

## IAM USERS

The screenshot shows the 'Create user' wizard at Step 3: 'Review and create'. A red box highlights the error message: 'You don't have permission to iam>ListUsers. To request access, copy the following text and send it to your AWS administrator. Learn more about troubleshooting access denied errors.' Below the message, the user details are listed: User: amawsiam:654654478122:user/students/juliprebayo21@gmail.com, Action: iamListUsers, On resource(s): amawsiam:654654478122:user/, Context: no identity-based policy allows the action.

**User details**

**User name**  
userIamTab

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**  
In addition to console access, users with SigninLocalDevelopmentAccess permissions can use the same console credentials for programmatic access without the need for access keys.

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](#)

The screenshot shows the 'Create user' wizard at Step 2: 'Set permissions'. A red box highlights the 'Set permissions' tab. The 'Permissions options' section contains three radio button choices: 'Add user to group' (selected), 'Copy permissions', and 'Attach policies directly'. Below this is a table titled 'User groups (1)'. It shows one group named 'Students-IAM' created on 2024-09-18 (1 year ago). The group has attached policies: 'AmazonSQSFullAccess' and 'IAMFullAccess'.

**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.

**User groups (1)**

Group name	Attached policies	Created
Students-IAM	AmazonSQSFullAccess, IAMFullAccess	2024-09-18 (1 year ago)

The screenshot shows the 'Review and create' step of the AWS IAM 'Create user' wizard. It displays the user details and permissions summary.

**User details:**

- User name: laboratorio-iam-julianparra
- Console password type: None
- Require password reset: No

**Permissions summary:**

Name	Type	Used as
IAMFullAccess	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.

The screenshot shows the 'Multi-factor authentication (MFA)' section of the AWS IAM 'Users' page for the user 'juliprobayo21@gmail.com'.

**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.

**Multi-factor authentication (MFA) (1)**

Type	Identifier	Certifications	Created on
Virtual	arn:aws:iam::654654478122:mfa/Laboratorio-Betek-JulianParra01	Not Applicable	Thu Feb 19 2026

**Access keys (0)**

Create access key

Screenshot of the AWS IAM console showing a user named "juliprobayo21@gmail.com". A red error message box at the top states: "Console access was not updated. User arnawsiam:654654478122:user/students/juliprobayo21@gmail.com is not authorized to perform: iamUpdateLoginProfile on resource: user juliprobayo21@gmail.com because no identity-based policy allows the iam:UpdateLoginProfile action".

The "Security credentials" tab is selected in the "Permissions" section. The "Access key 1" section shows one access key created on January 30, 2026, with a "Create access key" button.

Screenshot of the AWS IAM console showing the "Create access key" wizard. Step 1: "Access key best practices & alternatives" is selected. It lists three options: "Set description tag", "Step 2 - optional", and "Step 3: Retrieve access keys".

Step 2: "Use case" section lists four options: "Command Line Interface (CLI)", "Local code", "Application running on an AWS compute service", and "Third-party service".

A note at the top of the page says: "Avoid using long-term credentials like access keys to improve your security. Consider the following use cases and alternatives."

Create access key | IAM | Global

IAM: Autenticación multifactor

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/users/details/juliprobayo21@gmail.com/create-access-key

Account ID: 6546-5447-8122 juliprobayo21@gmail.com

IAM > Users > juliprobayo21@gmail.com > Create access key

You need permissions

User arn:aws:iam::654654478122:user/students/juliprobayo21@gmail.com is not authorized to perform: iam:CreateAccessKey on resource: user juliprobayo21@gmail.com because no identity-based policy allows the iam:CreateAccessKey action

Diagnose with Amazon Q

Step 1: Access key best practices & alternatives

Step 2 - optional: Set description tag

Step 3: Retrieve access keys

**Retrieve access keys**

**Access key**

If you lose or forget your secret access key, you cannot retrieve it. Instead, create a new access key and make the old key inactive.

Access key | Secret access key

No resources

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8:55 p.m. 19/02/2026

Create policy | IAM | Global

IAM: Autenticación multifactor

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/users/details/juliprobayo21@gmail.com/createPolicy?step=addPermissions

Account ID: 6546-5447-8122 juliprobayo21@gmail.com

IAM > Users > juliprobayo21@gmail.com > 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**

Specify what actions can be performed on specific resources in a service.

+ Add more permissions

Cancel Next

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8:59 p.m. 19/02/2026

Screenshot of the AWS IAM 'Create policy' page.

The page title is 'Create policy | IAM | Global'. The URL is 'us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/users/details/juliprobayo21@gmail.com/createPolicy?step=addPermissions'.

The main content area is titled 'Specify what actions can be performed on specific resources in S3.' and 'Actions allowed'.

Under 'Actions allowed', there is a search bar 'Filter Actions' and a radio button 'Effect' set to 'Allow'.

Under 'Manual actions | Add actions', there is a checkbox 'All S3 actions (S3\*)'.

Under 'Access Level', there is a link 'List (16)' which is expanded, showing 16 different S3 actions:

- ListAccessGrants | Info
- ListAccessPoints | Info
- ListBucket | Info
- ListCallerAccessGrants | Info
- ListMultiRegionAccessPoints | Info
- ListTagsForResource | Info
- ListAccessGrantsInstances | Info
- ListAccessPointsForObjectLambda | Info
- ListBucketMultipartUploads | Info
- ListJobs | Info
- ListStorageLensConfigurations | Info
- ListAccessGrantsLocations | Info
- ListAllMyBuckets | Info
- ListBucketVersions | Info
- ListMultipartUploadParts | Info
- ListStorageLensGroups | Info

Links 'Expand all | Collapse all' are located at the top right of the list.

The bottom of the page includes standard AWS navigation links like CloudShell, Feedback, Console Mobile App, and a search bar.

Screenshot of the AWS IAM 'Permissions policies' page.

The page title is 'Juliprobayo21@gmail.com | IAM'. The URL is 'us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/users/details/juliprobayo21@gmail.com?section=permissions'.

The left sidebar shows the 'Identity and Access Management (IAM)' menu with 'Users' selected.

The main content area is titled 'Permissions policies (5)'. It lists five policies:

Policy name	Type	Attached via
AmazonEBSCTDriverPolicy	AWS managed	Directly
iam-self-change-password	Customer managed	Directly
iam-self-mfa-policy	Customer managed	Directly
students-ebs-policy	Customer managed	Directly
students-s3-policy	Customer managed	Directly

Below the table, there is a section titled 'Permissions boundary (not set)'.

The bottom of the page includes standard AWS navigation links like CloudShell, Feedback, Console Mobile App, and a search bar.

Screenshot of the AWS IAM 'Create role' wizard, Step 2: Add permissions.

The left sidebar shows the steps:

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

The main area is titled "Add permissions" and displays a list of "Permissions policies (1154)".

**Permissions policies (1154)**

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

Filter by Type

Policy name	Type	Description
AccountManagementFromVercel	AWS managed	For use with accounts created through ...
AdministratorAccess	AWS managed - job function	Provides full access to AWS services an...
AdministratorAccess-Amplify	AWS managed	Grants account administrative permis...
AdministratorAccess-AWSElastic...	AWS managed	Grants account administrative permis...
AIOpsAssistantIncidentReportP...	AWS managed	Provides permissions required by the A...
AmazonDynamoDBFullAccess	AWS managed	Provides full access to Amazon DynamoDB...

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Screenshot of the AWS KMS 'Create key' wizard, Step 1: Configure key.

The left sidebar shows the steps:

- Step 1: Configure key**
- Step 2: Add labels
- Step 3 - optional: Define key administrative permissions
- Step 4 - optional: Define key usage permissions
- Step 5 - optional: Edit key policy
- Step 6: Review

The main area is titled "Configure key".

**Key type** Help me choose

**Symmetric**  
A single key used for encrypting and decrypting data or generating and verifying HMAC codes

**Asymmetric**  
A public and private key pair used for encrypting and decrypting data, signing and verifying messages, or deriving shared secrets

**Key usage** Help me choose

**Encrypt and decrypt**  
Use the key only to encrypt and decrypt data.

**Generate and verify MAC**  
Use the key only to generate and verify hash-based message authentication codes (HMAC).

**Advanced options**

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Screenshot of the AWS KMS console showing Step 3: Define key administrative permissions. The left sidebar shows steps 1 through 6. Step 3 is selected: "Define key administrative permissions". The main content area displays a table titled "Key administrators (89)" with columns for Name, Path, and Type. The table lists eight IAM users under the "/students/" path, all categorized as "User".

Name	Path	Type
a.andres1538@gmail.com	/students/	User
alemova.1603@gmail.com	/students/	User
andrea3578@hotmail.com	/students/	User
andresortizbedoya20@gmail.com	/students/	User
anggonpad@gmail.com	/students/	User
andrea1538@gmail.com	/students/	User
alemova.1603@gmail.com	/students/	User

Screenshot of the AWS KMS console showing Step 5: Edit key policy. The left sidebar shows steps 1 through 6. Step 5 is selected: "Edit key policy". The main content area displays the JSON code for the key policy:

```
1 {
2   "Id": "key-consolepolicy-3",
3   "Version": "2012-10-17",
4   "Statement": [
5     {
6       "Sid": "Enable IAM User Permissions",
7       "Effect": "Allow",
8       "Principal": {
9         "AWS": "arn:aws:iam::654654478122:root"
10      },
11      "Action": "kms:*",
12      "Resource": "*"
13    },
14    {
15      "Sid": "Allow access for Key Administrators",
16      "Effect": "Allow",
17      "Principal": "arn:aws:iam::654654478122:root"
18    }
19  ]
20 }
```

Screenshot of the AWS KMS console showing the "Create key" wizard, Step 6: Review.

The sidebar shows the following steps:

- Step 2: Add labels
- Step 3 - optional: Define key administrative permissions
- Step 4 - optional: Define key usage permissions
- Step 5 - optional: Edit key policy
- Step 6: Review (highlighted)

**Key configuration**

<b>Key type</b> Symmetric	<b>Key spec</b> SYMMETRIC_DEFAULT	<b>Key usage</b> Encrypt and decrypt
<b>Origin</b> AWS KMS	<b>Regionality</b> Single-Region key	

**Info message:** You cannot change the key configuration after the key is created.

**Alias and description**

<b>Alias</b> app-prod-key	<b>Description</b> julianparra
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**Tags**

Search bar: Escribe aquí para buscar.

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