

## **Amazon AWS II – Solution Architect**

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Student Name: Elvin Hatamov  
Student ID: 101150598  
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Term: Summer 2025

### **Activity 1:**

#### **Module 3 - Guided Lab: Exploring AWS Identity and Access Management (IAM)**

Paste screenshot of the AWS Management Console after completing each task.

#### **Task 1: Explore the users and groups, and inspect policies**

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The screenshot displays two screenshots of the AWS IAM console. The top screenshot shows the 'Users' page, and the bottom screenshot shows the 'User groups' page. Both pages include a left-hand navigation menu with options like 'Dashboard', 'Access management', and 'Access reports'. The main content area of the 'Users' page lists three users: user-1, user-2, and user-3, each with a path of /spl66/ and a group of 0. The 'User groups' page lists three groups: EC2-Admin, EC2-Support, and S3-Support, each with 0 users and 'Defined' permissions. The bottom of the screenshot shows the footer with copyright information for Amazon Web Services, Inc. or its affiliates.

**Users (3)** Info

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

<input type="checkbox"/>	User name	Path	Group:	Last activity
<input type="checkbox"/>	<a href="#">user-1</a>	/spl66/	0	-
<input type="checkbox"/>	<a href="#">user-2</a>	/spl66/	0	-
<input type="checkbox"/>	<a href="#">user-3</a>	/spl66/	0	-

**User groups (3)** Info

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

<input type="checkbox"/>	Group name	Users	Permissions	Creator
<input type="checkbox"/>	<a href="#">EC2-Admin</a>	0	Defined	25 minu
<input type="checkbox"/>	<a href="#">EC2-Support</a>	0	Defined	25 minu
<input type="checkbox"/>	<a href="#">S3-Support</a>	0	Defined	25 minu

Task 2: Add users to groups

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

ASUS E-Service Bookmarks google Google coman line ls in win... java Teal - Work Style Other favorites

aws Search [Alt+S] Glo voclabs/user1118636=elvin.hatamov@georgebrown.ca @ 87

Identity and Access Management (IAM)

Search IAM

Dashboard

▼ Access management

User groups

Users

Roles

Policies

Identity providers

Account settings

Root access management [New](#)

▼ Access reports

Access Analyzer

Resource analysis [New](#)

Unused access

Analyzer settings

1 user added to this group.

arn:aws:iam::879525627597: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.

Search

< 1 > ⚙

<input type="checkbox"/>	User name <a href="#">?</a>	Groups	Last activity
<input type="checkbox"/>	<a href="#">user-1</a>	1	None

CloudShell Feedback

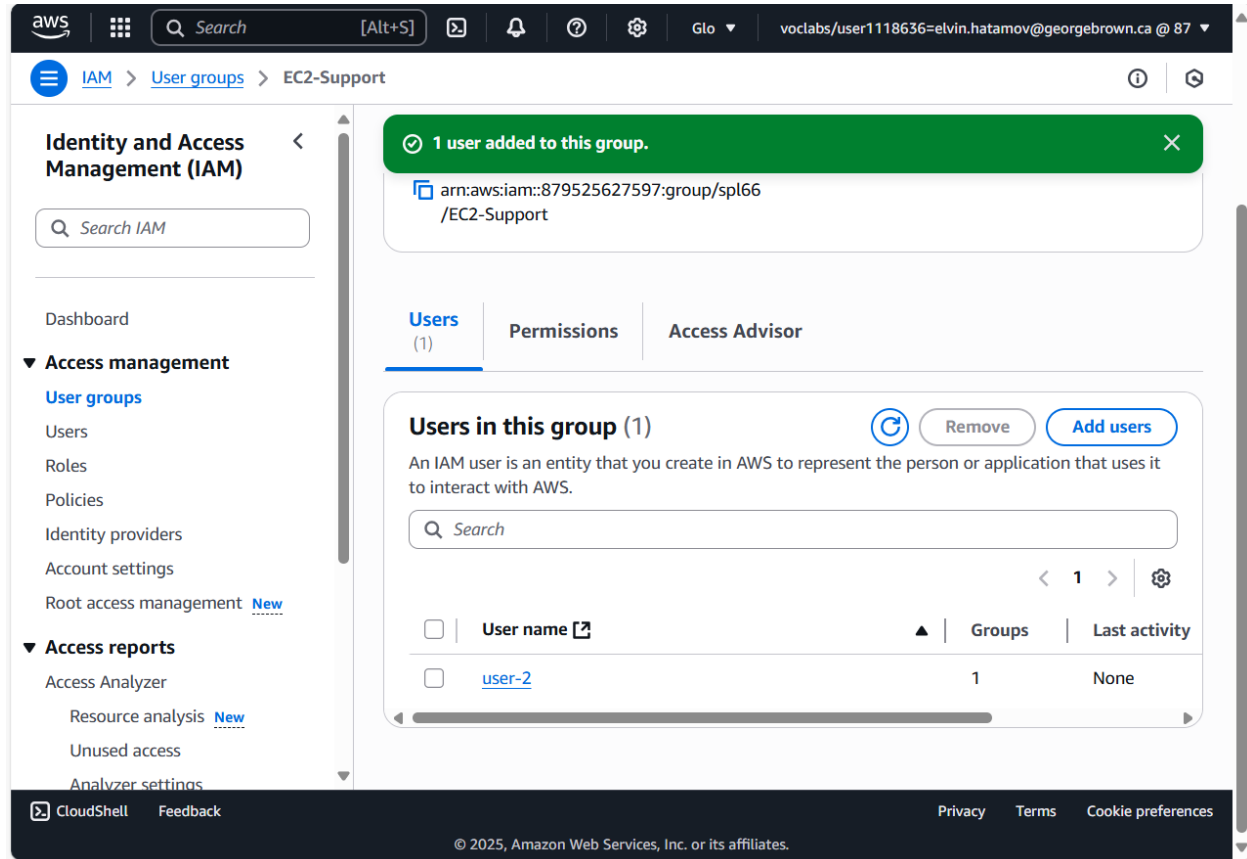
Privacy Terms Cookie preferences

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**Identity and Access Management (IAM)**

Search IAM

Dashboard

▼ Access management

- User groups
- Users
- Roles
- Policies
- Identity providers
- Account settings
- Root access management [New](#)

▼ Access reports

- Access Analyzer
- Resource analysis [New](#)
- Unused access
- Analyzer settings

**1 user added to this group.**

arn:aws:iam::879525627597:group/spl66/EC2-Support

**Users** (1) | Permissions | Access Advisor

**Users in this group (1)** [Refresh](#) [Remove](#) [Add users](#)

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

<input type="checkbox"/>	User name <a href="#">?</a>	Groups	Last activity
<input type="checkbox"/>	<a href="#">user-2</a>	1	None

CloudShell Feedback

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The screenshot displays the AWS IAM console interface. At the top, a green notification bar indicates '1 user added to this group.' Below this, the 'Users' tab is selected, showing a table with one user: 'user-3'. The left sidebar contains navigation links for Identity and Access Management (IAM), Access management, and Access reports.

**Identity and Access Management (IAM)**

- Dashboard
- ▼ Access management
  - User groups
  - Users
  - Roles
  - Policies
  - Identity providers
  - Account settings
  - Root access management [New](#)
- ▼ Access reports
  - Access Analyzer
  - Resource analysis [New](#)
  - Unused access
  - Analyzer settings

**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.

<input type="checkbox"/>	User name <a href="#">?</a>	Groups	Last activity
<input type="checkbox"/>	<a href="#">user-3</a>	1	None

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aws | Search [Alt+S] | voclabs/user1118636=elvin.hatamov@georgebrown.ca @ 879

Identity and Access Management (IAM) > Users

1 user added to this group.

Users (3) Info Delete Create user

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

Search

<input type="checkbox"/>	User name	Path	Group: ▾	Last activity
<input type="checkbox"/>	<a href="#">user-1</a>	/spl66/	1	-
<input type="checkbox"/>	<a href="#">user-2</a>	/spl66/	1	-
<input type="checkbox"/>	<a href="#">user-3</a>	/spl66/	1	-

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### Task 3: Sign in and test user permissions

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The screenshot displays the Amazon S3 console interface. At the top, the AWS logo and navigation bar are visible, including a search bar, a user profile dropdown (highlighted with a red circle), and the region 'United States (N. Virginia)'. The breadcrumb trail shows the path: Amazon S3 > Buckets > c168639a4340552l10953949t1w879525627597-s3bucket-njwkpfoyf7en. The left sidebar contains the 'Amazon S3' menu with options like 'General purpose buckets', 'Directory buckets', 'Table buckets', 'Vector buckets', 'Access Grants', 'Access Points for general purpose buckets', 'Access Points for directory buckets', 'Object Lambda Access Points', 'Multi-Region Access Points', 'Batch Operations', and 'IAM Access Analyzer for S3'. The main content area shows the bucket 'c168639a4340552l10953949t1w879525627597-s3bucket-njwkpfoyf7en' with tabs for 'Objects', 'Metadata', 'Properties', 'Permissions', 'Metrics', and 'Ma'. The 'Objects' tab is active, displaying 'Objects (0)' and a toolbar with buttons for 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. A text block explains that objects are the fundamental entities stored in Amazon S3 and provides a link to 'Amazon S3 inventory'. Below this is a search bar 'Find objects by prefix' and a table header with columns: Name, Type, Last modified, Size, and Storage class. The table is currently empty, showing 'No objects' and the message 'You don't have any objects in this bucket.' The footer includes 'CloudShell', 'Feedback', 'Privacy', 'Terms', and 'Cookie preferences'.

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The screenshot displays the AWS Management Console interface. At the top, the navigation bar includes the AWS logo, a search bar, and the user profile 'user-1 @ 8795-2562-7597' which is circled in red. The breadcrumb trail shows the path: Amazon S3 > Buckets > c168639a4340552l10953949t1w879525627597-s3bucket-njwkpfoyf7en. The left-hand navigation pane lists various S3 features, with 'General purpose buckets' expanded. The main content area is titled 'c168639a4340552l10953949t1w879525627597-s3bucket-njwkpfoyf7en' and has tabs for Metadata, Properties, Permissions (selected), Metrics, and Management. Under the 'Permissions overview' section, there is an 'Access finding' card and a 'Block public access (bucket settings)' card. The 'Block all public access' setting is shown as 'On' with a green checkmark. An 'Edit' button is visible next to the bucket settings card. The footer contains links for CloudShell, Feedback, Privacy, Terms, and Cookie preferences.

aws Search [Alt+S] United States (N. Virginia) user-1 @ 8795-2562-7597

Amazon S3 > Buckets > c168639a4340552l10953949t1w879525627597-s3bucket-njwkpfoyf7en

Amazon S3

General purpose buckets

Directory buckets

Table buckets

Vector buckets [Preview](#)

Access Grants

Access Points for general purpose buckets

Access Points for directory buckets

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

c168639a4340552l10953949t1w879525627597-s3bucket-njwkpfoyf7en [Info](#)

< Metadata Properties **Permissions** Metrics Management >

**Permissions overview**

**Access finding**

Access findings are provided by IAM external access analyzers. Learn more about [How IAM analyzer findings work](#)

[View analyzer for us-east-1](#)

**Block public access (bucket settings)** [Edit](#)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

**Block all public access**

✓ On

CloudShell Feedback Privacy Terms Cookie preferences



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The screenshot shows the AWS Management Console interface. At the top, the navigation bar includes the AWS logo, a search bar, and the user profile 'user-1 @ 8795-2562-7597' which is circled in red. The left-hand navigation pane shows the 'EC2' section expanded, with 'Instances' selected. The main content area is titled 'Instances' and features buttons for 'Connect', 'Instance state', 'Actions', and 'Launch instances'. A search bar is present with the filter 'Instance state = running' applied. Below the search bar, a table header is visible with columns for Name, Instance ID, Instance state, and Instance type. A large red error box is displayed in the center of the page, stating: 'You are not authorized to perform this operation. User: arn:aws:iam::879525627597:user/spl66/user-1 is not authorized to perform: ec2:DescribeInstances because no identity-based policy allows the ec2:DescribeInstances action'. The error box includes 'Retry' and 'Diagnose with Amazon Q' buttons. At the bottom of the console, there is a 'Select an instance' section and a footer with 'CloudShell', 'Feedback', 'Privacy', 'Terms', and 'Cookie preferences' links.

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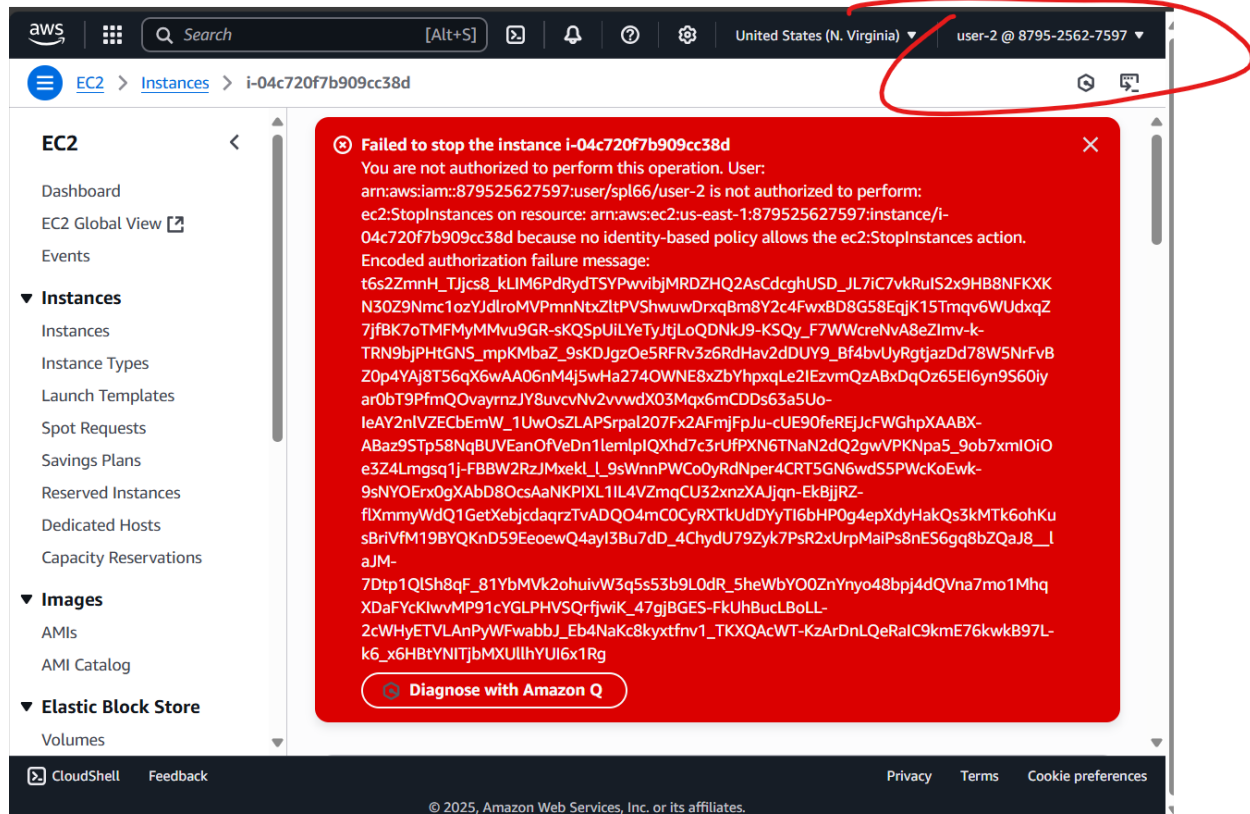
The screenshot displays the Amazon AWS Management Console interface for the EC2 service. The top navigation bar shows the user profile 'user-2 @ 8795-2562-7597' circled in red. The main content area is titled 'Instances (1)' and includes a search bar, filters, and a table of instances. The table shows one instance with ID 'i-04c720f7b909cc38d' in a 'Running' state, using a 't2.micro' instance type. The left sidebar contains navigation links for EC2 services, and the bottom footer includes copyright information for Amazon Web Services, Inc.

Name	Instance ID	Instance state	Instance type
	i-04c720f7b909cc38d	Running	t2.micro

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The screenshot shows the Amazon S3 console in the us-east-1 region. The user is logged in as 'user-2 @ 8795-2562-7597'. The left sidebar shows the 'Amazon S3' menu with options like 'General purpose buckets', 'Directory buckets', 'Table buckets', 'Vector buckets', 'Access Grants', 'Access Points for general purpose buckets', 'Access Points for directory buckets', 'Object Lambda Access Points', 'Multi-Region Access Points', 'Batch Operations', and 'IAM Access Analyzer for S3'. The main content area is titled 'General purpose buckets (0)' and includes a search bar, a table with columns 'Name', 'AWS Region', and 'Creation date', and a 'Create bucket' button. A red box highlights an 'Error' message: 'Access Denied' with a 'Diagnose with Amazon Q' button. Below the error is an 'Account snapshot' section with a 'View dashboard' button. The footer shows 'CloudShell', 'Feedback', 'Privacy', 'Terms', 'Cookie preferences', and '© 2025, Amazon Web Services, Inc. or its affiliates.'

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The screenshot displays the AWS Management Console for the 'us-east-1' region. The top navigation bar shows the user is logged in as 'user-3 @ 8795-2562-7597' in the 'United States (N. Virginia)' region. A red circle highlights the user profile and region dropdown in the top right corner. The main content area shows the 'Instances' page with a table of instances. One instance is listed: 'i-04c720f7b909cc38d' with a state of 'Stopped' and an instance type of 't2.micro'. Below the table, the details for this instance are shown, including the Instance ID, Public IPv4 address, Private IPv4 addresses, and Instance state.

Name	Instance ID	Instance state	Instance type
<input checked="" type="checkbox"/>	i-04c720f7b909cc38d	Stopped	t2.micro

**i-04c720f7b909cc38d**

**Instance summary**

Instance ID	Public IPv4 address	Private IPv4 addresses
i-04c720f7b909cc38d	-	10.1.11.132
IPv6 address	Instance state	Public DNS
-	Stopped	-