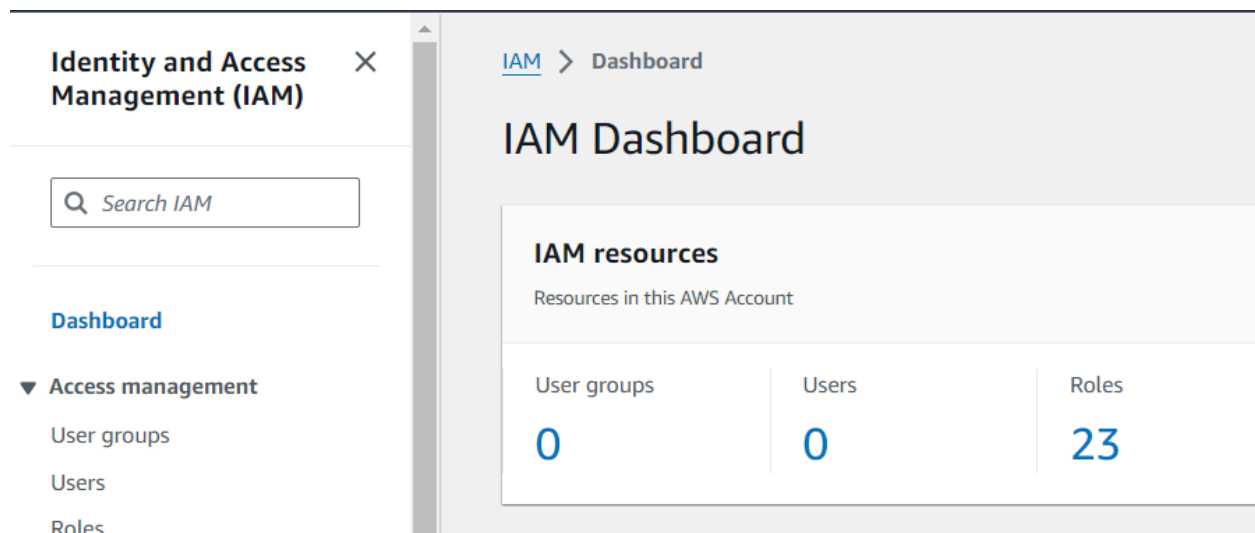


4. IAM Users and Roles Lab

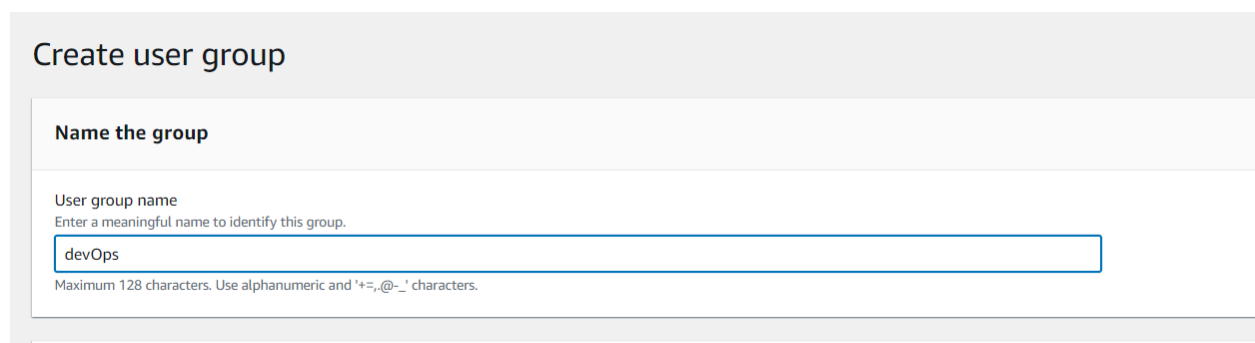
- **Objective:** To understand AWS Identity and Access Management (IAM) by creating and managing users, groups, and roles.
- **Approach:** Students will create new IAM users, assign them to groups, and apply policies to manage permissions. The lab will also involve creating roles for AWS services and understanding the use of IAM roles for cross-service access.
- **Goal:** Students will learn about user and permission management in AWS, the importance of roles for security and best practices for IAM.

Steps Involved:

1) Navigate to IAM in search bar. Go to User groups on leftmost part.



2) Click on create user group and name the group.



- 3) Apply policies to manage permission. Here, “AmazonS3FullAccess” and “AmazonEc2FullAccess” policies are selected.






Click on Create group

Attach permissions policies - Optional (2/916) [Info](#)

You can attach up to 10 policies to this user group. All the users in this group will have permissions that are defined in the selected policies.


Filter by Type

Search: amazons3 X All types 5 matches

	Policy name	Type	Used as	Description
<input checked="" type="checkbox"/>	 AmazonS3FullAccess	AWS managed	Permissions policy (1)	Provides full access to all buckets via t...
<input type="checkbox"/>	 AmazonS3ObjectLambdaExecu...	AWS managed	None	Provides AWS Lambda functions permi...
<input type="checkbox"/>	 AmazonS3OutpostsFullAccess	AWS managed	None	Provides full access to Amazon S3 on ...
<input type="checkbox"/>	 AmazonS3OutpostsReadOnlyA...	AWS managed	None	Provides read only access to Amazon S...
<input type="checkbox"/>	 AmazonS3ReadOnlyAccess	AWS managed	Permissions policy (1)	Provides read only access to all bucket...


Cancel Create group

- 4) This throws an error. So we should use foundation course lab to assign the users with groups.

 **User group was not created.**

User: arn:aws:sts::304064102356:assumed-role/voclabs/user3011670=subedisonu03@gmail.com is not authorized to perform: iam:CreateGroup on resource: arn:aws:iam::304064102356:group because no identity-based policy allows the iam:CreateGroup action

Search

User name 

Groups Last activity Creation