



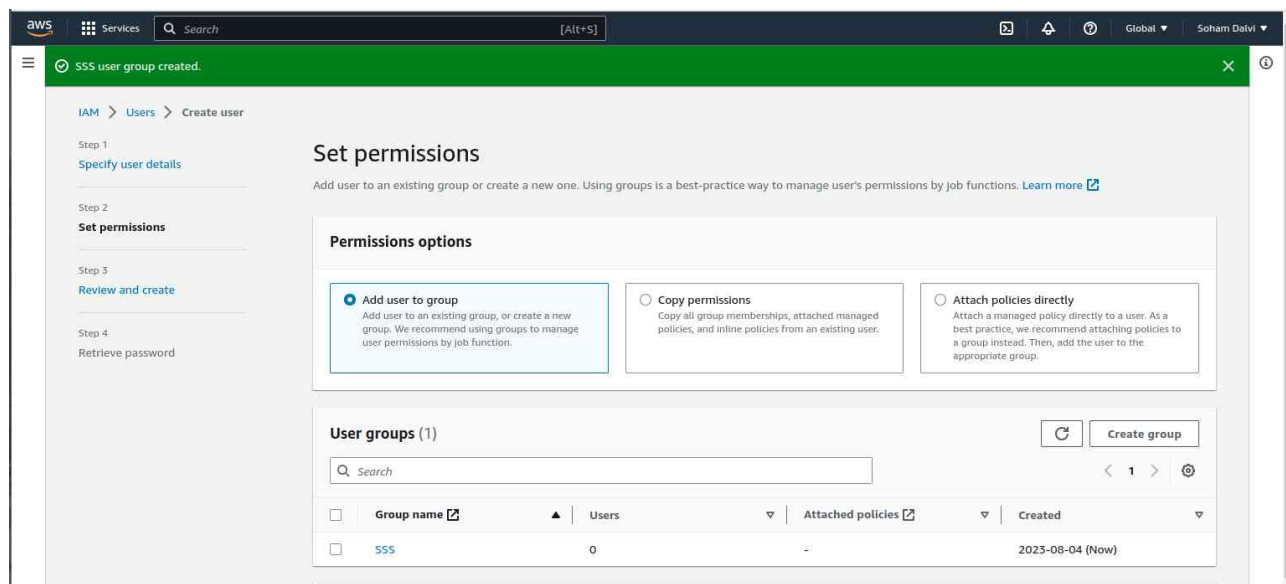
Semester: V
Academic Year: 2023-24
Class / Branch: TE IT
Subject: Advanced Devops Lab (ADL)
Name of Instructor: Prof. Manjusha Kashilkar

Name of Student: Soham Dalvi
Student ID: 21104010

EXPERIMENT NO. 01

Aim: To understand the benefits of Cloud Infrastructure and Setup AWS Cloud9 IDE, Launch AWS Cloud9 IDE and Perform Collaboration Demonstration.

Steps:





PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY
Department of Information Technology
(NBA Accredited)



The screenshot shows the AWS IAM console interface. The left sidebar contains navigation links for Identity and Access Management (IAM), Access management, and Access reports. The main content area displays the 'Permissions' tab for a user group named 'SSS'. It shows a summary of the user group, including its name, creation time, and ARN. Below the summary, there is a table of permissions policies attached to the user group. The table has columns for Policy name, Type, and Description. One policy is listed: 'AWSCloud9EnvironmentMember', which is AWS managed and provides the ability to be invited into a Cloud9 environment.

Policy name	Type	Description
AWSCloud9EnvironmentMember	AWS managed	Provides the ability to be invited into A...

The screenshot shows the AWS IAM console interface during the 'Retrieve password' step of creating a new user. The main content area displays the 'Retrieve password' section, which includes a 'Console sign-in details' box. This box contains the console sign-in URL, the user name, and the console password. The password is masked with asterisks and a 'Show' button is provided to reveal it. There are also buttons for 'Download .csv file' and 'Return to users list'.

Console sign-in details

Console sign-in URL
https://027642185607.signin.aws.amazon.com/console

User name
Soham-user1

Console password
***** Show



PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY
Department of Information Technology
(NBA Accredited)



aws Services Search [Alt+S] Global Soham Dalvi

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles
- Policies
- Identities providers
- Account settings

Access reports

- Access analyzer
- Archive rules
- Analyzers
- Settings
- Credential report
- Organization activity
- Service control policies (SCPs)

Users added to this group.

IAM > User groups > SSS

SSS

Delete

Summary

Edit

User group name	Creation time	ARN
SSS	August 04, 2023, 14:14 (UTC+05:30)	arn:aws:iam::027642185607:group/SSS

Users 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.

Remove users Add users

Search

	User name	Groups	Last activity	Creation time
<input type="checkbox"/>	Soham-user1	1	None	Now

aws Services Search [Alt+S] N. Virginia Soham Dalvi

AWS Cloud9

Environments

Documentation

Successfully created ADL-lab2-env. To get the most out of your environment, see [Best practices for using AWS Cloud9](#).

AWS Cloud9 > Environments

Environments (1)

Delete View details Open in Cloud9 Create environment

My environments

Name	Cloud9 IDE	Environment type	Connection	Permission	Owner ARN
<input type="radio"/> ADL-lab2-env	Open	EC2 Instance	AWS Systems Manager (SSM)	Owner	arn:aws:iam::027642185607:root



PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY
Department of Information Technology
(NBA Accredited)



aws Services Search [Alt+S] Global Soham Dalvi

Identity and Access Management (IAM)

Search IAM

Dashboard

- Access management
 - User groups
 - Users
 - Roles
 - Policies
 - Identity providers
 - Account settings
- Access reports
 - Access analyzer
 - Archive rules
 - Analizers
 - Settings

IAM Dashboard

Security recommendations 1

- Add MFA for root user**
Add MFA for root user - Enable multi-factor authentication (MFA) for the root user to improve security for this account. [Add MFA](#)
- Root user has no active access keys**
Using access keys attached to an IAM user instead of the root user improves security.

IAM resources

Resources in this AWS Account

User groups	Users	Roles	Policies	Identity providers
1	1	4	0	0

AWS Account

Account ID
027642185607

Account Alias
[Create](#)

Sign-in URL for IAM users in this account
<https://027642185607.signin.aws.amazon.com/console>

Quick Links

[My security credentials](#)
Manage your access keys, multi-factor authentication (MFA) and other credentials.

Share this environment

Links to share:

Environment: <https://us-east-1.console.aws.amazon.com/cloud9/ide/17fbc0936e1c/>

Application: 54.175.135.66

To make your application accessible from the internet, please follow [our documentation](#).

Who has access

- ReadWrite**
 - You (online) [RW](#)
- ReadOnly**
 - Soham-user1 (offline) [R](#) [RW](#) [Delete](#)

☐ Don't allow members to save their tab state

Invite Members

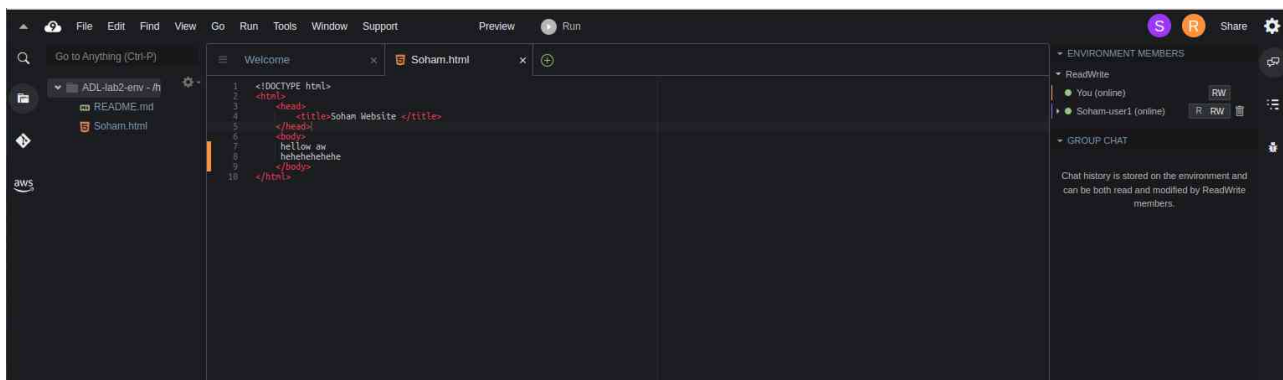
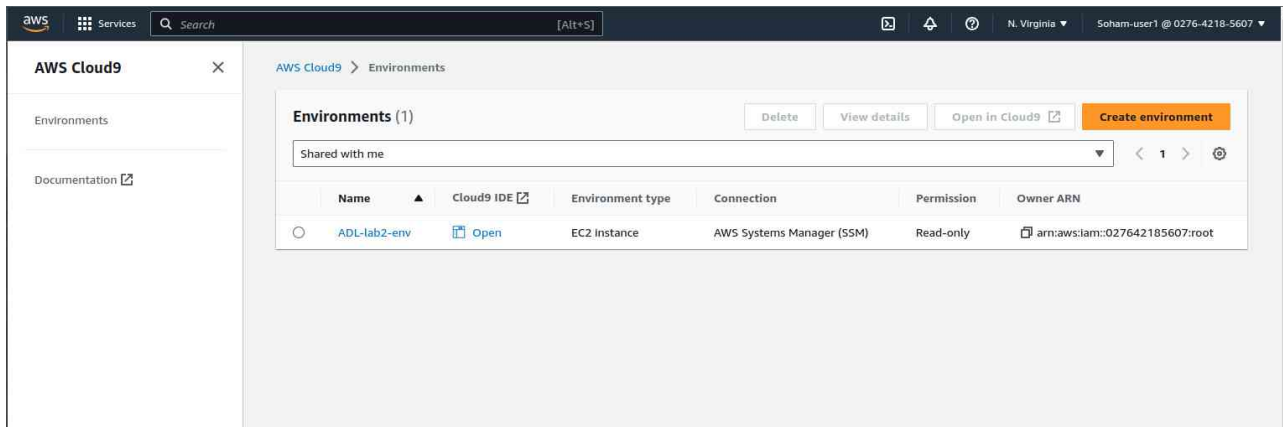
[R](#) [RW](#) [Invite](#)

Invite an existing IAM user or [create a new user](#).

[Done](#)



PARSHVANATH CHARITABLE TRUST'S
A. P. SHAH INSTITUTE OF TECHNOLOGY
Department of Information Technology
(NBA Accredited)



Conclusion: Hence we learned to users and user group also gave user policies and tried to edit the files from the user created .