



Semester: V
Academic Year: 2024-25
Class / Branch: TE IT
Subject: Advanced DevOps Lab (ADL)
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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

The screenshot shows the AWS Cloud9 console interface. On the left, there is a sidebar with 'AWS Cloud9' and navigation links for 'My environments', 'Shared with me', 'All account environments', and 'Documentation'. The main area is titled 'Environments (1)' and contains a table with the following data:

	Name	Cloud9 IDE	Environment type	Connection	Permission	Owner ARN
<input type="radio"/>	First_app	Open	EC2 Instance	AWS Systems Manager (SSM)	Owner	arn:aws:iam::992382553376:root

At the top of the main area, there are buttons for 'Delete', 'View details', 'Open in Cloud9', and 'Create environment'. Below the table, there is a pagination control showing '1' of 1 items.



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2. Create User

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users**
- Roles
- Policies
- Identity providers
- Account settings

Access reports

- Access Analyzer
- External access
- Unused access
- Analyzer settings
- Credential report
- Organization activity
- Service control policies

CloudShell Feedback

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3. Create Group

Identity and Access Management (IAM)

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4. Add policies

The screenshot shows the AWS IAM console interface. On the left is a navigation menu with options like 'Dashboard', 'Access management', 'Users', 'Roles', 'Policies', etc. The main content area shows the details for the user 'apsit_kunal'. Under the 'Permissions policies' tab, a table lists the attached policies:

Policy name	Type	Attached via
AWSCloud9EnvironmentMember	AWS managed	Group first_app_group

5. Collaboration

The image shows two side-by-side screenshots of a web browser displaying a code editor. Both screenshots show a terminal window at the bottom with a bash prompt. The left terminal shows the command 'ec2-user:~/environment \$' and the right terminal shows the command 'ec2-user:~/environment \$'. The code editor displays an HTML file with the following content:

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



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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.