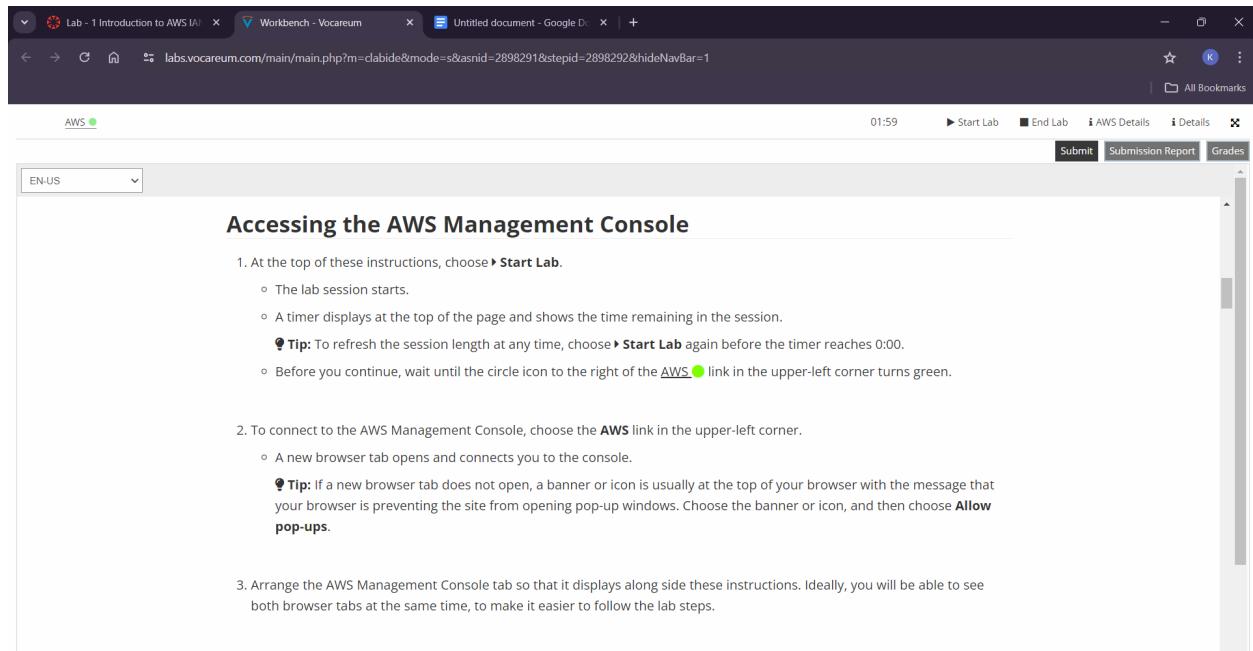


## CLOUD COMPUTING LAB 4

Identity and Access Management (IAM) refers to the policies, processes, and technologies used to manage digital identities and control access to resources within an organization.



The screenshot shows a web browser window with three tabs: "Lab - 1 Introduction to AWS IAM", "Workbench - Vocareum", and "Untitled document - Google Docs". The main content area displays instructions for accessing the AWS Management Console:

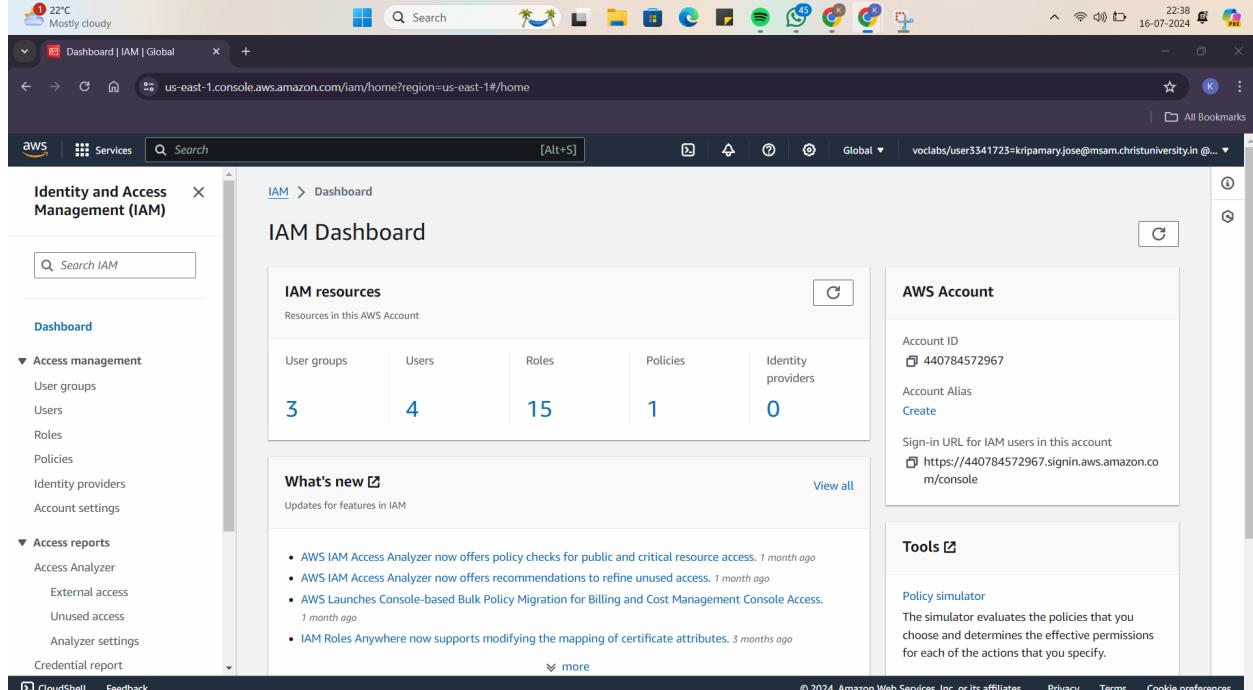
**Accessing the AWS Management Console**

- At the top of these instructions, choose **Start Lab**.
  - The lab session starts.
  - A timer displays at the top of the page and shows the time remaining in the session.

**Tip:** To refresh the session length at any time, choose **Start Lab** again before the timer reaches 0:00.

  - Before you continue, wait until the circle icon to the right of the **AWS** link in the upper-left corner turns green.
- To connect to the AWS Management Console, choose the **AWS** link in the upper-left corner.
  - A new browser tab opens and connects you to the console.

**Tip:** If a new browser tab does not open, a banner or icon is usually at the top of your browser with the message that your browser is preventing the site from opening pop-up windows. Choose the banner or icon, and then choose **Allow pop-ups**.
- Arrange the AWS Management Console tab so that it displays alongside these instructions. Ideally, you will be able to see both browser tabs at the same time, to make it easier to follow the lab steps.

The screenshot shows the AWS IAM Dashboard. The left sidebar includes sections for Identity and Access Management (IAM), Access management, Access reports, and Credential report. The main dashboard displays the following information:

User groups	Users	Roles	Policies	Identity providers
3	4	15	1	0

**What's new**

- 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. 1 month ago
- IAM Roles Anywhere now supports modifying the mapping of certificate attributes. 3 months ago

**AWS Account**

Account ID: 440784572967  
Account Alias: Create  
Sign-in URL for IAM users in this account: <https://440784572967.signin.aws.amazon.com/console>

**Tools**

**Policy simulator**  
The simulator evaluates the policies that you choose and determines the effective permissions for each of the actions that you specify.

The screenshot displays two side-by-side views of the AWS Identity and Access Management (IAM) console for a user named "user-1".

**User Details View:**

- Summary:** Shows the ARN (arn:aws:iam::440784572967:user/spl66/user-1), Console access (Enabled without MFA), and two Access keys (Access key 1: AKIAWNIGO2IT57SXWA7Q - Active, Never used, Created today; Access key 2: Create access key).
- Permissions:** Shows 0 attached policies.
- Groups:** Shows 0 user groups attached.

**Groups Membership View:**

- Summary:** Shows the same ARN, Console access (Enabled without MFA), and two Access keys.
- User groups membership:** Shows 0 attached policies and a note stating "This user does not belong to any groups."

Both views include a left sidebar with navigation links for IAM management (Access management, Access reports, etc.) and general AWS services.

Screenshot of the AWS IAM User Details page (user-1) and the User Groups page.

**User-1 Details:**

ARN	Console access	Access key 1
arn:aws:iam::440784572967:user/spl66/user-1	Enabled without MFA	AKIAWNIGO2IT57SXWA7Q - Active Never used. Created today.
Created July 16, 2024, 22:32 (UTC+05:30)	Last console sign-in Never	Access key 2 Create access key

**User Groups:**

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

The screenshot shows two views of the AWS IAM interface. The top view displays the 'EC2-Support' user group details, including its creation time (July 16, 2024, 22:33 UTC+05:30) and ARN (arn:aws:iam::440784572967:group/spl66/EC2-Support). The bottom view shows the 'Permissions policies' section for the same group, listing the 'AmazonEC2ReadOnlyAccess' policy attached to it.

**EC2-Support | IAM | Global**

**Identity and Access Management (IAM)**

**User groups**

**EC2-Support**

**Summary**

User group name: EC2-Support  
Creation time: July 16, 2024, 22:33 (UTC+05:30)  
ARN: arn:aws:iam::440784572967:group/spl66/EC2-Support

**Users** | Permissions | Access Advisor

**Users in this group (0)**

No resources to display

**Permissions policies (1)**

You can attach up to 10 managed policies.

**AmazonEC2ReadOnlyAccess**

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

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

EC2-Support | IAM | Global

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

Identity and Access Management (IAM)

AmazonEC2ReadOnlyAccess

```
[{"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"]}], "Attached entities": 1}
```

User groups

EC2-Support

EC2-Support

S3-Support

Screenshot of the AWS IAM console showing the details of the 'S3-Support' user group.

**Summary**

User group name	Creation time	ARN
S3-Support	July 16, 2024, 22:33 (UTC+05:30)	arn:aws:iam:440784572967:group/spl66/S3-Support

**Users in this group (0)**

No resources to display

**Permissions**

Permissions policies (1) [Info](#)

You can attach up to 10 managed policies.

Policy name	Type	Attached entities
AmazonS3ReadOnlyAccess	AWS managed	1

AmazonS3ReadOnlyAccess

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

```
1 [ {  
2     "Version": "2012-10-17",  
3     "Statement": [  
4         {  
5             "Effect": "Allow",  
6             "Action": [  
7                 "s3:Get*",  
8                 "s3>List*",  
9                 "s3:Describe*",  
10                "s3:ObjectLambda:Get*"  
11            ]  
12        }  
13    ]  
14}
```

User groups | IAM | Global

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

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.

Search

Group name Users Permissions Creation time

Group name	Users	Permissions	Creation time
EC2-Admin	0	Defined	12 minutes ago
EC2-Support	0	Defined	12 minutes ago
S3-Support	0	Defined	12 minutes ago

CloudShell Feedback

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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

IAM > User groups > EC2-Admin

EC2-Admin Info

Delete

Summary

Edit

User group name	Creation time	ARN
EC2-Admin	July 16, 2024, 22:33 (UTC+05:30)	arn:aws:iam::440784572967: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.

Search

User name

No resources to display

CloudShell Feedback

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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=permissions

**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

CloudShell Feedback

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

EC2-Admin-Policy

```
1- [ {  
2-     "Version": "2012-10-17",  
3-     "Statement": [  
4-         {  
5-             "Action": [  
6-                 "ec2:Describe*",  
7-                 "ec2:StartInstances",  
8-                 "ec2:StopInstances"  
9-             ],  
10-            "Resource": [  
11-                "*"  
12-            ],  
13-            "Effect": "Allow"  
14-        }  
15-    ]  
16-}
```

Copy JSON Edit □

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Add users | IAM | Global

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

CloudShell Feedback

IAM > User groups > S3-Support > Add users

Add users to S3-Support [Info](#)

Other users in this account (1/4)

Search

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

Cancel Add users

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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)

1 user added to this group.

### S3-Support

Summary

User group name S3-Support	Creation time July 16, 2024, 22:33 (UTC+05:30)	ARN arn:aws:iam:440784572967:group/spl66/S3-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	Groups	Last activity	Creation time
<a href="#">user-1</a>	1	None	14 minutes ago

Add users

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

Other users in this account (1/4)

User name	Groups	Last activity	Creation time
<a href="#">awsstudent</a>	0	None	14 minutes ago
<a href="#">user-1</a>	1	None	15 minutes ago
<a href="#">user-2</a>	0	None	15 minutes ago
<a href="#">user-3</a>	0	None	15 minutes ago

Cancel Add users

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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)

1 user added to this group.

### EC2-Support

Summary

User group name EC2-Support	Creation time July 16, 2024, 22:33 (UTC+05:30)	ARN arn:aws:iam::440784572967:group/spl66/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	Groups	Last activity	Creation time
user-2	1	None	15 minutes ago

EC2-Admin | IAM | Global

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

Identity and Access Management (IAM)

1 user added to this group.

### EC2-Admin

Summary

User group name EC2-Admin	Creation time July 16, 2024, 22:33 (UTC+05:30)	ARN arn:aws:iam::440784572967: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.

User name	Groups	Last activity	Creation time
user-3	1	None	16 minutes ago

The screenshot shows the AWS IAM User groups page. The left sidebar navigation includes 'Identity and Access Management (IAM)' and 'Access management' sections like 'User groups', 'Users', 'Roles', 'Policies', 'Identity providers', and 'Account settings'. The main content area displays a table titled 'User groups (3) Info' with columns for Group name, Users, Permissions, and Creation time. Three groups are listed:

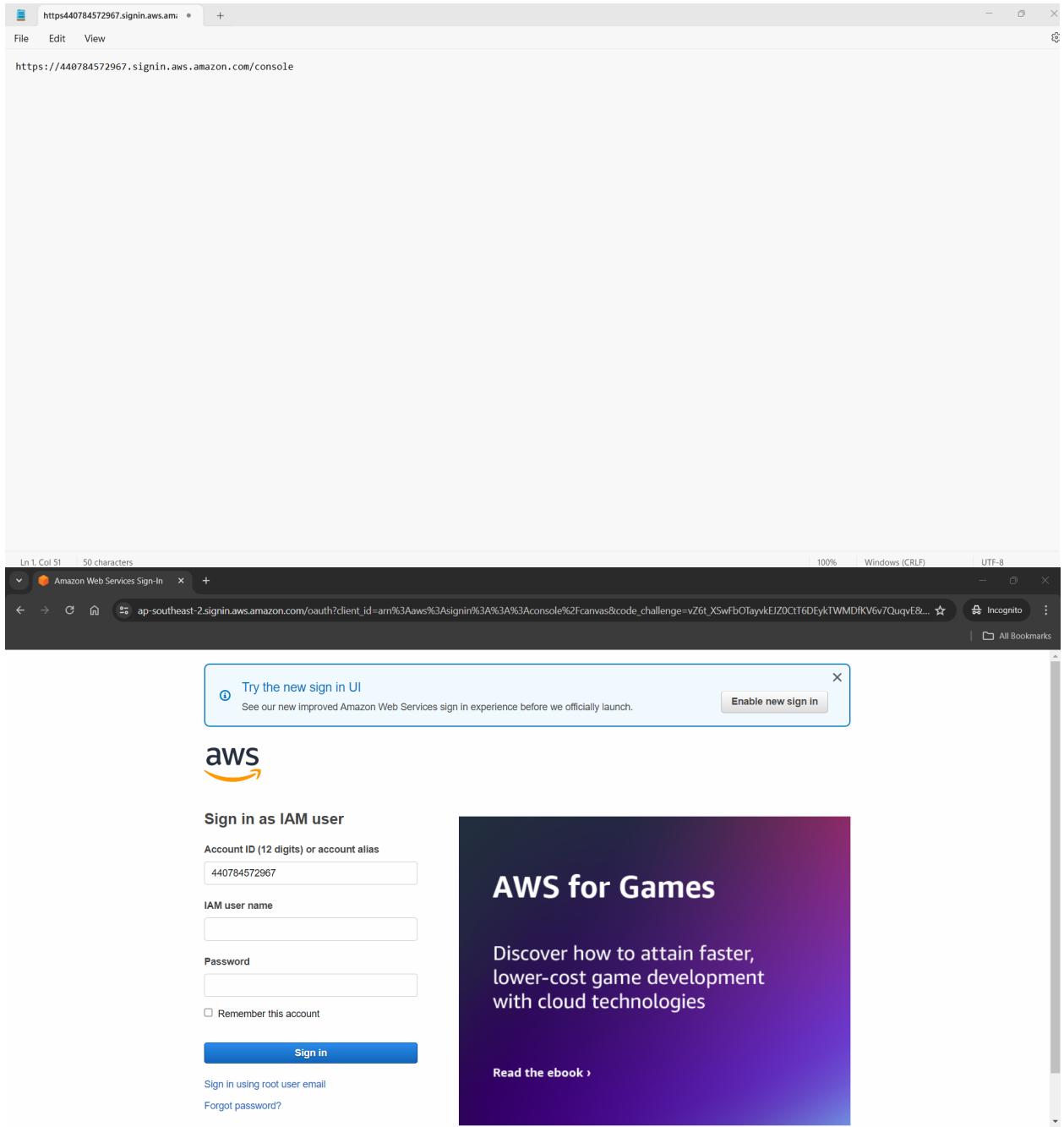
Group name	Users	Permissions	Creation time
EC2-Admin	1	Defined	15 minutes ago
EC2-Support	1	Defined	15 minutes ago
S3-Support	1	Defined	15 minutes ago

The screenshot shows the AWS IAM Dashboard. The left sidebar navigation includes 'Identity and Access Management (IAM)' and 'Access management' sections like 'User groups', 'Users', 'Roles', 'Policies', 'Identity providers', and 'Account settings'. The main content area displays 'IAM resources' (User groups: 3, Users: 4, Roles: 15, Policies: 1, Identity providers: 0) and a 'What's new' section with the following items:

- 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. 1 month ago
- IAM Roles Anywhere now supports modifying the mapping of certificate attributes. 3 months ago

A context menu is open over the 'AWS Account' section, showing a copied URL: <https://440784572967.signin.aws.amazon.com/console>.



Console Home | Console Home

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

aws Services Search [Alt+S]

Service menu  
You can access all AWS services here.  
There are sections for recently visited  
and you can save your favorite services  
too.

Next

No recently visited services

Explore one of these commonly visited AWS services.

EC2 S3 RDS Lambda

View all services

Applications Info Region: Asia Pacific (Sydney)

Create application

Reset to default layout + Add widgets

Welcome to AWS AWS Health Info Cost and usage Info

This screenshot shows the AWS Console Home page. On the left, a 'Service menu' box is highlighted with a blue border. It contains text about accessing all AWS services, visiting recently visited services, and saving favorite services. A 'Next' button is at the bottom. Below this is a large empty space with a cube icon and the text 'No recently visited services'. Underneath is a section for commonly visited services with links to EC2, S3, RDS, and Lambda. At the bottom is a 'View all services' button. To the right is the 'Applications' section, which is currently empty. It includes a 'Create application' button and options to 'Reset to default layout' or 'Add widgets'. Below the applications section are three other cards: 'Welcome to AWS', 'AWS Health', and 'Cost and usage'.

Console Home | Console Home

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

aws Services Search [Alt+S]

Service menu  
You can access all AWS services here.  
There are sections for recently visited  
and you can save your favorite services  
too.

Next

No recently visited services

Explore one of these commonly visited AWS services.

EC2 S3 RDS Lambda

View all services

Applications (0) Info Region: Asia Pacific (Sydney)

Create application

Reset to default layout + Add widgets

ap-southeast-2 (Current Region) Find applications

Name Description Region Originating account

Access denied

Go to myApplications

Welcome to AWS AWS Health Info Cost and usage Info

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This screenshot is identical to the one above, but the 'Applications' section is now populated. It shows a table with a single row labeled 'Access denied'. The rest of the interface, including the Service menu and other sections like AWS Health and Cost and usage, remains the same.

The screenshot shows the AWS S3 console interface. On the left, a sidebar menu includes options like 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 (with sub-options Dashboards, Storage Lens groups, and AWS Organizations settings), and a Feature spotlight.

The main content area displays an **Account snapshot** (updated every 24 hours) with a link to All AWS Regions. It also features a **View Storage Lens dashboard** button. Below this, tabs for **General purpose buckets** and **Directory buckets** are shown. A table lists one bucket:

Name	AWS Region	IAM Access Analyzer	Creation date
samplebucket--3c92daa0	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	July 16, 2024, 22:32:59 (UTC+05:30)

**Screenshot 2:** This screenshot shows the details of the 'samplebucket--3c92daa0' bucket. The URL is [us-east-1.console.aws.amazon.com/s3/buckets/samplebucket--3c92daa0?region=us-east-1&bucketType=general&tab=objects](https://us-east-1.console.aws.amazon.com/s3/buckets/samplebucket--3c92daa0?region=us-east-1&bucketType=general&tab=objects).

The sidebar and top navigation bar are identical to the first screenshot. The main content area shows the bucket's name, samplebucket--3c92daa0, and its details. The **Objects** tab is selected, showing a table with no objects:

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

Buttons for Actions (Actions ▾, Create folder, Upload), Copy S3 URI, Copy URL, Download, Open, Delete, and Upload are visible at the top of the object list.

<https://us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#Home>

**EC2 Dashboard**

EC2 Global View  
Events  
Console-to-Code [Preview](#)

Instances

- Instances
- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations

Images

- AMIs
- AMI Catalog

Elastic Block Store

- Volumes

CloudShell Feedback

**Resources**

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Instances (running)	2	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	0	Instances	2	Key pairs	1
Load balancers	0	Placement groups	0	Security groups	3
Snapshots	0	Volumes	2		

**Launch instance**

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

**Service health**

AWS Health Dashboard

Region: US East (N. Virginia)  
Status: This service is operating normally.

**Explore AWS**

10 Things You Can Do Today to Reduce AWS Costs  
Explore how to effectively manage your AWS costs without compromising on performance or capacity.  
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AWS Graviton2 powered EC2 instances enable up

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

**EC2 Dashboard**

EC2 Global View  
Events  
Console-to-Code [Preview](#)

Instances

Instances

- Instance Types
- Launch Templates
- Spot Requests
- Savings Plans
- Reserved Instances
- Dedicated Hosts
- Capacity Reservations

Images

- AMIs
- AMI Catalog

Elastic Block Store

- Volumes

CloudShell Feedback

**Instances (2) Info**

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone
LabHost	i-088845745e5baeec7	Running	t2.micro	2/2 checks passed	<a href="#">View alarms</a>	us-east-1a
Bastion Host	i-0baef3ecb2b5ce5f20	Running	t2.micro	2/2 checks passed	<a href="#">View alarms</a>	us-east-1a

Select an instance

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The image displays two screenshots of the AWS Management Console. The top screenshot shows the main homepage with sections for 'Overview', 'Features', 'Mobile Application', and 'FAQs'. It features a large 'Sign in' button and four icons representing different AWS services: a monitor, a gear, a cloud, and a message bubble. The bottom screenshot shows the 'Console Home' page for the 'us-east-1' region, with tabs for 'Services' and 'Search'. It includes sections for 'Recently visited' (with 53 items), 'Applications' (0), 'Welcome to AWS', 'AWS Health', and 'Cost and usage'. A red box highlights an 'Access denied' message in the Applications section.

The screenshot shows the AWS EC2 Home page for the US East (N. Virginia) Region. The left sidebar includes links for EC2 Global View, Events, Console-to-Code Preview, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs, AMI Catalog), and Elastic Block Store (Volumes). The main content area displays the following information:

**Resources**

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Instances (running)	2	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	0	Instances	2	Key pairs	1
Load balancers	0	Placement groups	0	Security groups	3
Snapshots	0	Volumes	2		

**Launch instance**

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

**Service health**

AWS Health Dashboard

Region: US East (N. Virginia)  
Status: This service is operating normally.

**Explore AWS**

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AWS Graviton2 powered EC2 instances enable up to 40% better price performance for a broad spectrum of cloud workloads. Learn more

Get Up to 40% Better Price Performance  
T4g instances deliver the best price performance for

**Instances (2) Info**

Find Instance by attribute or tag (case-sensitive)

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pul
LabHost	i-088845745e5baeec7	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2
Bastion Host	i-0ba3ecb2b5ce5f20	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2

Select an instance

Screenshot of the AWS EC2 Instances page showing a modal dialog for stopping an instance.

The modal dialog is titled "Stop instance?" and contains the following information:

- Instance IDs: i-088845745e5baeec7 (LabHost)
- Warning message: 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.
- Confirmation message: To confirm that you want to stop the instance, choose the Stop button below.
- Buttons: Cancel (gray) and Stop (orange).

Below the modal, the main EC2 Instances table shows two instances:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Pu
LabHost	i-088845745e5baeec7	Stopping	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2
Bastion Host	i-0baf3eb2b5ce5f20	Running	t2.micro	2/2 checks passed	View alarms +	us-east-1a	ec2

Success message: Successfully initiated stopping of i-088845745e5baeec7

The screenshot shows the AWS S3 console interface. On the left, a sidebar titled "Amazon S3" lists various options like Buckets, Access Grants, and Storage Lens. The main area displays an "Account snapshot" updated every 24 hours, showing storage usage and activity trends. Below this, there are tabs for "General purpose buckets" and "Directory buckets", with "General purpose buckets" currently selected. It shows one bucket named "samplebucket--3c92daa0" created on July 16, 2024, at 22:32:59 UTC+05:30. The bucket is located in the US East (N. Virginia) region.

**General purpose buckets (1)**

Name	AWS Region	IAM Access Analyzer	Creation date
samplebucket--3c92daa0	US East (N. Virginia) us-east-1	<a href="#">View analyzer for us-east-1</a>	July 16, 2024, 22:32:59 (UTC+05:30)

The screenshot shows the AWS Console Home page. It features a "Recently visited" section with links to IAM, EC2, and S3. To the right, there is an "Applications" section showing zero applications, with a note about access denied. Other sections include "Welcome to AWS", "AWS Health", and "Cost and usage". The bottom of the page includes standard AWS navigation links like CloudShell, Feedback, and a footer with copyright information.

Dashboard | EC2 | us-east-1

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

Incognito All Bookmarks N. Virginia user-2 @ 4407-8457-2967

EC2 Dashboard Services Search [Alt+S]

EC2 Global View

Events

Console-to-Code [Preview](#)

Instances Instances Instance Types Launch Templates Spot Requests Savings Plans Reserved Instances Dedicated Hosts Capacity Reservations

Images AMIs AMI Catalog

Elastic Block Store Volumes

CloudShell Feedback

Resources

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Instances (running)	1	Auto Scaling Groups	0	Dedicated Hosts	0
Elastic IPs	0	Instances	2	Key pairs	1
Load balancers	0	Placement groups	0	Security groups	3
Snapshots	0	Volumes	2		

Launch instance

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance Migrate a server

Note: Your instances will launch in the US East (N. Virginia) Region

EC2 Global view

Account attributes

Default VPC [vpc-034ffd032a95034c4](#)

Settings

Data protection and security

Zones

EC2 Serial Console

Default credit specification

EC2 console preferences

Explore AWS

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AWS Graviton2 powered EC2 instances enable up to 40% better price performance for a broad spectrum of cloud workloads. [Learn more](#)

Amazon GuardDuty Malware Protection

GuardDuty now provides agentless malware

CloudShell Feedback

Console Home | Console Home

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

Incognito All Bookmarks N. Virginia user-3 @ 4407-8457-2967

aws Services Search [Alt+S]

Console Home Info

Recently visited [Info](#)

IAM

EC2

S3

View all services

Reset to default layout + Add widgets

Applications (0) [Info](#)

Create application

Region: US East (N. Virginia)

us-east-1 (Current Region) Find applications

Name Description Region Originating account

Access denied

Go to myApplications

Welcome to AWS

AWS Health [Info](#)

Cost and usage [Info](#)

CloudShell Feedback

Dashboard | EC2 | us-east-1

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

Incognito All Bookmarks N. Virginia user-3 @ 4407-8457-2967

EC2 Dashboard Services Search [Alt+S]

**Resources**

You are using the following Amazon EC2 resources in the US East (N. Virginia) Region:

Instances (running)	1	Auto Scaling Groups	0 API Error	Dedicated Hosts	0
Elastic IPs	0	Instances	2	Key pairs	1
Load balancers	0 API Error	Placement groups	0	Security groups	3
Snapshots	0	Volumes	2		

**Account attributes**

Default VPC [vpc-034ffd032a95034c4](#)

Settings

Data protection and security

Zones

EC2 Serial Console

Default credit specification

EC2 console preferences

**Launch instance**

To get started, launch an Amazon EC2 instance, which is a virtual server in the cloud.

Launch instance Migrate a server

Note: Your instances will launch in the US East (N. Virginia) Region

**Service health**

AWS Health Dashboard

An error occurred An error occurred retrieving service health information Diagnose with Amazon Q

**Explore AWS**

Amazon GuardDuty Malware Protection GuardDuty now provides agentless malware detection in Amazon EC2 & EC2 container workloads. [Learn more](#)

Get Up to 40% Better Price Performance T4g instances deliver the best price performance for burstable general purpose workloads in

CloudShell Feedback

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The screenshot shows the AWS EC2 Dashboard for the us-east-1 region. The left sidebar contains navigation links for EC2 Global View, Events, Console-to-Code Preview, Instances (with sub-links for Instances, Instance Types, Launch Templates, Spot Requests, Savings Plans, Reserved Instances, Dedicated Hosts, Capacity Reservations), Images (AMIs, AMI Catalog), and Elastic Block Store (Volumes). The main content area has three main sections: 'Resources' (listing running instances, auto scaling groups, dedicated hosts, elastic IPs, instances, key pairs, load balancers, placement groups, security groups, snapshots, and volumes), 'Launch instance' (with 'Launch instance' and 'Migrate a server' buttons), and 'Service health' (showing an error occurred in AWS Health Dashboard). On the right, there's an 'Account attributes' section with details about the default VPC, and an 'Explore AWS' section with links to GuardDuty and T4g instances. The bottom footer includes CloudShell, Feedback, and copyright information.

Instances | EC2 | us-east-1

us-east-1.console.aws.amazon.com/ec2/home?region=us-east-1#instancesv=3;\$case=tagstrue%5C;client:false;\$regex=tags:false%5C;client:false

aws Services Search [Alt+S]

EC2 Dashboard

EC2 Global View

Events

Console-to-Code [Preview](#)

Instances

Instances

Instance Types

Launch Templates

Spot Requests

Savings Plans

Reserved Instances

Dedicated Hosts

Capacity Reservations

Images

AMIs

AMI Catalog

Elastic Block Store

Volumes

Successfully initiated starting of i-088845745e5baeec7

Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)

All states

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

<input checked="" type="checkbox"/> LabHost	i-088845745e5baeec7	Stopping	t2.micro	2/2 checks p	User: arn:aws:ec2:us-east-1:123456789012:instance/i-088845745e5baeec7	ec2-1	123.45.67.89
<input type="checkbox"/> Bastion Host	i-0baef3ecb2b5ce5f20	Running	t2.micro	2/2 checks p	User: arn:aws:ec2:us-east-1:123456789012:instance/i-0baef3ecb2b5ce5f20	ec2-5	123.45.67.90

Stop instance?

Instance IDs  
i-088845745e5baeec7 (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

Successfully initiated stopping of i-088845745e5baeec7

Notifications 0 0 0 2 0 0 0

Instances (1/2) Info

Find Instance by attribute or tag (case-sensitive)

All states

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

<input checked="" type="checkbox"/> LabHost	i-088845745e5baeec7	Stopping	t2.micro	2/2 checks p	User: arn:aws:ec2:us-east-1:123456789012:instance/i-088845745e5baeec7	ec2-1	123.45.67.89
<input type="checkbox"/> Bastion Host	i-0baef3ecb2b5ce5f20	Running	t2.micro	2/2 checks p	User: arn:aws:ec2:us-east-1:123456789012:instance/i-0baef3ecb2b5ce5f20	ec2-5	123.45.67.90

i-088845745e5baeec7 (LabHost)

CloudShell Feedback

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