

Virtual Systems and Services

Introduction to AWS IAM

LAB # 01

Name : Usama Basharat

Roll no : BITF20M528

Lab 01:

The screenshot shows a web browser window with the title "Workbench - Vocareum". The URL is "labs.vocareum.com/main/main.php?m=clabide&mode=s&asnid=2610312&stepid=2610313&hideNavBar=1". The page content is titled "Lab 1: Introduction to AWS IAM". It contains a brief introduction to AWS Identity and Access Management (IAM), stating it is a web service that enables Amazon Web Services (AWS) customers to manage users and user permissions in AWS. It highlights features like managing users, security credentials, and permissions. Below this is a section titled "Lab overview and objectives" with a note that the lab will demonstrate how to use IAM. A diagram illustrates the IAM hierarchy, showing an "Account" at the top, which branches into "Users" (with three light blue boxes labeled "user-1", "user-2", and "user-3") and "Groups" (with three dark blue boxes labeled "EC2-Admin", "EC2-Support", and "S3-Support").

The screenshot shows the AWS Console Home page with the URL "us-east-1.console.aws.amazon.com/console/home?region=us-east-1#". The search bar at the top has "IAM" typed into it. The left sidebar shows recent services and a navigation menu. The main content area displays search results for "IAM". The "Services" section lists "IAM" as the top result, described as "Manage access to AWS resources". Other listed services include "IAM Identity Center", "Resource Access Manager", and "AWS App Mesh". The "Features" section also lists "IAM" under "See all 11 results". The right side of the screen shows a sidebar with "Add widgets" and other account-related options.

Screenshot of the AWS IAM Global Dashboard:

The dashboard shows the following statistics:

User groups	Users	Roles	Policies	Identity providers
3	4	14	1	0

The "What's new" section highlights:

- IAM Access Analyzer now simplifies inspecting unused access to guide you toward least privilege. 2 months ago
- IAM Access Analyzer introduces custom policy checks powered by automated reasoning.

AWS Account details:

- Account ID: 851725500227
- Account Alias: Create
- Sign-in URL: https://851725500227.signin.aws.amazon.com/console

Tools available:

- Policy simulator

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Screenshot of the AWS IAM Global Users page:

The page displays 4 IAM users:

User name	Path	Group	Last activity	MFA	Password age
awsstudent	/	Access denied	Access denied	Access denied	Access denied
user-1	/spl66/	0	-	-	7 minutes
user-2	/spl66/	0	-	-	7 minutes
user-3	/spl66/	0	-	-	7 minutes

Buttons: Delete, Create user

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Workbench - Vocareum user-1 | IAM | Global

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

Identity and Access Management (IAM)

user-1

Summary

ARN arn:aws:iam::851725500227:user/spl66/ user-1	Console access Enabled without MFA	Access key 1 AKIA4MTWLX5BUW2A36PQ - Active Never used. Created today.
Created February 07, 2024, 10:46 (UTC+05:00)	Last console sign-in Never	Access key 2 Create access key

Permissions **Groups** **Tags (1)** **Security credentials** **Access Advisor**

Permissions policies (0)

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

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Workbench - Vocareum user-1 | IAM | Global

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

Identity and Access Management (IAM)

Permissions **Groups** **Tags (1)** **Security credentials** **Access Advisor**

Permissions policies (0)

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

Filter by Type

Search	All types
--------	-----------

Policy name □ Type Attached via □

No resources to display

▶ Permissions boundary (not set)

▼ Generate policy based on CloudTrail events

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Workbench - Vocareum

user-1 | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/users/details/user-1?section=groups

aws Services Search [Alt+S] Global v voclabs/user3046381=bitf20m528@pucl.edu.pk @ 8517-2550-0227

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

CloudShell Feedback

ARN arn:aws:iam::851725500227:user/spl66/user-1

Created February 07, 2024, 10:46 (UTC+05:00)

Console access **Enabled without MFA**

Last console sign-in **Never**

Access key 1 AKIA4MTWLX5BUW2A36PQ - Active
Never used. Created today.

Access key 2 Create access key

Permissions Groups Tags (1) Security credentials Access Advisor

User groups membership (0)

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users. A user can be a member of up to 10 groups at a time.

Group name	Attached policies
No resources	This user does not belong to any groups.

Remove Add user to groups

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Workbench - Vocareum

user-1 | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/users/details/user-1?section=security_credentials

aws Services Search [Alt+S] Global v voclabs/user3046381=bitf20m528@pucl.edu.pk @ 8517-2550-0227

Identity and Access Management (IAM)

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CloudShell Feedback

ARN arn:aws:iam::851725500227:user/spl66/user-1

Created February 07, 2024, 10:46 (UTC+05:00)

Console access **Enabled without MFA**

Last console sign-in **Never**

Access key 1 AKIA4MTWLX5BUW2A36PQ - Active
Never used. Created today.

Access key 2 Create access key

Permissions Groups Tags (1) **Security credentials** Access Advisor

Console sign-in

Console sign-in link <https://851725500227.signin.aws.amazon.com/console>

Console password Updated 7 minutes ago (2024-02-07 10:47 GMT+5)

Last console sign-in **Never**

Manage console access

Multi-factor authentication (MFA) (0)

Remove Resync Assign MFA device

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Workbench - Vocareum

User groups | IAM | Global

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

Identity and Access Management (IAM)

Search IAM

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CloudShell Feedback

IAM > User groups

User groups (3) Info

A user group is a collection of IAM users. Use groups to specify permissions for a collection of users.

Group name	Users	Permissions	Creation time
EC2-Admin	0	Defined	8 minutes ago
EC2-Support	0	Defined	8 minutes ago
S3-Support	0	Defined	8 minutes ago

Search

Global

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Workbench - Vocareum

EC2-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Support?section=users

Identity and Access Management (IAM)

Search IAM

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CloudShell Feedback

IAM > User groups > EC2-Support

EC2-Support Info

Delete

Summary

Edit

User group name	EC2-Support	Creation time	February 07, 2024, 10:47 (UTC+05:00)
ARN	arn:aws:iam::851725500227:group/spl66/EC2-Support		

Users Permissions Access Advisor

Users in this group (0)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

Global

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Workbench - Vocareum

EC2-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Support?section=permissions

aws Services Search [Alt+S] Global v vocabs/user3046381=bitf20m528@pucit.edu.pk @ 8517-2550-0227

Identity and Access Management (IAM)

Search IAM

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External access

CloudShell Feedback

Summary

User group name: EC2-Support Creation time: February 07, 2024, 10:47 (UTC+05:00) ARN: arn:aws:iam::851725500227:group/spl66/EC2-Support

Users Permissions Access Advisor

Permissions policies (1) Info

You can attach up to 10 managed policies.

Filter by Type: All types

Policy name	Type	Attached entities
AmazonEC2ReadOnlyAccess	AWS managed	1

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Workbench - Vocareum

EC2-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Support?section=permissions

aws Services Search [Alt+S] Global v vocabs/user3046381=bitf20m528@pucit.edu.pk @ 8517-2550-0227

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CloudShell Feedback

AmazonEC2ReadOnlyAccess

Provides read only access to Amazon EC2 via the AWS Management Console.

Copy JSON

```
1 [ { "Version": "2012-10-17", "Statement": [ { "Effect": "Allow", "Action": "ec2:Describe*", "Resource": "*" }, { "Effect": "Allow", "Action": "elasticloadbalancing:Describe*", "Resource": "*" }, { "Effect": "Allow", "Action": [ "cloudwatch:ListMetrics", "cloudwatch:GetMetricStatistics", "cloudwatch:Describe*" ] } ] }
```

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S3-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/S3-Support?section=users

Identity and Access Management (IAM)

S3-Support

Summary

User group name: S3-Support

Creation time: February 07, 2024, 10:47 (UTC+05:00)

ARN: arn:aws:iam::851725500227:group/spl66/S3-Support

Users Permissions Access Advisor

Users in this group (0)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

CloudShell Feedback

S3-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/S3-Support?section=users

Identity and Access Management (IAM)

S3-Support

Summary

User group name: S3-Support

Creation time: February 07, 2024, 10:47 (UTC+05:00)

ARN: arn:aws:iam::851725500227:group/spl66/S3-Support

Users Permissions Access Advisor

Users in this group (0)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

User name ▾ Groups Last activity Creation time

No resources to display

CloudShell Feedback

S3-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/S3-Support?section=permissions

Identity and Access Management (IAM)

User group name: S3-Support

Creation time: February 07, 2024, 10:47 (UTC+05:00)

ARN: arn:aws:iam::851725500227:group/spl66/S3-Support

Permissions

Permissions policies (1) Info

You can attach up to 10 managed policies.

Filter by Type

Policy name: AmazonS3ReadOnlyAccess

Type: AWS managed

Attached entities: 1

CloudShell Feedback

S3-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/S3-Support?section=permissions

Identity and Access Management (IAM)

AmazonS3ReadOnlyAccess

Provides read only access to all buckets via the AWS Management Console.

Copy JSON

```
1 [{"Version": "2012-10-17", "Statement": [{"Effect": "Allow", "Action": ["s3:Get*", "s3>List*", "s3:Describe*", "s3-object-lambda:Get*", "s3-object-lambda>List*"], "Resource": "*"}]}
```

CloudShell Feedback

Workbench - Vocareum

EC2-Admin | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Admin?section=users

aws Services Search [Alt+S] Global v vocabs/user3046381=bitf20m528@pucit.edu.pk @ 8517-2550-0227

Identity and Access Management (IAM)

Search IAM

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CloudShell Feedback

IAM > User groups > EC2-Admin

EC2-Admin Info

Delete Edit

Summary

User group name	Creation time	ARN
EC2-Admin	February 07, 2024, 10:47 (UTC+05:00)	arn:aws:iam::851725500227:group/spl66/EC2-Admin

Users Permissions Access Advisor

Users in this group (0)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

C Remove Add users

Search

< 1 > Filter

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EC2-Admin | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Admin?section=users

aws Services Search [Alt+S] Global v vocabs/user3046381=bitf20m528@pucit.edu.pk @ 8517-2550-0227

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CloudShell Feedback

IAM > User groups > EC2-Admin

EC2-Admin

Edit

Summary

User group name	Creation time	ARN
EC2-Admin	February 07, 2024, 10:47 (UTC+05:00)	arn:aws:iam::851725500227:group/spl66/EC2-Admin

Users Permissions Access Advisor

Users in this group (0)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

C Remove Add users

Search

< 1 > Filter

User name	Groups	Last activity	Creation time
No resources to display			

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Workbench - Vocareum

EC2-Admin | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Admin?section=permissions

aws Services Search [Alt+S] Global voclabs/user3046381=bitf20m528@pucit.edu.pk @ 8517-2550-0227

Identity and Access Management (IAM)

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CloudShell Feedback

Summary

User group name	Creation time	ARN
EC2-Admin	February 07, 2024, 10:47 (UTC+05:00)	arn:aws:iam::851725500227:group/spl66/EC2-Admin

Users Permissions Access Advisor

Permissions policies (1) Info

You can attach up to 10 managed policies.

Filter by Type

Policy name	Type	Attached entities
EC2-Admin-Policy	Customer inline	0

CloudShell Feedback

Workbench - Vocareum

EC2-Admin | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Admin?section=permissions

aws Services Search [Alt+S] Global voclabs/user3046381=bitf20m528@pucit.edu.pk @ 8517-2550-0227

Identity and Access Management (IAM)

Search IAM

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CloudShell Feedback

EC2-Admin-Policy

```
1 [ { "Version": "2012-10-17", "Statement": [ 2 { "Action": [ "ec2:Describe*", "ec2:StartInstances", "ec2:StopInstances" ], "Resource": [ "*" ], "Effect": "Allow" } ] }
```

Copy JSON Edit

CloudShell Feedback

Workbench - Vocareum

Add users | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/S3-Support/add-users

IAM > User groups > S3-Support > Add users

Add users to S3-Support Info

Other users in this account (1/4)

User name	Groups	Last activity	Creation time
awsstudent	0	None	12 minutes ago
user-1	0	None	13 minutes ago
user-2	0	None	13 minutes ago
user-3	0	None	13 minutes ago

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Workbench - Vocareum

S3-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/S3-Support?section=users

Identity and Access Management (IAM)

Search IAM

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1 user added to this group.

S3-Support Info

Summary

User group name	Creation time	ARN
S3-Support	February 07, 2024, 10:47 (UTC+05:00)	arn:aws:iam::851725500227:group/spl66/S3-Support

Users in this group (1)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

User name	Action
user-1	<input type="button" value="Remove"/> <input type="button" value="Add users"/>

Workbench - Vocareum

Add users | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Support/add-users

IAM > User groups > EC2-Support > Add users

Add users to EC2-Support Info

Other users in this account (1/4)

User name	Groups	Last activity	Creation time
awsstudent	0	None	13 minutes ago
user-1	1	None	14 minutes ago
<input checked="" type="checkbox"/> user-2	0	None	14 minutes ago
<input type="checkbox"/> user-3	0	None	14 minutes ago

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Workbench - Vocareum

EC2-Support | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Support?section=users

Identity and Access Management (IAM)

Search IAM

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User groups (1)

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EC2-Support Info

1 user added to this group.

Summary

User group name	Creation time	ARN
EC2-Support	February 07, 2024, 10:47 (UTC+05:00)	arn:aws:iam::851725500227:group/spl6/EC2-Support

Users (1) Permissions Access Advisor

Users in this group (1)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

User name	Action
<input type="checkbox"/> user-2	<input type="button" value="Remove"/> <input type="button" value="Add users"/>

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Workbench - Vocareum

EC2-Admin | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Admin?section=users

aws Services Search [Alt+S] Global v vocabs/user3046381=bitf20m528@pucit.edu.pk @ 8517-2550-0227

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CloudShell Feedback

1 user added to this group.

EC2-Admin [Info](#)

Summary [Edit](#)

User group name: EC2-Admin Creation time: February 07, 2024, 10:47 (UTC+05:00) ARN: arn:aws:iam::851725500227:group/spl66/EC2-Admin

Users (1) Permissions Access Advisor

Users in this group (1)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

C Remove Add users

< 1 > ⚙

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Workbench - Vocareum

EC2-Admin | IAM | Global

us-east-1.console.aws.amazon.com/iam/home?region=us-east-1#/groups/details/EC2-Admin?section=users

aws Services Search [Alt+S] Global v vocabs/user3046381=bitf20m528@pucit.edu.pk @ 8517-2550-0227

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Summary [Edit](#)

User group name: EC2-Admin Creation time: February 07, 2024, 10:47 (UTC+05:00) ARN: arn:aws:iam::851725500227:group/spl66/EC2-Admin

Users (1) Permissions Access Advisor

Users in this group (1)

An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.

Search

C Remove Add users

< 1 > ⚙

User name	Groups	Last activity	Creation time
user-3	1	None	15 minutes ago

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Amazon Web Services Sign In

Sign in as IAM user

Account ID (12 digits) or account alias
851725500227

IAM user name
|

Password

Remember this account

Sign in

[Sign in using root user email](#)

[Forgot password?](#)

CATEGORY

AI Use Case Explorer

Discover AI use cases, customer success stories, and expert-curated implementation plans.

[Explore now >](#)



Console Home | Console

ap-southeast-2.console.aws.amazon.com/console/home?region=ap-southeast-2#

aws Services Search [Alt+S] Sydney user-1 @ 8517-2550-0227

Console Home

Recently visited



No recently visited services

Explore one of these commonly visited AWS services.

[EC2](#) [S3](#) [RDS](#) [Lambda](#)

[View all services](#)

Applications (0)

Create application

Region: Asia Pacific (Sydney)

ap-southeast-2 (Current Region) Find applications

Name	Description	Region	Originating a...
Access denied			

[Go to myApplications](#)

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Console Home | Console

ap-southeast-2.console.aws.amazon.com/console/home?region=ap-southeast-2#

S3

Search results for 's3'

Services (8)

Recent Services

Features (32)

Loading

S3 ☆ Scalable Storage in the Cloud

S3 Glacier ☆ Archive Storage in the Cloud

AWS Snow Family ☆ Large Scale Data Transport

Storage Gateway ☆ Hybrid Storage Integration

See all 8 results ▶

See all 32 results ▶

+ Add widgets

Create application

Originating a...

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S3 buckets | S3 | Global

s3.console.aws.amazon.com/s3/home?region=ap-southeast-2#

Amazon S3

Buckets

Access Grants

Access Points

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

Storage Lens groups

AWS Organizations settings

Search [Alt+S]

View Storage Lens dashboard

Account snapshot

Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

General purpose buckets Directory buckets

General purpose buckets (1) [Info](#)

Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

Name AWS Region Access Creation date

Name	AWS Region	Access	Creation date
samplebucket--44a848c0	US East (N. Virginia) us-east-1	Bucket and objects not public	February 7, 2024, 10:46:52 (UTC+05:00)

Copy ARN Empty Delete Create bucket

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The screenshot shows the AWS S3 console interface. The left sidebar is titled "Amazon S3" and includes sections for "Buckets", "Access Grants", "Access Points", "Object Lambda Access Points", "Multi-Region Access Points", "Batch Operations", "IAM Access Analyzer for S3", "Block Public Access settings for this account", and "Storage Lens". The main content area is titled "Objects (0) Info" and contains a toolbar with "Actions" (Create folder, Upload, Copy S3 URI, Copy URL, Download, Open, Delete). Below the toolbar is a search bar "Find objects by prefix" and a table header with columns: Name, Type, Last modified, Size, Storage class. A message states "No objects. You don't have any objects in this bucket." with a "Upload" button.

The screenshot shows the AWS S3 console interface with a search bar containing "ec2". The left sidebar is identical to the first screenshot. The main content area is titled "Search results for 'ec2'" and displays two sections: "Services" and "Features". The "Services" section lists EC2 (Virtual Servers in the Cloud), EC2 Image Builder (A managed service to automate build, customize and deploy OS images), Recycle Bin (Protect resources from accidental deletion), and Amazon Inspector (Continual vulnerability management at scale). The "Features" section lists 57 results. The right side of the screen shows a partially visible "Objects" view for the samplebucket-44a848c0 bucket, showing the same empty state as the first screenshot.

Home | EC2 | ap-southeast-2

ap-southeast-2.console.aws.amazon.com/ec2/home?region=ap-southeast-2#Home:

aws Services Search [Alt+S]

EC2 Dashboard

- EC2 Global View
- Events
- Instances**
 - Instances
 - Instance Types
 - Launch Templates
 - Spot Requests
 - Savings Plans
 - Reserved Instances
 - Dedicated Hosts
 - Capacity Reservations
 - New
- Images**
 - AMIs
 - AMI Catalog

Resources

You are using the following Amazon EC2 resources in the Asia Pacific (Sydney) Region:

Instances (running)	0	Auto Scaling Groups	0	API Error
Dedicated Hosts	0	Elastic IPs	0	API Error
Instances	0	Key pairs	0	API Error
Load balancers	0	Placement groups	0	API Error
Security groups	0	Snapshots	0	API Error
Volumes	0			

EC2 Free Tier Info

Offers for all AWS Regions.

0 EC2 free tier offers in use

End of month forecast

>User: arn:aws:iam::851725500227:user/spl66/user-1 is not authorized to perform: fleettier:GetFreeTierUsage on resource: arn:aws:fleettier:us-east-1:851725500227:/GetFreeTierUsage because no identity-based policy allows the fleettier:GetFreeTierUsage action

Exceeds free tier

User: arn:aws:iam::851725500227:user/spl66/user-1 is not authorized to perform: fleettier:GetFreeTierUsage on resource: arn:aws:fleettier:us-east-1:851725500227:/GetFreeTierUsage because no identity-based policy allows the fleettier:GetFreeTierUsage action

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Instances | EC2 | ap-southeast-2

ap-southeast-2.console.aws.amazon.com/ec2/home?region=ap-southeast-2#instances:

aws Services Search [Alt+S]

Instances Info

Find Instance by attribute or tag (case-sensitive)

Any state

Name Instance ID Instance state Instance type Status check Alarm status Availability Zone

You are not authorized to perform this operation. User: arn:aws:iam::851725500227:user/spl66/user-1 is not authorized to perform: ec2:DescribeInstances because no identity-based policy allows the ec2:DescribeInstances action

Select an instance

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Manage AWS Resources

aws.amazon.com/console/

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AWS Management Console Overview Features FAQs

AWS Management Console

Everything you need to access and manage the AWS Cloud — in one web interface

Log back in

Free AWS Training
Advance your career with AWS Cloud Practitioner Essentials—a free, six-hour, self-paced course.

AWS Certification
Propel your career forward with AWS Certification. Get started with AWS Certified Solutions Architect.

AWS Free Digital Training
Access 350+ free digital courses with training built by AWS experts.

AWS Cloud Training
Comprehensive training that accelerates cloud adoption.

Console Home | Console

ap-southeast-2.console.aws.amazon.com/console/home?region=ap-southeast-2#

Services Search [Alt+S] Sydney user-2 @ 8517-2550-0227

Console Home

Recently visited S3, EC2

Reset to default layout + Add widgets

Applications (0)

Create application

Region: Asia Pacific (Sydney)

ap-southeast-2 (Current Region) Find applications

Name	Description	Region	Originating a...
Access denied			

View all services Go to myApplications

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Console Home | Console + ap-southeast-2.console.aws.amazon.com/console/home?region=ap-southeast-2#

aws Services X

Search results for 'ec2'

Services (13)

- Recent
- Features (57)
- Resources New
- Documentation (34,423)
- Knowledge Articles (608)
- Marketplace (3,302)
- Blogs (2,122)
- Events (30)
- Tutorials (21)

Services

EC2 Virtual Servers in the Cloud

EC2 Image Builder A managed service to automate build, customize and deploy OS images

Recycle Bin Protect resources from accidental deletion

Amazon Inspector Continual vulnerability management at scale

See all 13 results ▶

Features

See all 57 results ▶

+ Add widgets

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The screenshot shows the AWS Console search results for 'ec2'. The search bar at the top has 'ec2' typed into it. Below the search bar, there's a sidebar with recent items and a list of services. The main area displays four service cards: EC2 (Virtual Servers in the Cloud), EC2 Image Builder (A managed service to automate build, customize and deploy OS images), Recycle Bin (Protect resources from accidental deletion), and Amazon Inspector (Continual vulnerability management at scale). Each card includes a small icon, a title, a brief description, and a star rating.

Instances | EC2 | us-east-1 + ap-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

aws Services [Alt+S] X

Instances (2) Info

Find Instance by attribute or tag (case-sensitive)

Any state

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Bastion Host	i-0040df1d0377c4f19	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a
LabHost	i-0360b356d4ed399c2	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a

Select an instance

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The screenshot shows the AWS EC2 Instances page. The left sidebar has 'Instances' selected under 'Instances'. The main area shows a table of instances. There are two instances listed: 'Bastion Host' and 'LabHost'. Both instances are in the 'Running' state, have t2.micro instance types, and 2/2 checks passed for status checks. They are located in the 'us-east-1a' availability zone. A modal window titled 'Select an instance' is open at the bottom of the screen.

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

EC2 Dashboard Services Search [Alt+S]

Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)

Any state

Name Instance

Bastion Host i-0040d

LabHost i-0360b

Stop instance?

Instance IDs

i-0360b356d4ed399c2 (LabHost)

After you stop the instance, you are no longer charged usage or data transfer fees for it. However, you will still be billed for associated resources, such as attached EBS volumes and associated Elastic IP addresses.

To confirm that you want to stop the instance, choose the Stop button below.

Cancel Stop

Details Status and alarms New

Instance summary Info

Instance ID i-0360b356d4ed399c2 (LabHost)

IPv6 address -

Public IPv4 DNS ec2-34-228-53-102.compute-1.amazonaws.com

Instance state Running

Public IPv4 address 34.228.53.102 [open address]

Private IPv4 address 10.1.11.125

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CloudShell Feedback

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

EC2 Dashboard Services Search [Alt+S]

Failed to stop the instance i-0360b356d4ed399c2

You are not authorized to perform this operation. User: arn:aws:iam::851725500227:user/spl66/user-2 is not authorized to perform: ec2:StopInstances on resource: arn:aws:ec2:us-east-1:851725500227:instance/i-0360b356d4ed399c2 because no identity-based policy allows the ec2:StopInstances action. Encoded authorization failure message: kgPwpaexgvNsk9XUUr93m6TrOcBp2g6xp5t3PfGswl6Wm64DofUoJQzU2K-TyQ1-5Gxqe9jy4NDu7Ds2zNI0VZTWUXab2Rcu_ywaM342Fyo0d_bp4horyTpdxh6PfJaE_a5zpGIDnPQbT9G2wKI_xvc0U6-T9AEJhx1jl_mkD8L5gdF7Y6pUv7sncFX5Bz2ImTpNq59E35KxlmnnMMpXaNClr5gQsfH8qaAzBLhYbgoJUWrqGNLVAvsBzIKF8N4Rsc78tqOIDuPX9fxcNeNGvLmaxkjzj8h_67jEfg0DMQ9b27LeEpNp4lojH4PgG977sevDsrGA4lSwYnUqcSpēNThhj1xl_d_OHCPB08O_GtxLqdb9FxwbuXNk0c1F68VbpGukHMwQu2YNfVR5ACMCu0E0VafK_ROMrZoOD1GDagkhxOWU7E1JAjZKRZPuvnFjyDtjPxfb1zUNoCGPNyQD_2A_4eEM7b8E3DUlw1DjVnZPe04pyToTjlo3h6HVz7YX5_XoN9YW6oDWpXREqEzg0Gj48QGPDgaBQLPvoXKSYEsckZtVdmX9K5lsGk3E1Yx1w5ZQ1yR19GPF0UA8MwqW0-uuoXOIBXRUN1eZlbf4m81Lb_2tPDDQXconUVPSW4TSpvSeGltMK5qOpThzYDUHqjb0F69tqCoxFl5IGPwMX9sFw7rIpPnJSvfzYSje1xWnq0Qs50tCoEw45_lYSU1q2kL4UTSDEAY1cDpn1VpNeqf2QMLfUOA1CQZ24HNTk7Ch48g_vQNQW_QPx5xNppWFAmYwr2kdyKRJwPhkL43R7O4ikcuF2oVWmXpit_yS2ZQN4sAo6gQvZ1XeFXGQRCMlCx4XGdsjx4bQ90WaHYaa4tEwuOjOTq3zy0lABV7l8Rn1M2wg3LD4zP4N5eMCs4lKvt0wZU87c5YqhMwMMZQzzedd3usrLtlUrbtP46a5TkIgPH6vRd5msRTx375yanw6cOWIDowFTIlywFPzoT

Details Status and alarms New Monitoring Security Networking Storage Tags

Instance summary Info

Instance ID i-0360b356d4ed399c2 (LabHost)

IPv6 address -

Public IPv4 address 34.228.53.102 [open address]

Private IPv4 address 10.1.11.125

Public IPv4 DNS ec2-34-228-53-102.compute-1.amazonaws.com

Instance state Running

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CloudShell Feedback

Console Home | Console

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

aws Services Search [Alt+S] N. Virginia user-3 @ 8517-2550-0227

Console Home

Recently visited

- EC2
- S3

View all services

Applications (0)

Create application

Region: US East (N. Virginia)

us-east-1 (Current Region) Find applications

Name Description Region Originating a...

Access denied

Go to myApplications

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This screenshot shows the AWS Console Home page. On the left, there's a sidebar with 'Recently visited' links for EC2 and S3. The main area has a heading 'Applications (0)' with a 'Create application' button. Below it, a table lists regions with one entry: 'us-east-1 (Current Region)' followed by a 'Find applications' search bar. A prominent red-bordered box highlights an 'Access denied' message. At the bottom, there are links for 'CloudShell', 'Feedback', and copyright information.

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instances:

aws Services Search [Alt+S] N. Virginia user-3 @ 8517-2550-0227

Instances (1/2)

Find Instance by attribute or tag (case-sensitive)

Any state

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
Bastion Host	i-0040df1d0377c4f19	Running	t2.micro	2/2 checks passed	User: arn:aws:ec2:us-east-1:123456789012:instance/i-0040df1d0377c4f19	us-east-1a
LabHost	i-0360b356d4ed399c2	Running	t2.micro	2/2 checks passed	User: arn:aws:ec2:us-east-1:123456789012:instance/i-0360b356d4ed399c2	us-east-1a

Instance: i-0360b356d4ed399c2 (LabHost)

Details Status and alarms New Monitoring Security Networking Storage Tags

Instance summary

Instance ID	I-0360b356d4ed399c2 (LabHost)	Public IPv4 address	34.228.53.102 [Open address]	Private IPv4 addresses	10.1.11.125
IPv6 address	-	Instance state	Running	Public IPv4 DNS	ec2-34-228-53-102.compute-1.amazonaws.com [Open address]

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This screenshot shows the AWS EC2 Instances page. The left sidebar includes links for EC2 Dashboard, Global View, Events, Instances (selected), Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations (New), and Images (AMIs, AMI Catalog). The main area displays a table of instances with columns for Name, Instance ID, Instance state, Instance type, Status check, Alarm status, and Availability Zone. Two instances are listed: 'Bastion Host' and 'LabHost', both in the 'Running' state. Below the table, a detailed view for the 'LabHost' instance is shown, including sections for Details, Status and alarms, Monitoring, Security, Networking, Storage, and Tags. The 'Instance summary' section provides specific details like instance ID, public IP, private IP, and DNS name.

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

EC2 Dashboard Services Search [Alt+S]

Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)

Any state

Name: Bastion Host (i-0040df1d0377c4f19) Instance ID: i-0040df1d0377c4f19

Name: LabHost (i-0360b356d4ed399c2) Instance ID: i-0360b356d4ed399c2 (LabHost)

Stop instance?

Instance IDs: i-0360b356d4ed399c2 (LabHost)

After you stop the instance, you are no longer charged usage or data transfer fees for it. However, you will still be billed for associated resources, such as attached EBS volumes and associated Elastic IP addresses.

To confirm that you want to stop the instance, choose the Stop button below.

Cancel Stop

Instance summary: LabHost (i-0360b356d4ed399c2)

Instance ID: i-0360b356d4ed399c2 (LabHost) Public IPv4 DNS: ec2-34-228-53-102.compute-1.amazonaws.com

IPv6 address: - Instance state: Running Private IPv4 address: 10.1.11.125

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Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Instances:

EC2 Dashboard Services Search [Alt+S]

Instances (1/2) Info

Successfully stopped i-0360b356d4ed399c2

Find Instance by attribute or tag (case-sensitive)

Any state

Name: Bastion Host (i-0040df1d0377c4f19) Instance ID: i-0040df1d0377c4f19 Instance state: Running Instance type: t2.micro Status check: 2/2 checks passed Alarm status: User: arn:aws:lambda:us-east-1a

Name: LabHost (i-0360b356d4ed399c2) Instance ID: i-0360b356d4ed399c2 Instance state: Stopping Instance type: t2.micro Status check: 2/2 checks passed Alarm status: User: arn:aws:lambda:us-east-1a

Instance: i-0360b356d4ed399c2 (LabHost)

Details Status and alarms New Monitoring Security Networking Storage Tags

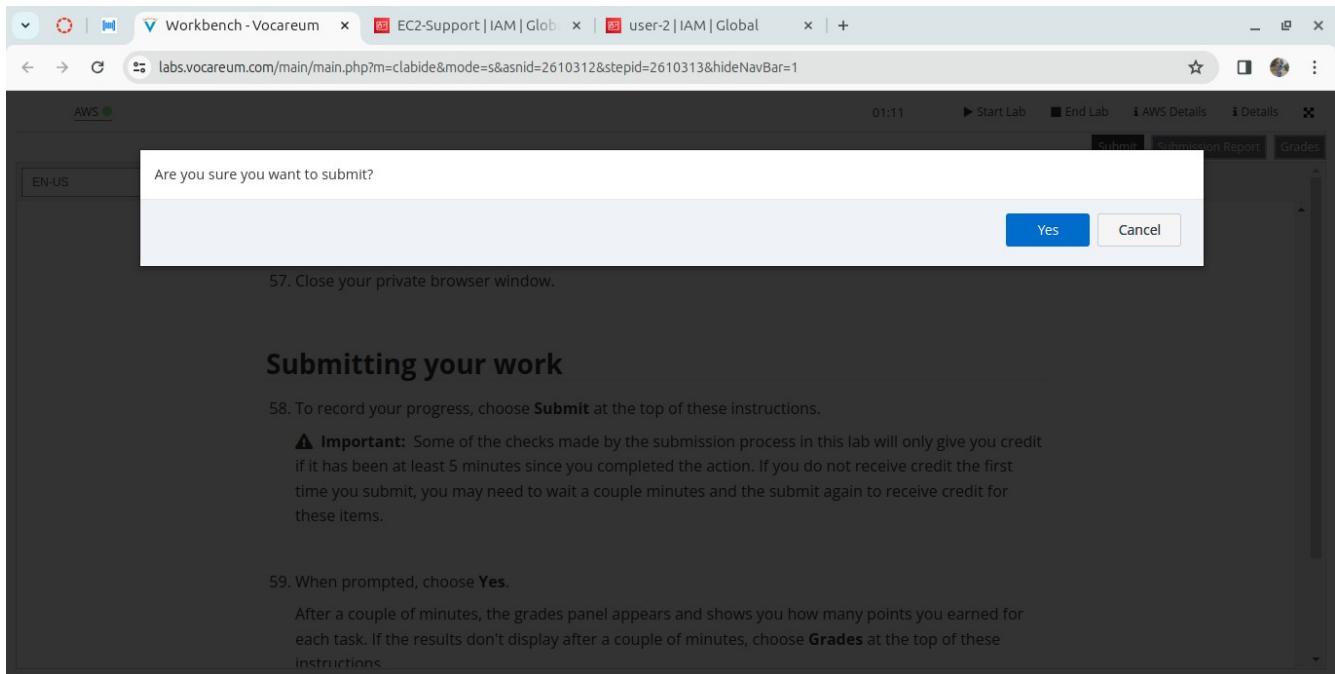
Instance summary: LabHost (i-0360b356d4ed399c2)

Instance ID: i-0360b356d4ed399c2 (LabHost) Public IPv4 address: 34.228.53.102 [open address] Private IPv4 address: 10.1.11.125

IPv6 address: - Instance state: Stopping Public IPv4 DNS: ec2-34-228-53-102.compute-1.amazonaws.com

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CloudShell Feedback



Submitting your work

58. To record your progress, choose **Submit** at the top of these instructions.

⚠ Important: Some of the checks made by the submission process in this lab will only give you credit if it has been at least 5 minutes since you completed the action. If you do not receive credit the first time you submit, you may need to wait a couple minutes and the submit again to receive credit for these items.

59. When prompted, choose **Yes**.

After a couple of minutes, the grades panel appears and shows you how many points you earned for each task. If the results don't display after a couple of minutes, choose **Grades** at the top of these instructions.

