

# Cloud Computing Laboratory

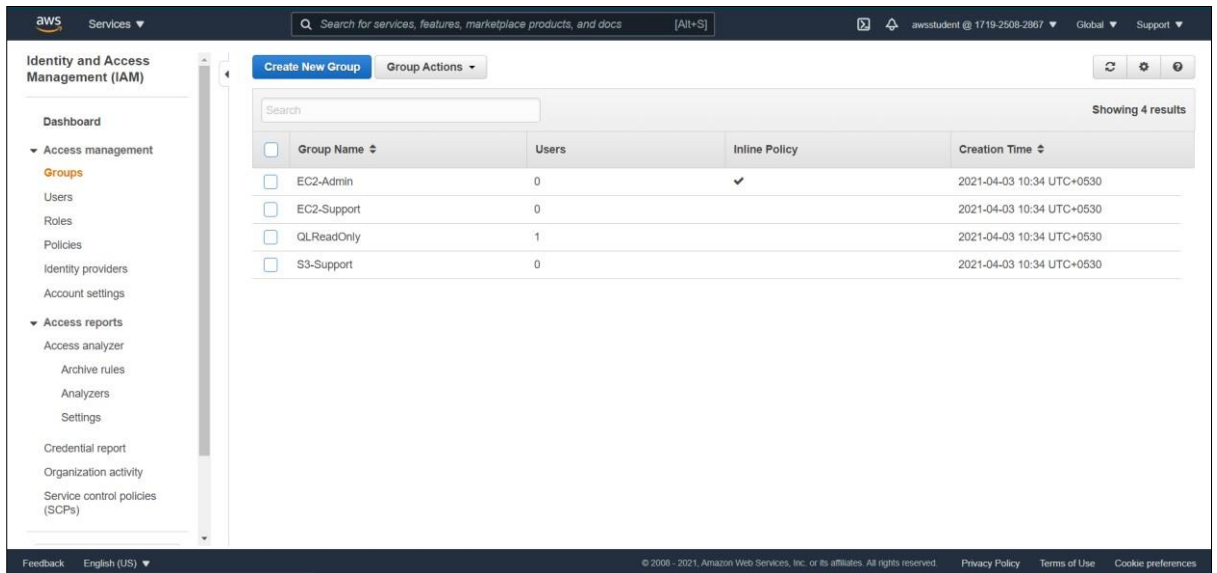
Name: K. Sreesh Reddy

Section: E

SRN: PES1201801580

## 1. Explore the Users and Groups

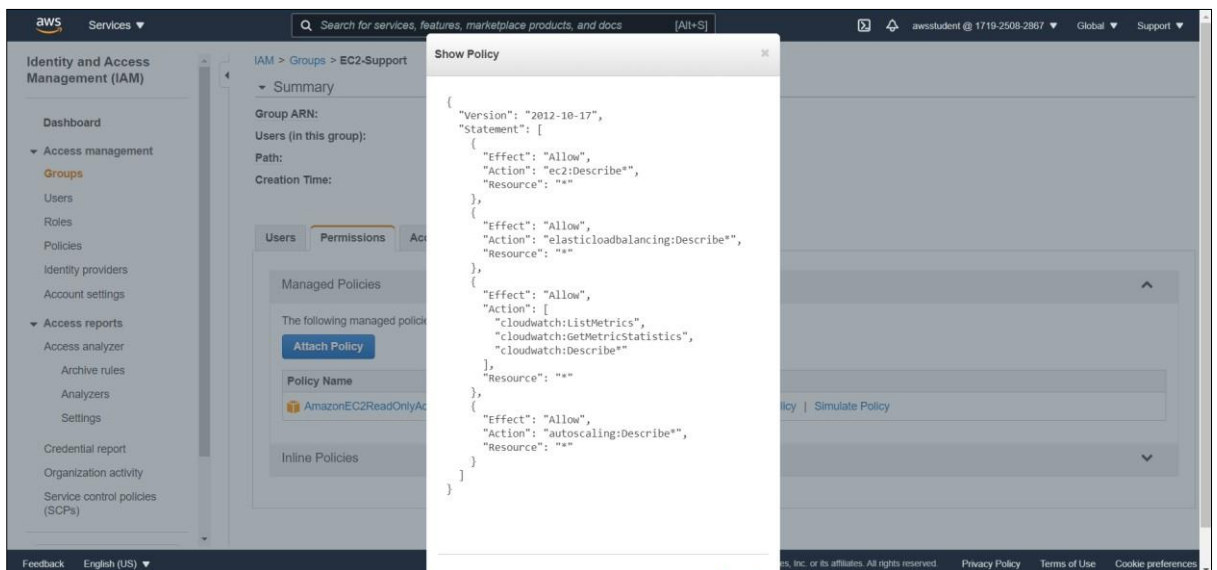
1a.png - list of groups showing that they have zero users in each group



The screenshot shows the AWS IAM console 'Groups' page. A table lists four groups: EC2-Admin, EC2-Support, QLReadOnly, and S3-Support. The 'Users' column for all groups shows '0'. The 'Creation Time' for all groups is '2021-04-03 10:34 UTC+0530'.

<input type="checkbox"/>	Group Name	Users	Inline Policy	Creation Time
<input type="checkbox"/>	EC2-Admin	0	✓	2021-04-03 10:34 UTC+0530
<input type="checkbox"/>	EC2-Support	0		2021-04-03 10:34 UTC+0530
<input type="checkbox"/>	QLReadOnly	1		2021-04-03 10:34 UTC+0530
<input type="checkbox"/>	S3-Support	0		2021-04-03 10:34 UTC+0530

1b.png - Showing policy for EC2-Support group.

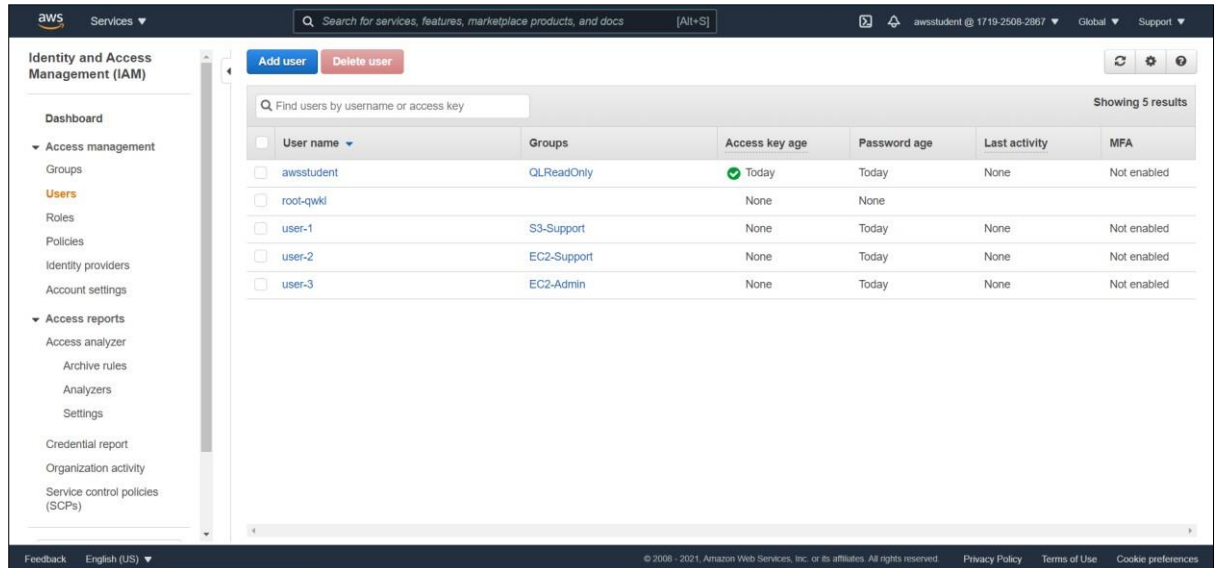


The screenshot shows the 'Show Policy' dialog for the EC2-Support group. The policy is a JSON document with three statements, each allowing a specific action on all resources (\*).

```
{
  "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*"
      ],
      "Resource": "*"
    },
    {
      "Effect": "Allow",
      "Action": "autoscaling:Describe*",
      "Resource": "*"
    }
  ]
}
```

## 2. Add Users to the Groups

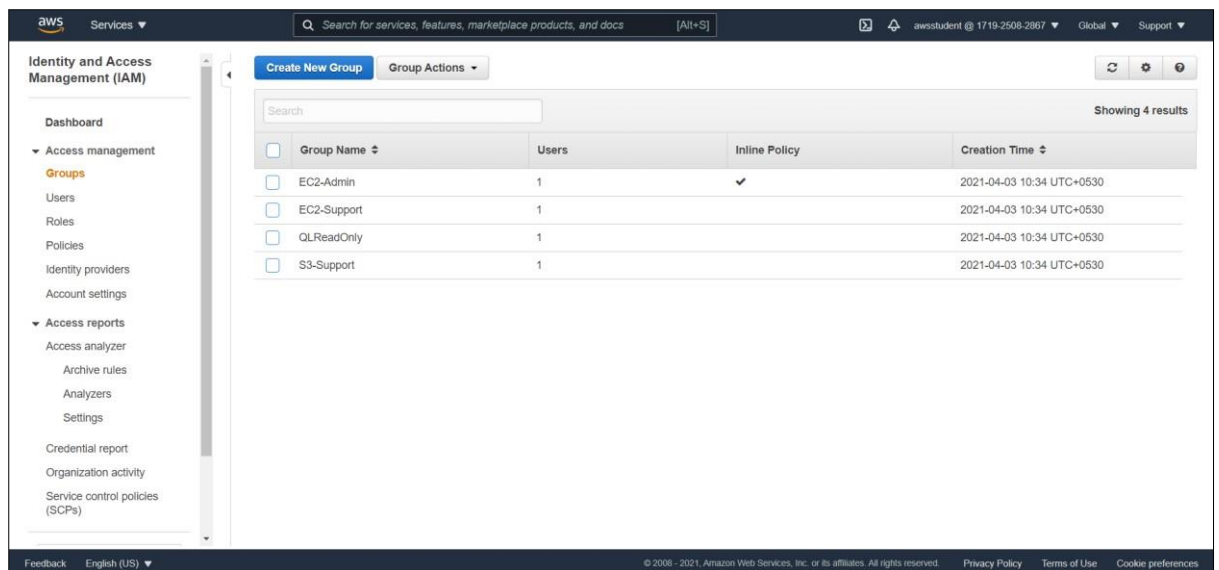
2a.png - Showing each user with the groups they have been added to.



The screenshot shows the AWS IAM console with the 'Users' page selected. A table lists five users and the groups they belong to. The 'awsstudent' user is associated with the 'QLReadOnly' group. The other users are associated with 'S3-Support', 'EC2-Support', and 'EC2-Admin' groups respectively.

User name	Groups	Access key age	Password age	Last activity	MFA
awsstudent	QLReadOnly	Today	Today	None	Not enabled
root-qwkl		None	None		
user-1	S3-Support	None	Today	None	Not enabled
user-2	EC2-Support	None	Today	None	Not enabled
user-3	EC2-Admin	None	Today	None	Not enabled

2b.png - Showing each group having one user.

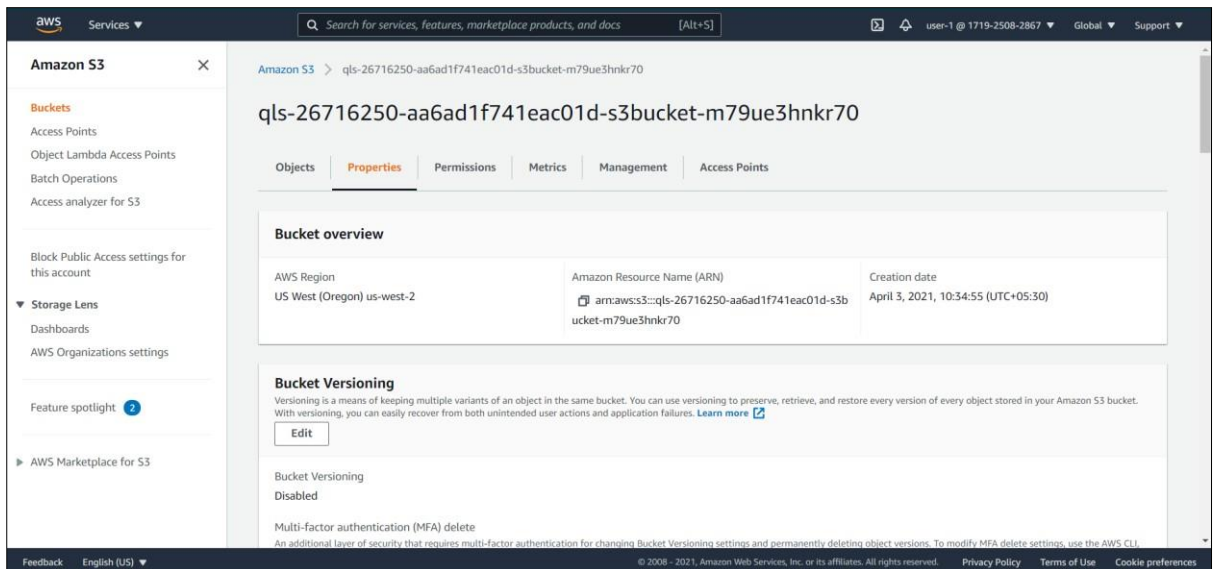


The screenshot shows the AWS IAM console with the 'Groups' page selected. A table lists four groups and the number of users associated with each. Each group has exactly one user associated with it.

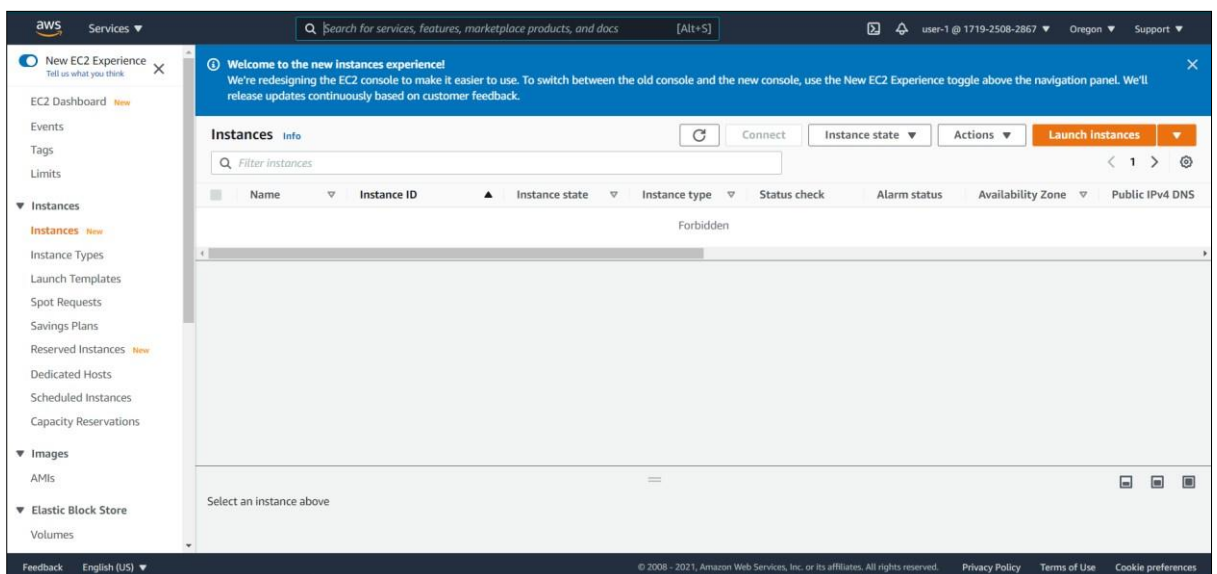
Group Name	Users	Inline Policy	Creation Time
EC2-Admin	1	✓	2021-04-03 10:34 UTC+0530
EC2-Support	1		2021-04-03 10:34 UTC+0530
QLReadOnly	1		2021-04-03 10:34 UTC+0530
S3-Support	1		2021-04-03 10:34 UTC+0530

## 3. Testing User Access

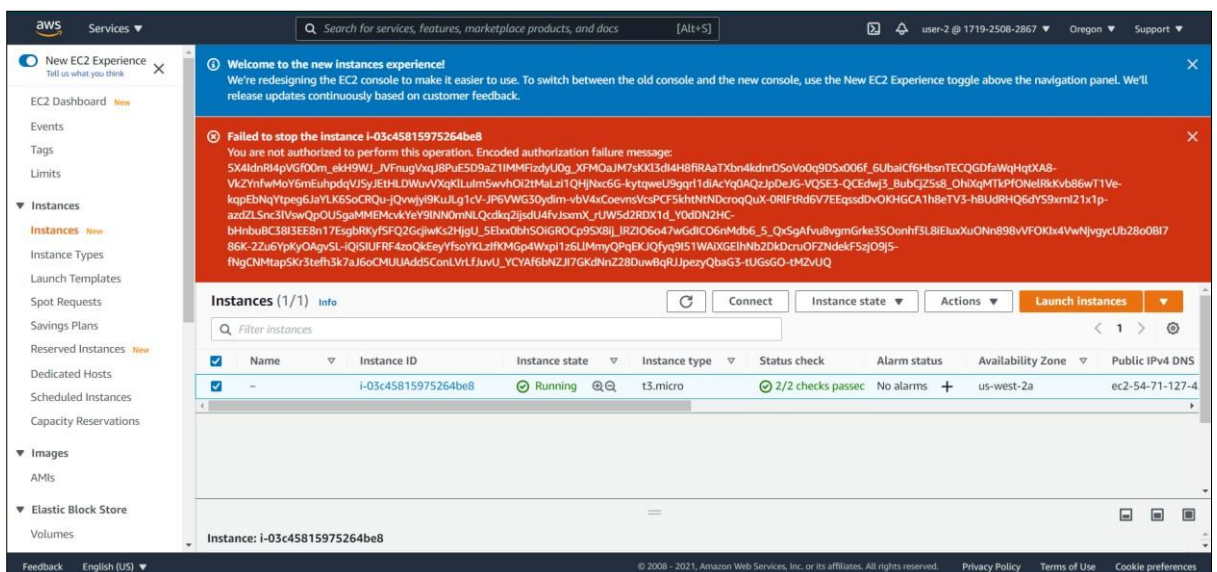
3a.png-Showing User-1 having access to view details S3-Bucket



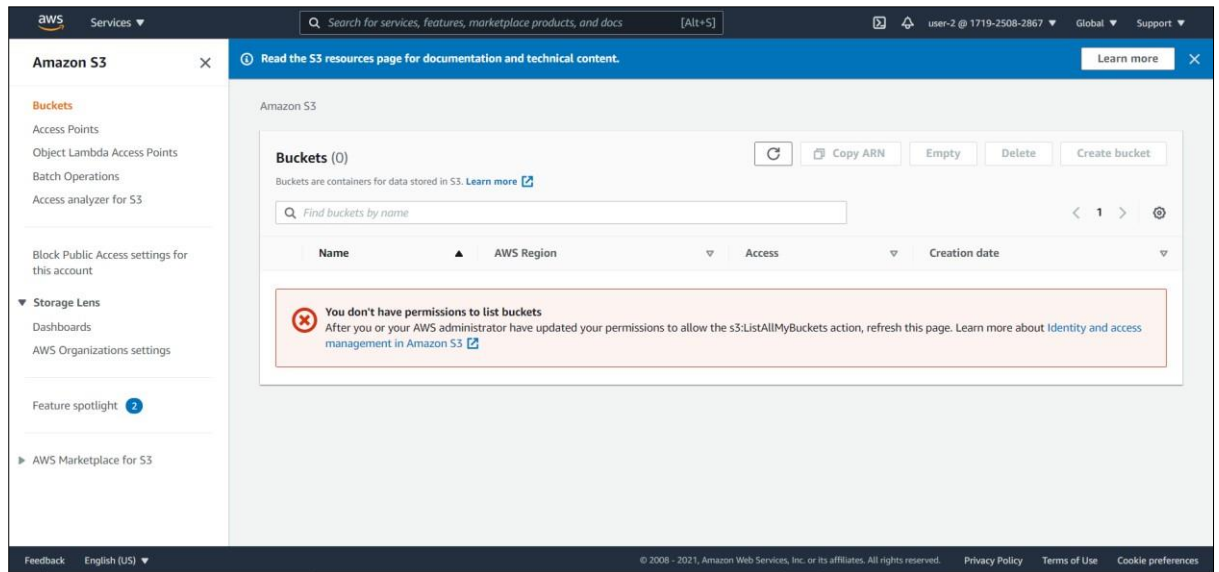
3b.png-Showing User-1 having NO access to view details EC-2 Instances



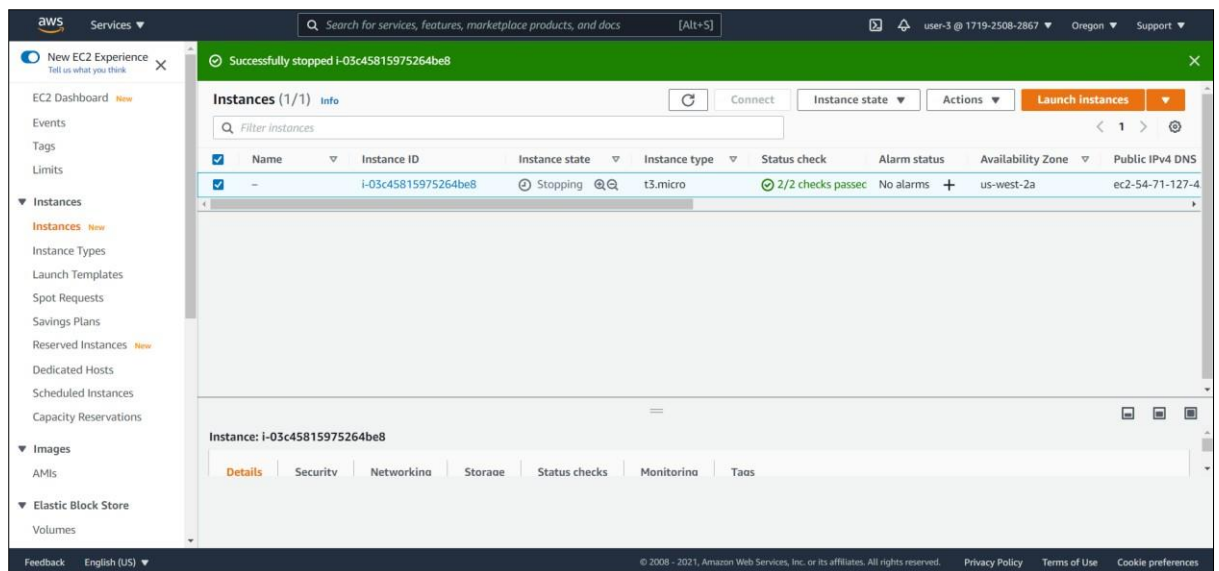
3c.png-Showing User-2 having access view details EC-2 Instances, but not able to stop instance.



### 3d.png-Showing User-2 having NO access view details S3-Bucket.



### 3e.png-Showing User-3 having able to stop instance, since the user is an admin



IAM User sign-in link: <https://171925082867.signin.aws.amazon.com/console>

4a.png or 4a.jpg – Showing email confirmation from QWIKLABS for having completed the lab successfully. The SS should clearly show the timestamp in the received email.

