatewayAdministrator AWS managed 0

AmazonAPIGatewayInvokeFullAccess AWS managed 0

AmazonAPIGatewayPushToCloudWatchLogs AWS managed 0

AmazonAppFlowFullAccess AWS managed 0

AmazonAppFlowReadOnlyAccess AWS managed 0

AmazonAppStreamFullAccess AWS managed 0

AmazonAppStreamPCAAccess AWS managed 0

AmazonAppStreamReadonlyAccess AWS managed 0

Cancel Next

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Admin_CC | IAM | Global

1 policy added

IAM > Users > Admin_CC

Admin_CC Info

Summary

ARN: arn:aws:iam::339713128065:user/Admin_CC

Console access: Enabled without MFA

Access key 1: Create access key

Created: August 03, 2024, 16:15 (UTC+05:30)

Last console sign-in: Never

Permissions Groups Tags Security credentials Access Advisor

Permissions policies (1)

Permissions are defined by policies attached to the user directly or through groups.

Filter by Type: All types

Policy name	Type	Attached via
Administrator	Customer managed	Directly

▶ Permissions boundary (not set)

▼ Generate policy based on CloudTrail events

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CloudShell Feedback

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Homepage | S3 | eu-north-1

eu-north-1.console.aws.amazon.com/s3/get-started?region=eu-north-1

aws Services Search [Alt+S]

Amazon S3

Storage

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

Create bucket

Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the [AWS Simple Monthly Calculator](#).

[View pricing details](#)

Resources

User guide

API reference

FAQs

Discussion forums

Introduction to Amazon S3

copy link

How it works

Introduction to Amazon S3

copy link

CloudShell Feedback

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S3 buckets | S3 | eu-north-1

eu-north-1.console.aws.amazon.com/s3/buckets?region=eu-north-1&bucketType=general

Services Search [Alt+S] Incognito Stockholm Admin_CC @ 3397-1312-8065 View details

Successfully created bucket "khushiaunty". To upload files and folders, or to configure additional bucket settings, choose View details.

Amazon S3 > Buckets

Account snapshot - updated every 24 hours All AWS Regions Storage lens provides visibility into storage usage and activity trends Learn more

General purpose buckets (1) Info All AWS Regions Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	IAM Access Analyzer	Creation date
khushiaunty	Europe (Stockholm) eu-north-1	View analyzer for eu-north-1	August 3, 2024, 16:41:52 (UTC+05:30)

Copy ARN Empty Delete Create bucket

View Storage Lens dashboard

https://eu-north-1.console.aws.amazon.com/s3/buckets/khushiaunty?region=eu-north-1&bucketType=general

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Type here to search ENG 10:41 03-08-2024

Users | IAM | Global AdminCC | IAM | Global New Tab

us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#users/details/AdminCC?section=permissions

Services Search [Alt+S] Incognito Global yegyamcc

Identity and Access Management (IAM)

Search IAM

ARN am:aws:iam::339713128065:user/AdminCC

Created August 03, 2024, 16:59 (UTC+05:30)

Console access Disabled

Last console sign-in -

Access key 1 Create access key

Permissions Groups Tags Security credentials Access Advisor

Permissions policies (0) Permissions are defined by policies attached to the user directly or through groups.

Filter by Type

Search Policy name Type Attached via

No resources to display

Add permissions Add permissions Create inline policy

Permissions boundary (not set)

Generate policy based on CloudTrail events You can generate a new policy based on the access activity for this user, then customize, create, and attach it to this role. AWS uses your CloudTrail events to identify the services and actions used and generate a policy. Learn more

Generate policy No requests to generate a policy in the past 7 days.

https://us-east-1.console.aws.amazon.com/iam/home?region=ap-south-1#users/details/AdminCC?add-permissions

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The screenshot shows the 'Review' step of the 'Add permissions' wizard. It displays the user details and a permissions summary. The user name is AdminCC, and there is one policy attached: 'admin_cc'. The policy is a 'Customer managed' permissions policy.

Name	Type	Used as
admin_cc	Customer managed	Permissions policy

Buttons at the bottom include 'Cancel', 'Previous', and 'Add permissions'.

The screenshot shows the IAM Dashboard. Key statistics are displayed: 0 User groups, 0 Users, 2 Roles, 0 Policies, and 0 Identity providers. The 'What's new' section lists recent updates:

- AWS IAM Access Analyzer now offers policy checks for public and critical resource access. 1 month ago
- AWS IAM Access Analyzer now offers recommendations to refine unused access. 1 month ago
- AWS Launches Console-based Bulk Policy Migration for Billing and Cost Management Console Access. 2 months ago
- IAM Roles Anywhere now supports modifying the mapping of certificate attributes. 4 months ago

Other sections include 'AWS Account' (Account ID: 891377146069, Account Alias: Create, Sign-in URL: https://891377146069.signin.aws.amazon.com/console), 'Quick Links' (My security credentials), 'Tools' (Policy simulator), and 'Additional information'.

Screenshot of the AWS IAM "Create user" wizard - Step 2: Set permissions.

The page title is "Set permissions". It shows three options:

- Add user to group** (selected): Adds user to an existing group or creates a new group. We recommend using groups to manage user permissions by job functions.
- Copy permissions**: Copies all group memberships, attached managed policies, and inline policies from an existing user.
- Attach policies directly**: Attaches 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.

A note below says: "Get started with groups" and "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." A "Create group" button is available.

At the bottom right are "Cancel", "Previous", and "Next" buttons. The "Next" button is highlighted in orange.

Cloud Computing Architecture | Inbox (7,490) - thabeshriya@... | Create user | IAM | Global | What Is Identity and Access Management? | New Tab

User "CC_PRAC_3" deleted.

IAM > Users > Create user

Specify user details

Step 1 Specify user details

Step 2 Set permissions

Step 3 Review and create

Step 4 Retrieve password

User details

User name: IAMUSER

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.

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 Feedback

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15:18 ENG 03-09-2024

Cloud Computing Architecture | Inbox (7,490) - thabeshriya@... | Create user | IAM | Global | What Is Identity and Access Management? | New Tab

User "CC_PRAC_3" deleted.

IAM > Users > Create user

Specify user details

Step 3 Review and create

Step 4 Retrieve password

User details

User name: IAMUSER

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.

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 Feedback

Type here to search

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15:18 ENG 03-09-2024

Screenshot of the AWS IAM 'Create user' wizard Step 2: Set permissions.

The page shows three options for granting permissions:

- Add user to group**: Adds the user to an existing group or creates a new one. It's recommended for managing user permissions by job function.
- Copy permissions**: Copies all group memberships, attached managed policies, and inline policies from an existing user.
- Attach policies directly**: Attaches a managed policy directly to a user. It's recommended attaching policies to a group instead, then adding the user to the appropriate group.

A 'Get started with groups' section provides instructions for creating a group and selecting policies to attach. A 'Create group' button is available.

Navigation buttons at the bottom include 'Cancel', 'Previous', and a large orange 'Next' button.

Screenshot of the AWS IAM 'Create user' wizard Step 3: Review and create.

The message 'User created successfully' is displayed, indicating the user has been created. A download dialog for 'IAMUSER_credentials.csv' is shown, containing the user's credentials.

The 'Console sign-in details' section displays the following information:

- Console sign-in URL: <https://891377146069.signin.aws.amazon.com/console>
- User name: IAMUSER
- Console password: (redacted)

Buttons at the bottom include 'Cancel', 'Download .csv file' (highlighted in blue), and 'Return to users list'.

Screenshot of the AWS IAM Policies page showing a list of 1221 policies.

Policies (1221) Info
A policy is an object in AWS that defines permissions.

Filter by Type: All types

Policy name	Type	Used as	Description
AccessAnalyzerServiceRolePolicy	AWS managed	None	-
AdministratorAccess	AWS managed - job function	None	Provides full access to AWS services an...
AdministratorAccess-Amplify	AWS managed	None	Grants account administrative permis...
AdministratorAccess-AWSElasticBeanstalk	AWS managed	None	Grants account administrative permis...
AlexaForBusinessDeviceSetup	AWS managed	None	Provide device setup access to AlexaFo...
AlexaForBusinessFullAccess	AWS managed	None	Grants full access to AlexaForBusiness ...
AlexaForBusinessGatewayExecution	AWS managed	None	Provide gateway execution access to A...
AlexaForBusinessLifesizeDelegatedAccess...	AWS managed	None	Provide access to Lifesize AVS devices
AlexaForBusinessNetworkProfileServicePo...	AWS managed	None	-
AlexaForBusinessPolyDelegatedAccessPolicy	AWS managed	None	Provide access to Poly AVS devices
AlexaForBusinessReadOnlyAccess	AWS managed	None	Provide read only access to AlexaForB...
AmazonAPIGatewayAdministrator	AWS managed	None	Provides full access to create/edit/delete...
AmazonAPIGatewayInvokeFullAccess	AWS managed	None	Provides full access to invoke APIs in A...
AmazonAPIGatewayPushToCloudWatchLogs	AWS managed	None	Allows API Gateway to push logs to us...
AmazonAppFlowFullAccess	AWS managed	None	Provides full access to Amazon AppFlo...
AmazonAppFlowReadOnlyAccess	AWS managed	None	Provides read only access to Amazon A...

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Screenshot of the AWS IAM 'Specify permissions' step of a new policy creation wizard.

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

Policy editor

53 Allow All actions

Specify what actions can be performed on specific resources in S3.

Actions allowed
Specify actions from the service to be allowed.
Effect: Allow (radio button selected)

Manual actions | Add actions: All S3 actions (s3:*)

Access level:
List (Selected 15/15)
Read (Selected 60/60)
Write (Selected 57/57)
Permissions management (Selected 15/15)
Tagging (Selected 12/12)

Dependent permissions not selected.
To grant permissions for the selected resource actions, including additional dependent actions might be required.

- s3:CreateJob requires 1 more action.
- s3:PauseReplication requires 2 more actions.
- s3:PutReplicationConfiguration requires 1 more action.

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Screenshot of the AWS IAM 'Create policy' wizard Step 1: 'Specify permissions'. The 'Actions' section is selected, showing 15 actions under 'List'. A warning box states: 'Dependent permissions not selected. To grant permissions for the selected resource actions, including additional dependent actions might be required.' It lists three actions requiring more: s3:CreateJob, s3:PauseReplication, and s3:PutReplicationConfiguration.

Screenshot of the AWS IAM 'Create policy' wizard Step 2: 'Review and create'. The 'Policy editor' shows a JSON document with one statement:

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

The right sidebar shows the policy structure: 'Edit statement IAMUSER', 'Add actions' (Choose a service), 'Included' (S3), 'Available' (AMP, API Gateway, API Gateway V2, ASC, Access Analyzer, Account), 'Add a resource' (Add), and 'Add a condition (optional)' (Add). The status bar indicates 6040 of 6144 characters remaining.

Screenshot of the AWS IAM 'Create policy' wizard - Step 1: Specify permissions.

Review and create

Policy details

Policy name: S5USER

Description - optional: Add a short explanation for this policy.

Permissions defined in this policy

Allow (1 of 420 services)

Service	Access level	Resource	Request condition
S3	Full access	All resources	None

Add tags - optional

Screenshot of the AWS IAM Policies page.

Policies (1222) info

A policy is an object in AWS that defines permissions.

Policy name	Type	Used as	Description
AdministratorAccess	AWS managed	None	Provides full access to AWS services and r...
AdministratorAccess-Amplify	AWS managed - job function	None	Grants account administrative permission...
AdministratorAccess-AWSLambdaBeanstalk	AWS managed	None	Grants account administrative permission...
AllowBusinessDeviceSetup	AWS managed	None	Provide device setup access to AllowBusiness...
AllowBusinessFullAccess	AWS managed	None	Grants full access to AllowBusiness res...
AllowBusinessGatewayExecution	AWS managed	None	Provide gateway execution access to AllowB...
AllowBusinessLambdaDelegatedAccessPolicy	AWS managed	None	Provide access to LambdaDelegatedAccessPo...
AllowBusinessNetworkTrafficServicePolicy	AWS managed	None	-
AllowBusinessPolyDelegatedAccessPolicy	AWS managed	None	Provide access to Poly AWS devices
AllowBusinessReadOnlyAccess	AWS managed	None	Provide read only access to AllowBusiness...
AmazonAPIGatewayAdministrator	AWS managed	None	Provides full access to create/edit/Delete ...
AmazonAPIGatewayInvokeFullAccess	AWS managed	None	Provides full access to invoke APIs in Amaz...
AmazonAPIGatewayPushToCloudWatchLogs	AWS managed	None	Allows API Gateway to push logs to user's ...
AmazonAppFlowFullAccess	AWS managed	None	Provides full access to Amazon Appflow a...
AmazonAppStreamFullAccess	AWS managed	None	Provides full access to Amazon AppStream...
AmazonAppStreamPCAccess	AWS managed	None	Amazon AppStream 2.0 access to AWS C...
AmazonAppStreamReadOnlyAccess	AWS managed	None	Provides read only access to Amazon App...
AmazonAppStreamServiceAccess	AWS managed	None	Default policy for Amazon AppStream ser...

Screenshot of the AWS IAM Policies page showing the search results for 'SUSER'. The search bar at the top contains 'SUSER'. The results table shows 13 matches:

Policy name	Type	Used as	Description
AmazonDMSReaderLambdaRole	AWS managed	None	Provides access to manage S3 settings for...
AmazonS3FullAccess	AWS managed	None	Provides full access to all buckets via the ...
AmazonSQSObjectLambdaExecutionRolePolicy	AWS managed	None	Provides AWS Lambda functions permis...
AmazonSQSOutputFullAccess	AWS managed	None	Provides full access to Amazon S3 on Out...
AmazonSQSReadOnlyAccess	AWS managed	None	Provides read only access to Amazon S3 ...
AmazonSS3ReadOnlyAccess	AWS managed	None	Provides read only access to all buckets in...
AWSServiceRoleForS3Backup	AWS managed	None	Policy containing permissions necessary f...
AWSServiceRoleForS3Restore	AWS managed	None	Policy containing permissions necessary f...
AWSLambdaOutpostsServiceRolePolicy	AWS managed	None	-
IVSRecorderRole	AWS managed	None	-
QuickSightAccessForSSStorageManagementAnalyticsReadOnly	AWS managed	None	Policy used by QuickSight team to access ...
S3StorageLambdaServiceRolePolicy	AWS managed	None	-
SUSER	Customer managed	None	-

Screenshot of the AWS IAM Add permissions page for user 'JAMUSER'.

Step 1: Add permissions

Step 2: Review

Permissions options:

- Add user to group
- Copy permissions
- Attach policies directly

Permissions policies (1/1223):

Policy name	Type	Attached entities
AmazonDMSReaderLambdaRole	AWS managed	0
AmazonS3FullAccess	AWS managed	0
AmazonSQSObjectLambdaExecutionRolePolicy	AWS managed	0
AmazonSQSOutputFullAccess	AWS managed	0
AmazonSQSReadOnlyAccess	AWS managed	0
AmazonSS3ReadOnlyAccess	AWS managed	0
AWSServiceRoleForS3Backup	AWS managed	0
AWSServiceRoleForS3Restore	AWS managed	0
AWSLambdaOutpostsServiceRolePolicy	AWS managed	0
IVSRecorderRole	AWS managed	0
QuickSightAccessForSSStorageManagementAnalyticsReadOnly	AWS managed	0
S3StorageLambdaServiceRolePolicy	AWS managed	0
SUSER	Customer managed	0

Screenshot of the AWS IAM 'Add permissions' step 2 review screen. The user 'IAMUSER' has been created. A single policy, 'SSUSER', is attached under 'Permissions summary'. The policy is customer-managed and has one action, 'Used in'.

Name	Type	Used in
SSUSER	Customer managed	Permissions policy

Buttons at the bottom include 'Cancel', 'Previous', and 'Add permissions'.

Screenshot of the AWS IAM 'IAMUSER' details page. The user has one policy attached: 'SSUSER'. The policy is customer-managed and has one action. The 'Permissions' tab is selected.

Policy name	Type	Attached via
SSUSER	AWS managed	Directly

The 'Permissions policies' section shows the attached policy 'SSUSER'.

Screenshot of the AWS IAM User Management console showing the 'Console password' modal open.

The main page displays:

- Identity and Access Management (IAM)**
- IAMUSER** (User)
- Summary** tab selected
- Console password** button highlighted
- Access keys** section (disabled)
- MFA** section (disabled)
- Access reports** section (disabled)
- Access history** section (disabled)
- Access requests** section (disabled)
- Access grants** section (disabled)
- Access approvals** section (disabled)
- Access notifications** section (disabled)
- Access reviews** section (disabled)
- Access reports** section (disabled)
- Access history** section (disabled)
- Access grants** section (disabled)
- Access approvals** section (disabled)
- Access notifications** section (disabled)
- Access reviews** section (disabled)

The modal window shows:

- Console password** title
- Success message:** "You have successfully enabled the user's new password." (with a green checkmark icon)
- Text:** "This is the only time you can view this password. After you close this window, if the password is lost, you must create a new one."
- Console sign-in URL:** <https://991377146069.signin.aws.amazon.com/console>
- User name:** IAMUSER
- Console password:** n!NQ4!_5 (displayed in blue)
- Buttons:** "Download .CSV file" and "Close"

At the bottom of the main page, there is a note: "No activity. No recent changes. Create a new IAM user or update existing IAM users to enable MFA and IAM access keys." followed by a "Create new user" button.