

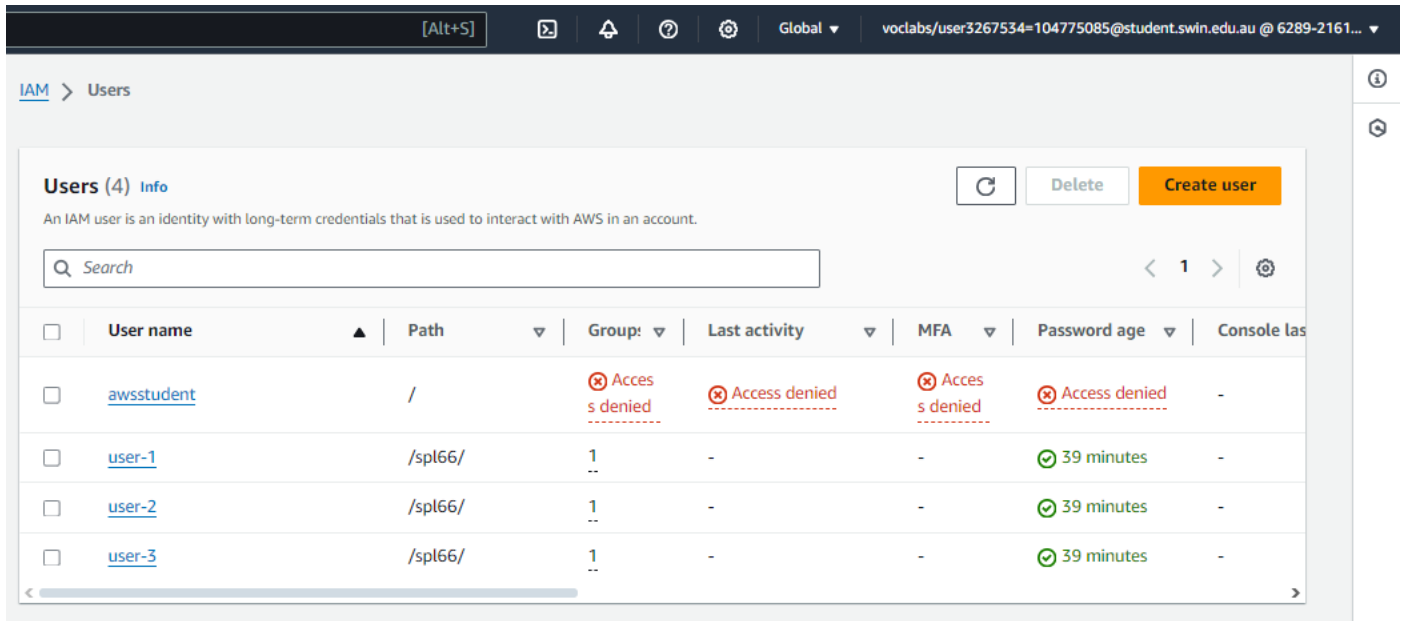
## Week 6 – Lab: Lab 1: Introduction to AWS IAM

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**Student ID: 104775085**

**Date: 19/06/2024**

### Task 1: Explore the Users and Groups

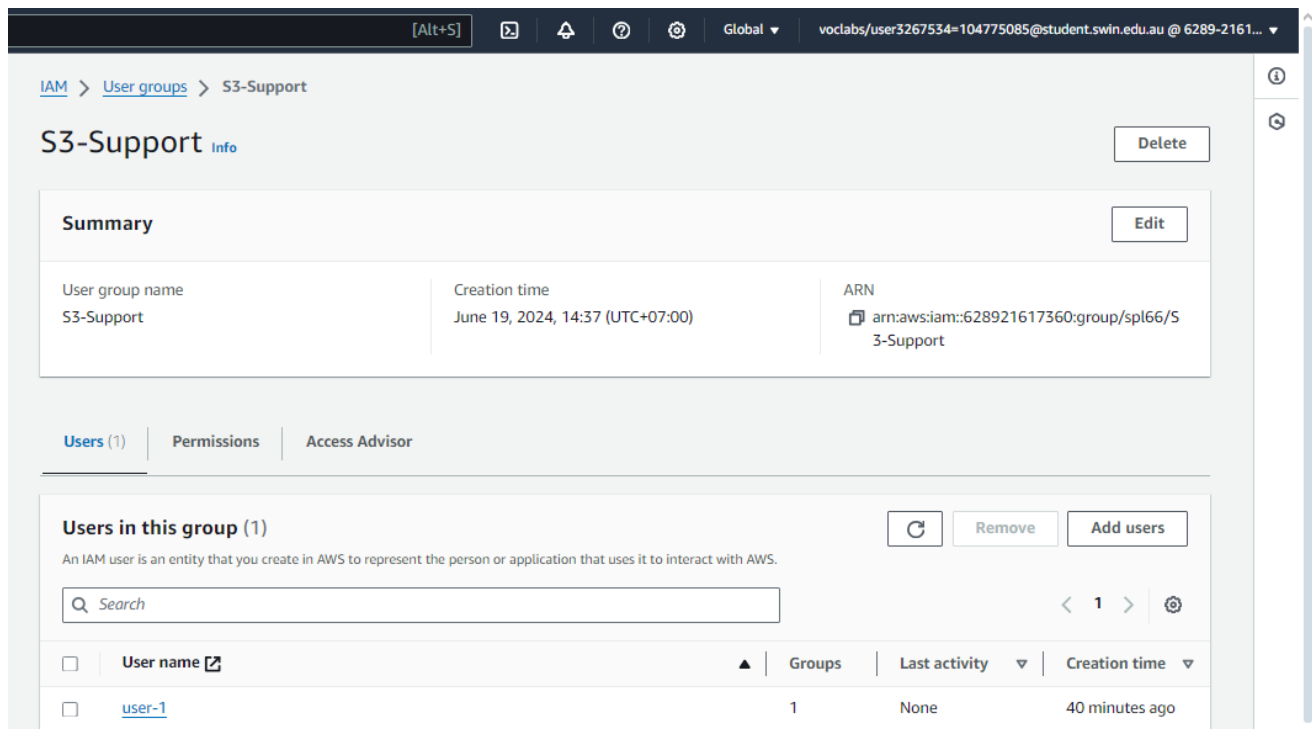


The screenshot shows the AWS IAM console interface. At the top, there's a navigation bar with the IAM logo and a breadcrumb trail 'IAM > Users'. Below this, the 'Users (4)' section is visible, with a description: 'An IAM user is an identity with long-term credentials that is used to interact with AWS in an account.' To the right of the description are buttons for 'Refresh', 'Delete', and 'Create user'. A search bar is present below the description. The main content is a table with columns: 'User name', 'Path', 'Group', 'Last activity', 'MFA', 'Password age', and 'Console last'. The table lists four users: 'awsstudent', 'user-1', 'user-2', and 'user-3'. The 'awsstudent' user has 'Access denied' status in the 'Group', 'Last activity', 'MFA', and 'Password age' columns. The other three users have a 'Group' of 'spl66/' and a 'Password age' of '39 minutes'.

<input type="checkbox"/>	User name	Path	Group	Last activity	MFA	Password age	Console last
<input type="checkbox"/>	<a href="#">awsstudent</a>	/	⊗ Access denied	⊗ Access denied	⊗ Access denied	⊗ Access denied	-
<input type="checkbox"/>	<a href="#">user-1</a>	/spl66/	1	-	-	✓ 39 minutes	-
<input type="checkbox"/>	<a href="#">user-2</a>	/spl66/	1	-	-	✓ 39 minutes	-
<input type="checkbox"/>	<a href="#">user-3</a>	/spl66/	1	-	-	✓ 39 minutes	-

*Figure 1: Users creation*

## Task 2: Add Users to Groups



The screenshot shows the AWS IAM console interface. At the top, the breadcrumb navigation is 'IAM > User groups > S3-Support'. The main heading is 'S3-Support' with an 'Info' link and a 'Delete' button. Below this is a 'Summary' section with an 'Edit' button. The summary table contains the following information:

User group name	Creation time	ARN
S3-Support	June 19, 2024, 14:37 (UTC+07:00)	arn:aws:iam::628921617360:group/spl66/S3-Support

Below the summary, there are three tabs: 'Users (1)', 'Permissions', and 'Access Advisor'. The 'Users (1)' tab is selected. It shows a section titled 'Users in this group (1)' with a description: 'An IAM user is an entity that you create in AWS to represent the person or application that uses it to interact with AWS.' There are buttons for 'Refresh', 'Remove', and 'Add users'. A search bar is present with the text 'Search'. Below the search bar is a table with the following columns: 'User name', 'Groups', 'Last activity', and 'Creation time'.

<input type="checkbox"/>	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	<a href="#">user-1</a>	1	None	40 minutes ago

Figure 2: Attach user-1 to S3 Support user groups.

[Alt+S] [Icons] Global ▼ voclabs/user3267534=104775085@student.swin.edu.au @ 6289-2161...

IAM > User groups > EC2-Support

## EC2-Support [Info](#)

[Delete](#)

### Summary

[Edit](#)

User group name	Creation time	ARN
EC2-Support	June 19, 2024, 14:37 (UTC+07:00)	arn:aws:iam::628921617360:group/spl66/E C2-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.

[Refresh](#) [Remove](#) [Add users](#)

< 1 > [Settings](#)

<input type="checkbox"/>	User name <a href="#">↗</a>	Groups	Last activity ▼	Creation time ▼
<input type="checkbox"/>	<a href="#">user-2</a>	1	None	43 minutes ago

Figure 3: Attach user-2 to EC2-Support user groups.

[Alt+S] [Icons] Global ▼ voclabs/user3267534=104775085@student.swin.edu.au @ 6289-2161...

IAM > User groups > EC2-Admin

## EC2-Admin [Info](#)

[Delete](#)

### Summary

[Edit](#)

User group name	Creation time	ARN
EC2-Admin	June 19, 2024, 14:37 (UTC+07:00)	arn:aws:iam::628921617360:group/spl66/E C2-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.

[Refresh](#) [Remove](#) [Add users](#)

< 1 > [Settings](#)

<input type="checkbox"/>	User name <a href="#">↗</a>	Groups	Last activity ▼	Creation time ▼
<input type="checkbox"/>	<a href="#">user-3</a>	1	None	43 minutes ago

Figure 4: Attach user-3 to EC2-Admin user groups.

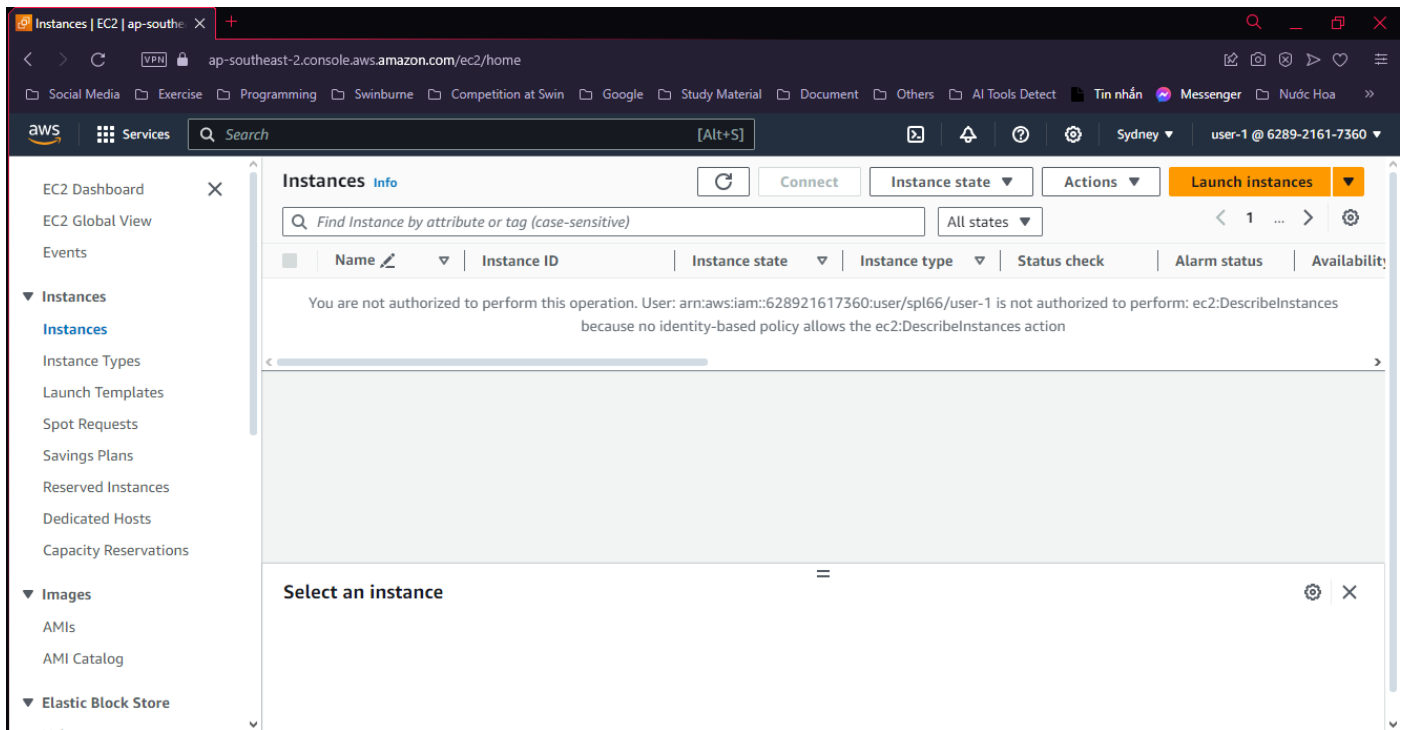


Figure 5: User 1 cannot view EC2 Instances.

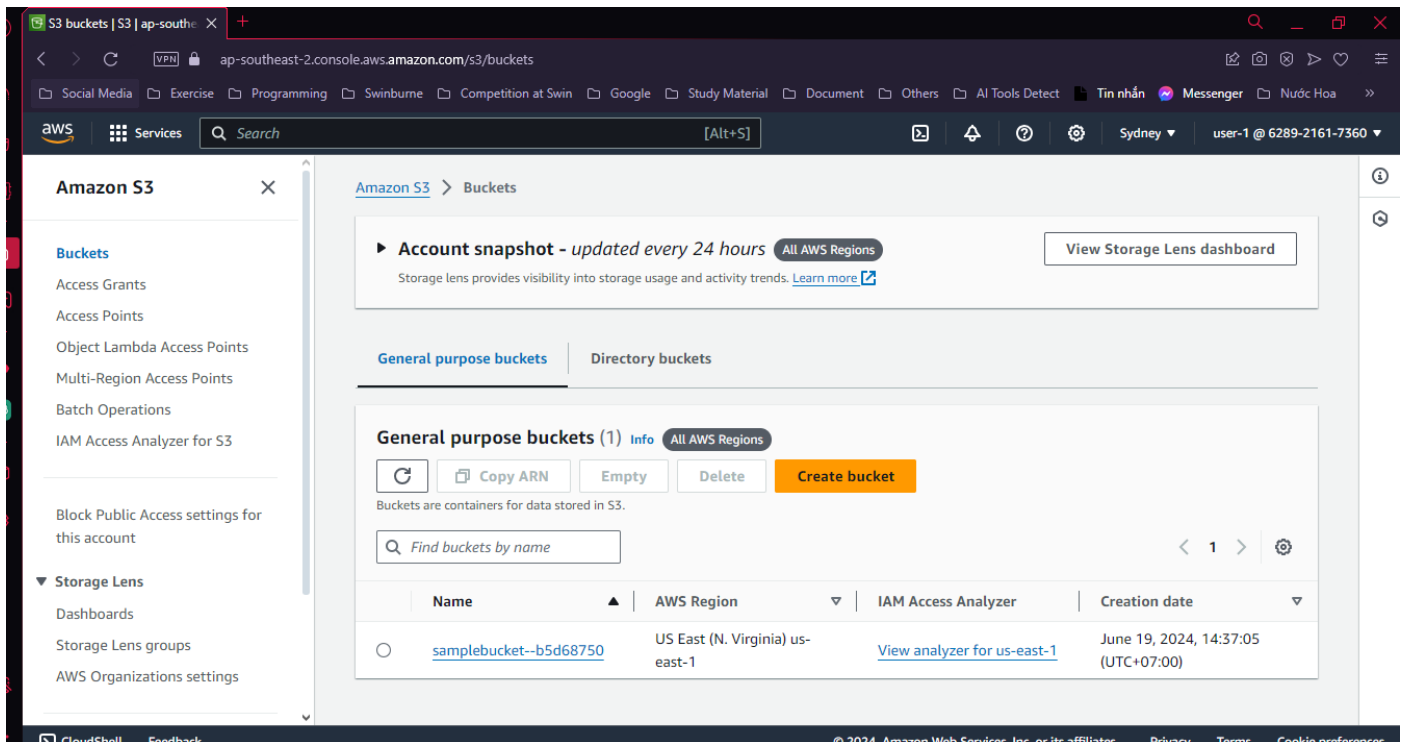


Figure 6: User 1 can view S3 bucket.

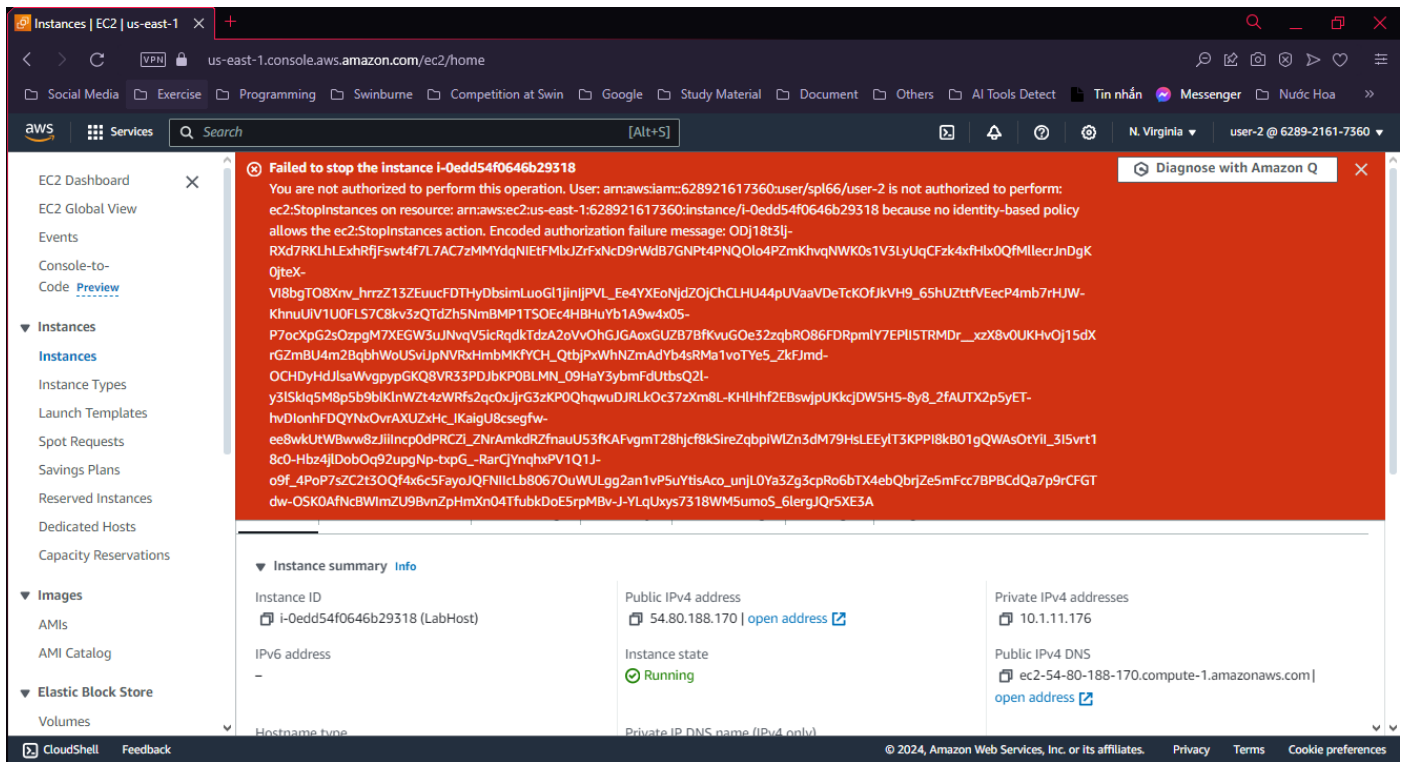


Figure 7: User 2 cannot stop the instance.

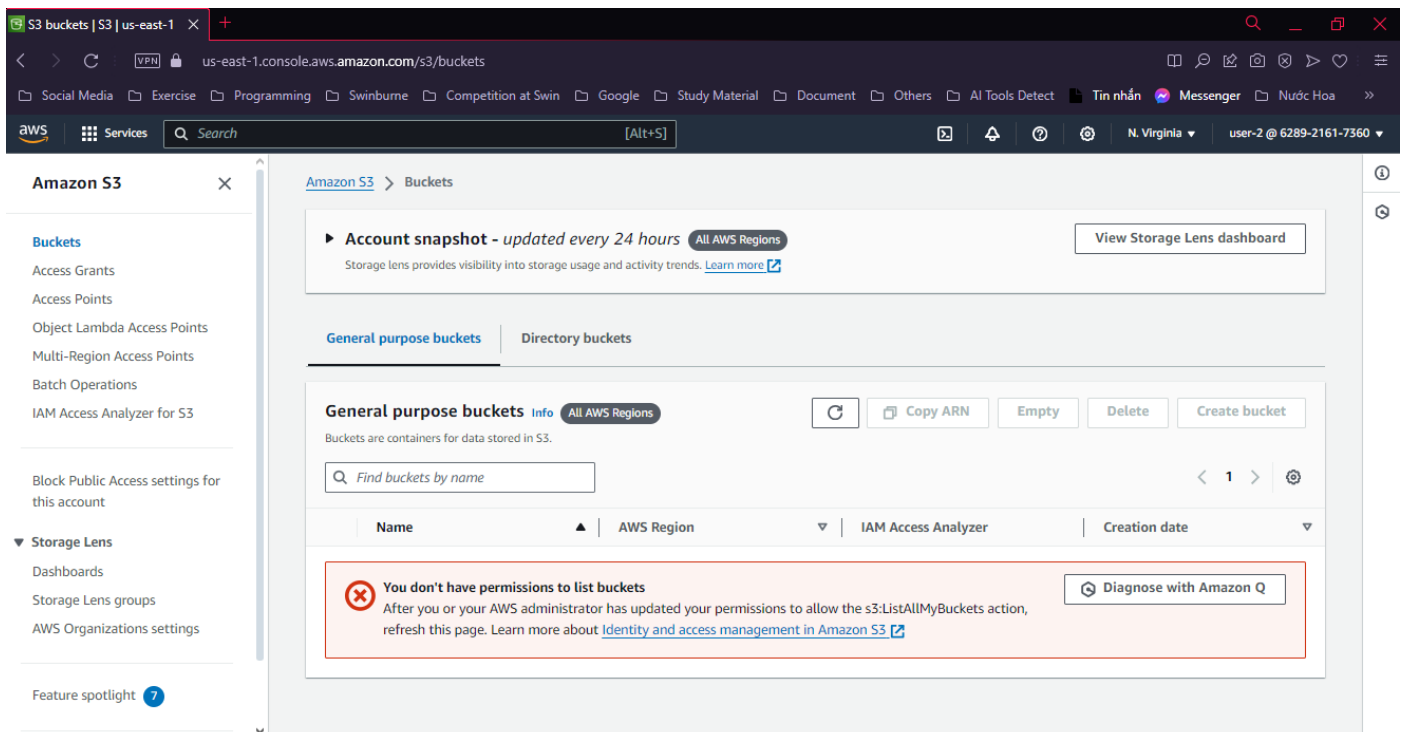


Figure 8: User 2 cannot view S3 buckets.

us-east-1.console.aws.amazon.com/ec2/home

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 stopping of i-0edd54f0646b29318

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
<input checked="" type="checkbox"/>	LabHost	i-0edd54f0646b29318	Stopping	t2.micro	2/2 checks passed	User: arn:aws:iam::123456789012:user:ec2-user	us-east-1a	ec2-54
<input type="checkbox"/>	Bastion Host	i-0b5d82161d79bd456	Running	t2.micro	2/2 checks passed	User: arn:aws:iam::123456789012:user:ec2-user	us-east-1a	ec2-3-5

i-0edd54f0646b29318 (LabHost)

Details Status and alarms Monitoring Security Networking Storage Tags

▼ Instance summary Info

Instance ID	Public IPv4 address	Private IPv4 addresses
i-0edd54f0646b29318 (LabHost)	54.80.188.170   <a href="#">open address</a>	10.1.11.176
IPv6 address	Instance state	Public IPv4 DNS
-	Stopping	ec2-54-80-188-170.compute-1.amazonaws.com   <a href="#">open address</a>
Hostname type	Private IP DNS name (IPv4 only)	

CloudShell Feedback

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Figure 9: User 3 successfully stops the instance.

01:06

▶ Start Lab

■ End Lab

i AWS Details

i Details



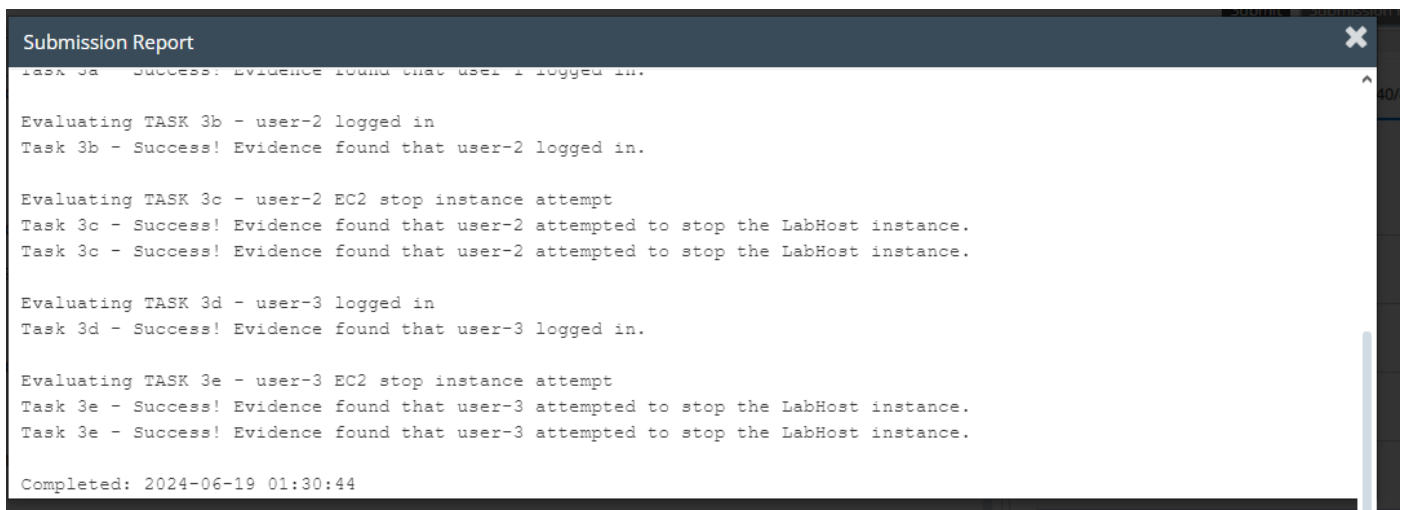
Submit

Submission Report

Grades

Total score		40/40
TASK 2a - Added user-1 to S3-Support group		5/5
TASK 2b - Added user-2 to EC2-Support group		5/5
TASK 2c - Added user-3 to EC2-Admin group		5/5
TASK 3a - user-1 logged in		5/5
TASK 3b - user-2 logged in		5/5
TASK 3c - user-2 ec2 stop instance attempt		5/5
TASK 3d - user-3 logged in		5/5
TASK 3e - user-3 EC2 stop instance attempt		5/5

*Figure 10: Score after submission.*



*Figure 10: Submission report.*