

## 1-) Create aws account and set billing alarm

The screenshot shows the AWS Billing Management console. A green notification banner at the top states: "Your budget My Zero-Spend Budget has been created successfully. After creating a budget, it can take up to 24 hours to populate all of your spend data." Below this, the "Overview" page for the budget is displayed. It includes a "Download CSV" button, an "Actions" dropdown, and a "Create budget" button. A search bar labeled "Find a budget" is present. The main table lists the budget details:

	Name	Thresholds	Budget	Amount ...	Forecast...	Current vs. b
<input type="checkbox"/>	My Zero-Spend Budget	OK	\$1.00	\$0.00	-	

The left sidebar contains navigation links for Home, Billing, Bills, Payments, Credits, Purchase orders, Cost & usage reports, Cost categories, Cost allocation tags, Free tier, Billing Conductor, Cost Management, Cost explorer, Budgets (highlighted), Budgets reports, Savings Plans, and Preferences. The bottom of the console shows the footer with "CloudShell", "Feedback", "Language", and copyright information for Amazon Web Services, Inc. or its affiliates.

- Create 2 groups one admin and one for development
- In the admin group it has admin permission, and in the development only access to s3

The screenshot shows the AWS IAM Management console. The "User groups" page is displayed, showing a list of two user groups: "Admin" and "Development". The "Admin" group has 2 users and the "Development" group has 1 user. Both groups are in a "Loading" state for permissions and were created 2 hours ago. The left sidebar contains navigation links 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 bottom of the console shows the footer with the URL "https://us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/groups", copyright information for Amazon Web Services, Inc. or its affiliates, and links for Privacy, Terms, and Cookie preferences.

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

Users groups

Users

Roles

Policies

Identity providers

Account settings

Access reports

Access analyzer

Archive rules

Analizers

Settings

IAM > Users

Users (3) Info

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

Find users by username or access key

	User name	Groups	Last activity	MFA	Password age
<input type="checkbox"/>	Admin-1	Admin	1 hour ago	Virtual	1 hour ago
<input type="checkbox"/>	Admin2-Prog	Admin	22 minutes ago	None	None
<input type="checkbox"/>	Dev-User	Development	20 minutes ago	None	39 minutes ago

https://us-east-1.console.aws.amazon.com/iamv2/home?region=eu-north-1#/users

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Admin

Summary

User group name

Admin

Creation time

May 31, 2023, 16:07 (UTC+03:00)

ARN

arn:aws:iam::721015883085:group/Admin

Users

Permissions

Access Advisor

Permissions policies (1) Info

You can attach up to 10 managed policies.

Filter policies by property or policy name and press enter.

	Policy name	Type	Description
<input type="checkbox"/>	AdministratorAccess	AWS managed - job function	Provides full access to AWS services and resources.

CloudShell Feedback Language

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Identity and Access Management (IAM)

Development

Summary

User group name: Development

Creation time: May 31, 2023, 16:07 (UTC+03:00)

ARN: arn:aws:iam::721015883085:group/Development

Permissions policies (1)

Policy name: EC2-S3

Type: Customer managed

EC2 Dashboard

Resources

Instances (running): 0

Auto Scaling Groups: API Error

Elastic IPs: API Error

Key pairs: API Error

Load balancers: API Error

Placement groups: API Error

Security groups: API Error

Snapshots: API Error

Volumes: API Error

Account attributes

Supported platforms

Settings

Additional information

Browser tabs: IAM Management Console x IAM Management Console x S3 Management Console x

Address bar: <https://s3.console.aws.amazon.com/s3/get-started?region=eu-north-1>

Header: AWS Services Search [Alt+S] Global Dev-User @ 7210-1588-3085

# Storage

## Amazon S3

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](#)

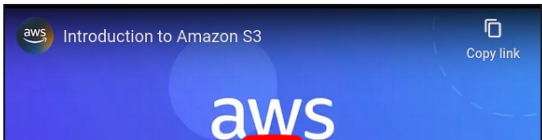
### Pricing

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](#)

### How it works



Introduction to Amazon S3

[Copy link](#)

CloudShell Feedback Language

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```
younis@younis-HP-ProBook-450-G2: ~  
younis@younis-HP-ProBook-450-G2:~$ aws configure  
AWS Access Key ID [None]:   
AWS Secret Access Key [None]:   
Default region name [None]:   
Default output format [None]:   
younis@younis-HP-ProBook-450-G2:~$ aws iam list-users  
{  
  "Users": [  
    {  
      "Path": "/",  
      "UserName": "Admin-1",  
      "UserId": "AIDA2PX7FIVGV846YXJ2S",  
      "Arn": "arn:aws:iam::721015883085:user/Admin-1",  
      "CreateDate": "2023-05-31T13:37:19Z",  
      "PasswordLastUsed": "2023-05-31T13:50:41Z"  
    },  
    {  
      "Path": "/",  
      "UserName": "Admin2-Prod",  
      "UserId": "AIDA2PX7FIVGV0TFOIAU",  
      "Arn": "arn:aws:iam::721015883085:user/Admin2-Prod",  
      "CreateDate": "2023-05-31T13:53:58Z"  
    },  
    {  
      "Path": "/",  
      "UserName": "Dev-User",  
      "UserId": "AIDA2PX7FIVG3YX4PQVUO",  
      "Arn": "arn:aws:iam::721015883085:user/Dev-User",  
      "CreateDate": "2023-05-31T14:25:07Z",  
      "PasswordLastUsed": "2023-05-31T14:29:12Z"  
    }  
  ]  
}
```

```
younis@younis-HP-ProBook-450-G2: ~  
younis@younis-HP-ProBook-450-G2:~$ aws iam list-groups  
{  
  "Groups": [  
    {  
      "Path": "/",  
      "GroupName": "Admin",  
      "GroupId": "AGPA2PX7FIVGZRG3U75QD",  
      "Arn": "arn:aws:iam::721015883085:group/Admin",  
      "CreateDate": "2023-05-31T13:07:00Z"  
    },  
    {  
      "Path": "/",  
      "GroupName": "Development",  
      "GroupId": "AGPA2PX7FIVG2KKMFTV5G",  
      "Arn": "arn:aws:iam::721015883085:group/Development",  
      "CreateDate": "2023-05-31T13:07:48Z"  
    }  
  ]  
}
```

```
younis@younis-HP-ProBook-450-G2: ~  
younis@younis-HP-ProBook-450-G2:~$ aws configure  
AWS Access Key ID [*****G2FA]: AKIA2PX7FIVG4J3VPRBU  
AWS Secret Access Key [*****3sgw]: 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  
Default region name [None]:  
Default output format [None]:  
younis@younis-HP-ProBook-450-G2:~$ aws iam list-users  
  
An error occurred (AccessDenied) when calling the ListUsers operation: User: arn:aws:iam::721015883085:user/Dev-User is not authorized to perform: iam:ListUsers on resource: arn:aws:iam::721015883085:user/ because no identity-based policy allows the iam:ListUsers action  
younis@younis-HP-ProBook-450-G2:~$ aws iam list-groups  
  
An error occurred (AccessDenied) when calling the ListGroups operation: User: arn:aws:iam::721015883085:user/Dev-User is not authorized to perform: iam:ListGroups on resource: arn:aws:iam::721015883085:group/ because no identity-based policy allows the iam:ListGroups action  
younis@younis-HP-ProBook-450-G2:~$
```