Proposal for TN - Cloud Lab Setup –

AWS and Azure Training

# 1. Objective

To create a practical, secure, and cost-controlled lab environment for Cloud and DevOps training sessions using AWS and Azure.

# 2. Scope

- 3 individual user accounts in AWS and Azure.  
- Group-based access for simplified management.  
- Budget control and alerting mechanisms.  
- Limited access to predefined services and regions.

# 3. Lab Setup Plan

* AWS Tasks:
* - Create IAM group `devops-students`
* - Add 3 IAM users with console access
* - Attach restrictive policy (EC2, S3 only)
* - Set up budget alerts ($5/user)
* - Enable MFA and session timeout policies
* Azure Tasks:
* - Create Resource Group `DevOpsLab-RG`
* - Create 3 users in Azure AD
* - Add users to group `devops-students`
* - Assign RBAC (Contributor/Custom Role)
* - Configure budget and cost alerts

# 4. Budget Estimation

|  |  |  |
| --- | --- | --- |
| Platform | Monthly Limit | Total Estimated Cost |
| AWS | $5/user × 3users | $50/month |
| Azure | ₹400/user × 3 users | ₹2000/month |

Note: Budget alerts will be configured at 50%, 75%, and 90% usage to monitor and control cost.

# 5. Benefits

- Practical experience for trainees  
- Controlled cost environment  
- Role-based access and isolation  
- Scalable for future sessions

# 6. Request

Approval is requested to:  
- Proceed with account and group creation.  
- Set monthly budget and service limits.  
- Use official cloud accounts under IT monitoring.

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