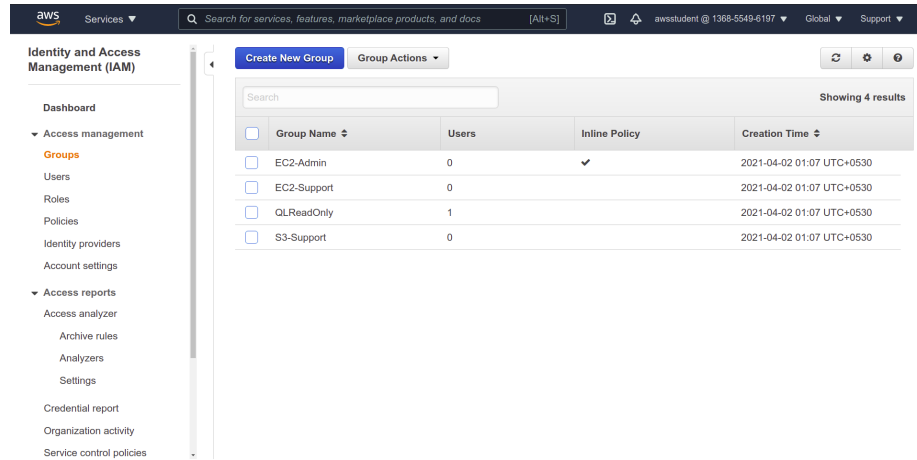


# Cloud Computing Lab 11 Report

PES1201800366

Aditeya Baral

## 1 Exploring Users and Groups



The screenshot displays the AWS IAM console interface. On the left, the navigation menu includes 'Dashboard', 'Access management' (with 'Groups' highlighted), 'Users', 'Roles', 'Policies', 'Identity providers', 'Account settings', 'Access reports', 'Access analyzer', 'Archive rules', 'Analyzers', 'Settings', 'Credential report', 'Organization activity', and 'Service control policies'. The main content area shows the 'Groups' page with a 'Create New Group' button and a 'Group Actions' dropdown. A search bar is present, and the results are displayed in a table with columns: 'Group Name', 'Users', 'Inline Policy', and 'Creation Time'. The table shows four groups: 'EC2-Admin' (0 users), 'EC2-Support' (0 users), 'QLReadOnly' (1 user), and 'S3-Support' (0 users). All groups were created on 2021-04-02 at 01:07 UTC+0530.

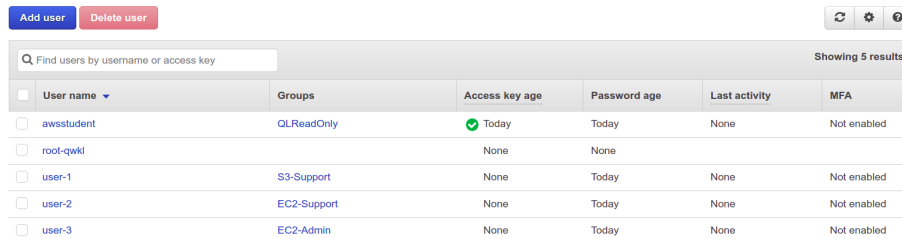
	Group Name	Users	Inline Policy	Creation Time
<input type="checkbox"/>	EC2-Admin	0	✓	2021-04-02 01:07 UTC+0530
<input type="checkbox"/>	EC2-Support	0		2021-04-02 01:07 UTC+0530
<input type="checkbox"/>	QLReadOnly	1		2021-04-02 01:07 UTC+0530
<input type="checkbox"/>	S3-Support	0		2021-04-02 01:07 UTC+0530

Figure 1: Groups with zero users



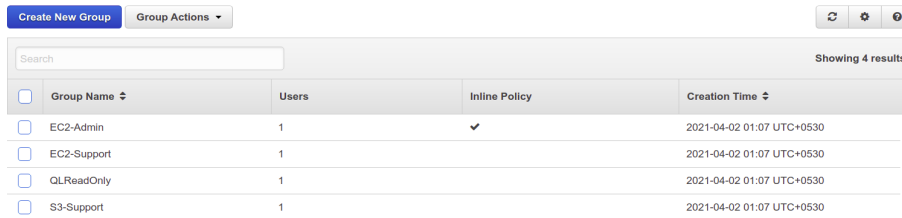
Figure 2: EC2-Support group policy

## 2 Adding Users to Groups



<input type="checkbox"/>	User name ▾	Groups	Access key age	Password age	Last activity	MFA
<input type="checkbox"/>	awsstudent	QLReadOnly	✓ Today	Today	None	Not enabled
<input type="checkbox"/>	root-qwkl		None	None		
<input type="checkbox"/>	user-1	S3-Support	None	Today	None	Not enabled
<input type="checkbox"/>	user-2	EC2-Support	None	Today	None	Not enabled
<input type="checkbox"/>	user-3	EC2-Admin	None	Today	None	Not enabled

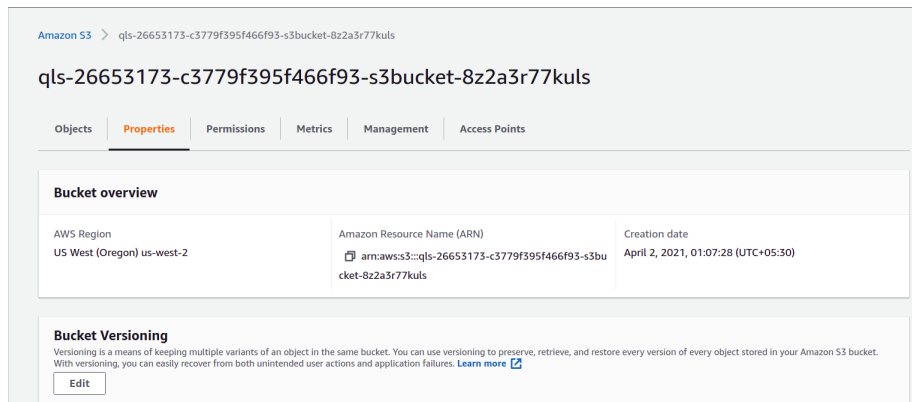
Figure 3: Users added to groups



<input type="checkbox"/>	Group Name ↕	Users	Inline Policy	Creation Time ↕
<input type="checkbox"/>	EC2-Admin	1	✓	2021-04-02 01:07 UTC+0530
<input type="checkbox"/>	EC2-Support	1		2021-04-02 01:07 UTC+0530
<input type="checkbox"/>	QLReadOnly	1		2021-04-02 01:07 UTC+0530
<input type="checkbox"/>	S3-Support	1		2021-04-02 01:07 UTC+0530

Figure 4: All groups have one user

## 3 Testing User Access




Amazon S3 > qls-26653173-c3779f395f466f93-s3bucket-8z2a3r77kuls

qls-26653173-c3779f395f466f93-s3bucket-8z2a3r77kuls

Objects | **Properties** | Permissions | Metrics | Management | Access Points

**Bucket overview**

AWS Region US West (Oregon) us-west-2	Amazon Resource Name (ARN)  arn:aws:s3::qls-26653173-c3779f395f466f93-s3bucket-8z2a3r77kuls	Creation date April 2, 2021, 01:07:28 (UTC+05:30)
--	---	--

**Bucket Versioning**  
Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. [Learn more](#)

[Edit](#)

Figure 5: User-1 has view access to S3-Bucket

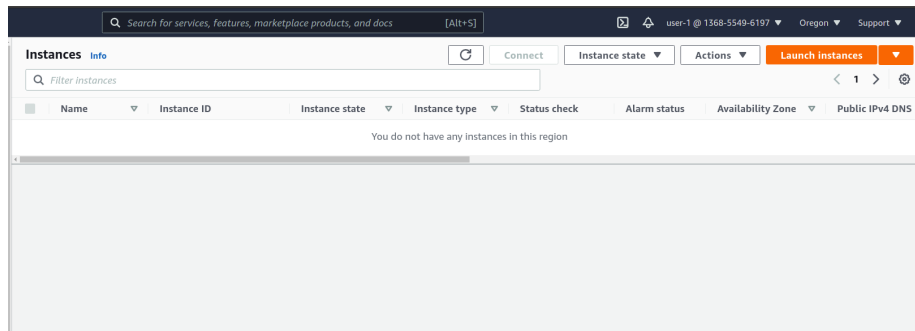


Figure 6: User-1 does not have view access to EC2 instances

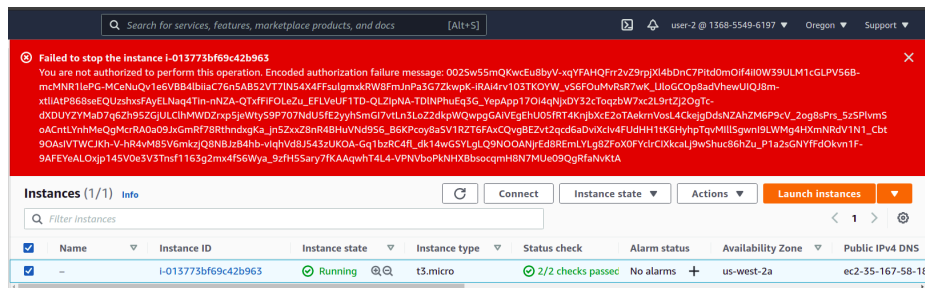


Figure 7: User-2 has view access to EC2 instances, but cannot stop instances

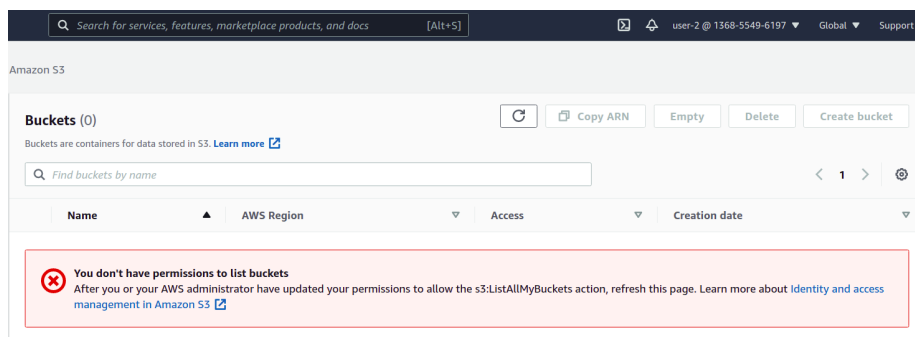


Figure 8: User-2 does not have view access to S3-Bucket

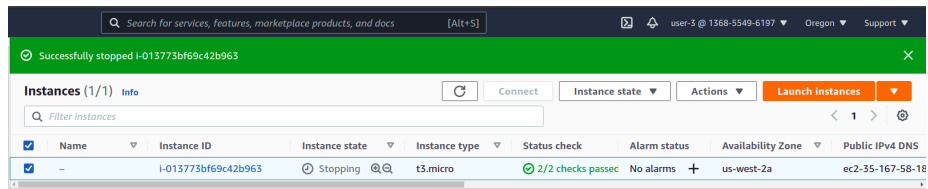


Figure 9: User-3 is able to stop instances

## 4 Lab Completion

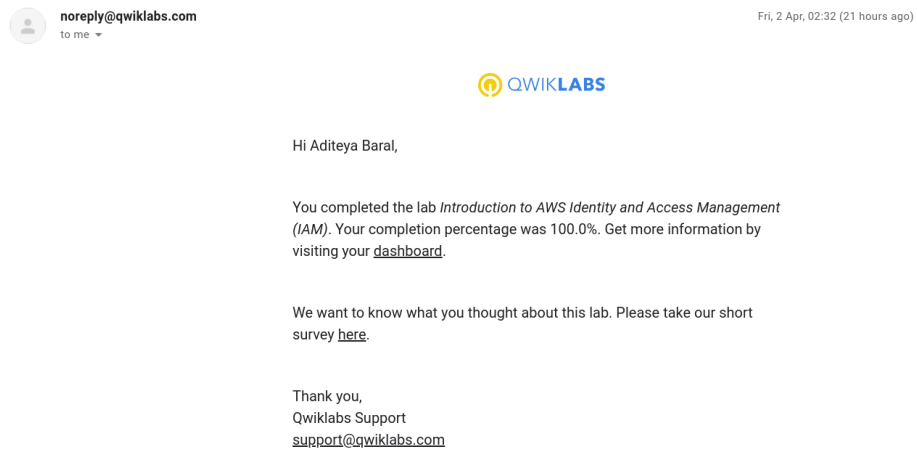


Figure 10: Qwiklabs confirmation email received