



PARSHVANATH CHARITABLE TRUST'S

A. P. SHAH INSTITUTE OF TECHNOLOGY

Department of Information Technology

(NBA Accredited)



Semester: V

Academic Year: 2024-25

Class / Branch: TE IT

Subject: Advanced DevOps Lab (ADL)

Name of Instructor: Prof.Sonal Balpande

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EXPERIMENT NO. 01

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

1. Create Environment

Name	Cloud9 IDE	Environment type	Connection	Permission	Owner ARN
First_app	Open	EC2 Instance	AWS Systems Manager (SSM)	Owner	arn:aws:iam::992382553376:root



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2. Create User

The screenshot shows the AWS Identity and Access Management (IAM) service. On the left, the navigation pane is open with the 'Users' section selected under 'Access management'. The main content area displays a table titled 'Users (1) Info' with one entry: 'apsit_kunal'. The table includes columns for User name, Path, Group, Last activity, MFA, Password age, and Console last sign-in. The user was last active 21 minutes ago and signed in 29 minutes ago on July 15, 2024, at 14:11. The bottom right corner of the page footer contains copyright information: '© 2024, Amazon Web Services, Inc. or its affiliates.' followed by links for 'Privacy', 'Terms', and 'Cookie preferences'.

3. Create Group

The screenshot shows the AWS Identity and Access Management (IAM) service. On the left, the navigation pane is open with the 'User groups' section selected under 'Access management'. The main content area displays a table titled 'User groups (1) Info' with one entry: 'first_app_group'. The table includes columns for Group name, Users, Permissions, and Creation time. The group has 1 user and was created 35 minutes ago. The bottom right corner of the page footer contains copyright information: '© 2024, Amazon Web Services, Inc. or its affiliates.' followed by links for 'Privacy', 'Terms', and 'Cookie preferences'.



4. Add policies

Identity and Access Management (IAM)

apsit_kunal

Summary

ARN: arn:aws:iam::992302553376:user/apsit_kunal

Console access: Enabled without MFA

Access key 1: Create access key

Created: July 15, 2024, 13:57 (UTC+05:30)

Last console sign-in: Today

Permissions

Permissions policies (1)

Filter by Type: All types

Policy name	Type	Attached via
AWSCloud9EnvironmentMember	AWS managed	Group first_app_group

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5. Collaboration

```
<!DOCTYPE html>
<html>
  <head>
    <title>Welcome to Adv DevOps</title>
  </head>
  <body>
  </body>
</html>
```

CodeWhisperer AWS: profile.default

CodeWhisperer AWS: profile.default



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Conclusion: AWS Cloud9 IDE not only simplifies the setup of a development environment but also enhances collaboration among multiple users, making it a valuable tool in modern software development workflows.