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Department of Computer Science and Engineering

Cloud Computing Lab

LAB – 5: - Introduction to AWS IAM (Identity and Access Management)

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LAB – 5: - Introduction to AWS IAM (Identity and Access Management)

- *user-1* added to the S3-Support Group.

The screenshot shows the AWS IAM console interface. On the left is a navigation sidebar with sections: Identity and Access Management (IAM), Access management, and Access reports. The main content area displays the details for the 'S3-Support' user group. A green banner at the top indicates 'Users added to this group.' The 'Summary' section shows the group name 'S3-Support', creation time 'March 30, 2023, 08:39 (UTC+05:30)', and ARN 'arn:aws:iam::870248669880:group/spl66/S3-Support'. Below this, the 'Users' tab is active, showing a table with one user: 'user-1', added 9 minutes ago. The bottom of the console shows the footer with 'CloudShell', 'Feedback', 'Language', and copyright information.

User name	Groups	Last activity	Creation time
user-1	1	None	9 minutes ago

- *user-2* added to the EC2-Support Group.

The screenshot shows the AWS IAM console interface for the 'EC2-Support' user group. The layout is similar to the previous one, with a navigation sidebar and a main content area. The 'Summary' section shows the group name 'EC2-Support', creation time 'March 30, 2023, 08:39 (UTC+05:30)', and ARN 'arn:aws:iam::870248669880:group/spl66/EC2-Support'. The 'Users' tab is active, showing a table with one user: 'user-2', added 10 minutes ago. The bottom of the console shows the footer with 'CloudShell', 'Feedback', 'Language', and copyright information.

User name	Groups	Last activity	Creation time
user-2	1	None	10 minutes ago

- *user-3* added to the EC2-Admin Group.

The screenshot shows the AWS IAM console interface. On the left is a navigation sidebar with sections for 'Access management' (Users, Roles, Policies, Identity providers, Account settings) and 'Access reports' (Access analyzer, Archive rules, Analyzers, Settings, Credential report, Organization activity, Service control policies (SCPs)). The main content area is titled 'EC2-Admin' and shows a summary of the user group. Below the summary, the 'Users' tab is active, displaying a table with one user: 'user-3', who was added 11 minutes ago. The table has columns for 'User name', 'Groups', 'Last activity', and 'Creation time'.

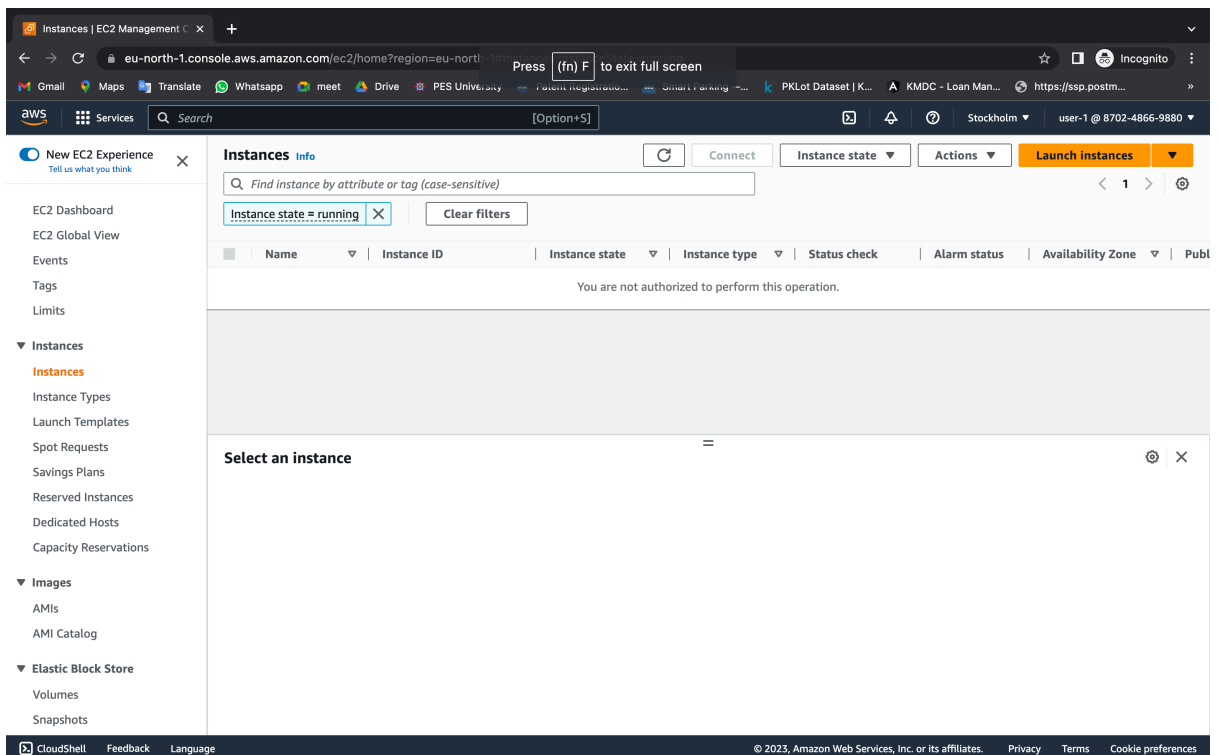
User name	Groups	Last activity	Creation time
user-3	1	None	11 minutes ago

- View S3 buckets with *user-1* role

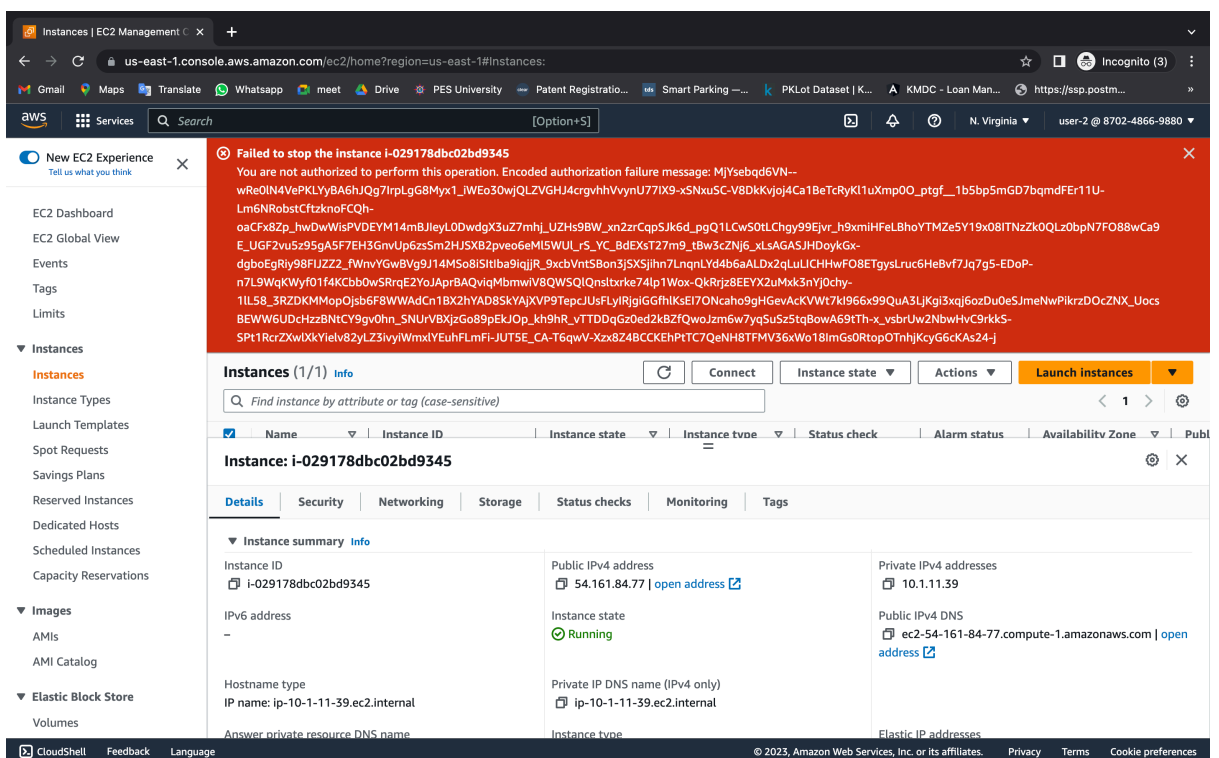
The screenshot shows the AWS IAM console 'User groups' page. It displays a list of three user groups: 'EC2-Admin', 'EC2-Support', and 'S3-Support'. Each group has 1 user and 'Defined' permissions. The page includes a search bar and a 'Create group' button. The table has columns for 'Group name', 'Users', 'Permissions', and 'Creation time'.

Group name	Users	Permissions	Creation time
EC2-Admin	1	Defined	13 minutes ago
EC2-Support	1	Defined	13 minutes ago
S3-Support	1	Defined	13 minutes ago

- EC2 instance dashboard with *user-1* role (Not authorized)



- Failure message when instance stopped with *user-2* role



- Successful stoppage of E2 instance with *user-3 role*

The screenshot displays the AWS Management Console interface for EC2 instances. A green notification banner at the top states "Successfully stopped i-029178dbc02bd9345". The left sidebar shows the navigation menu with "Instances" selected. The main content area shows a list of instances with the following details:

Name	Instance ID	Instance state	Instance type	Status check	Alarm status	Availability Zone	Public IP
-	i-029178dbc02bd9345	Stopping	t2.micro	2/2 checks passed	User: arn:aws:iam::123456789012:user-3	us-east-1a	ec2-54-161-84-77.compute-1.amazonaws.com

Below the table, the "Instance: i-029178dbc02bd9345" details are shown, including the "Instance summary" tab. The summary includes the following information:

- Instance ID: i-029178dbc02bd9345
- Public IPv4 address: 54.161.84.77
- Private IPv4 addresses: 10.1.11.39
- Instance state: Stopping
- Public IPv4 DNS: ec2-54-161-84-77.compute-1.amazonaws.com
- Private IP DNS name (IPv4 only): ip-10-1-11-39.ec2.internal

The bottom of the console shows the footer with the copyright notice "© 2023, Amazon Web Services, Inc. or its affiliates." and links for "Privacy", "Terms", and "Cookie preferences".