Use case

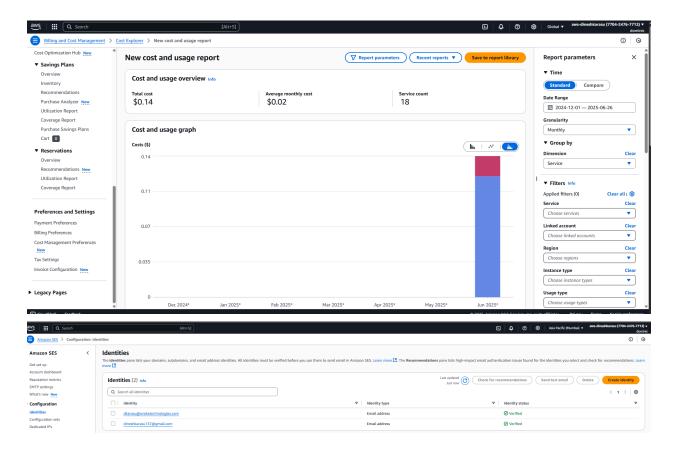
Cost Optimization Automation

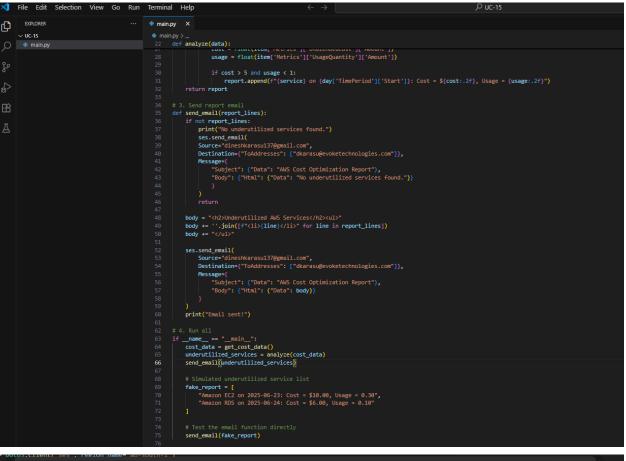
Use case Description

Use Cost Explorer API via Python. Identify underutilized resources and send email reports through SES.

Approach:

- 1. Enable cost explorer in AWS console
- 2. Set permissions to user for GetCostAndUsage and SES send email
- 3. Verify SES identity mail id's for both sender and receiver mail ids
- 4. Write python logic to
 - Get cost Usage data
 - Analyze underutilized services
 - Send report email through SES

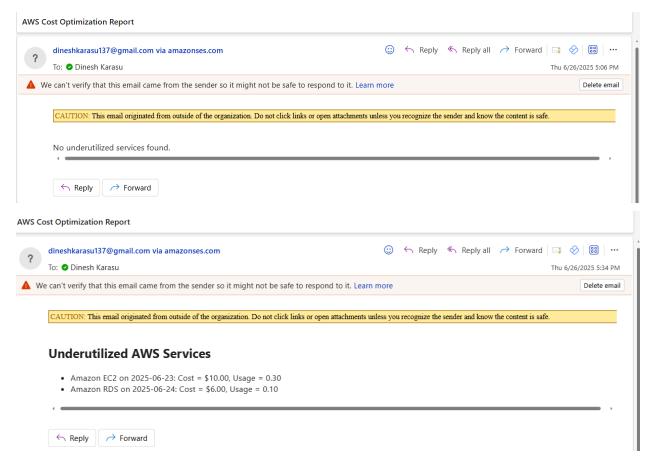




```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

St. (Users\dkarasu\desktop\ od .\MSCloudPractitioner\
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15\
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15\
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15\
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15\
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15\
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15\
No underutilized services found.
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15>
PS C:\Users\dkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15>
Source-'dineskkarasu\desktop\AWSCloudPractitioner\UseCasesDocx\UC-15>
```



JSON response from get_cost_data() function:

```
"UsageQuantity": {"Amount": "2.5"}
}
}
}
]
```