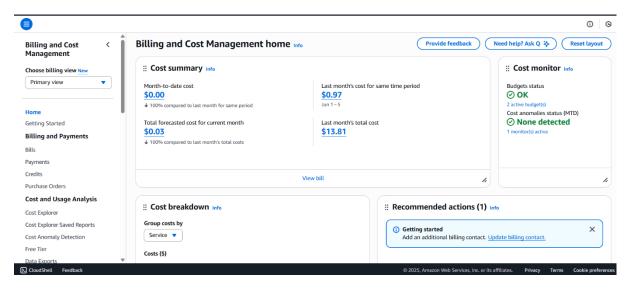
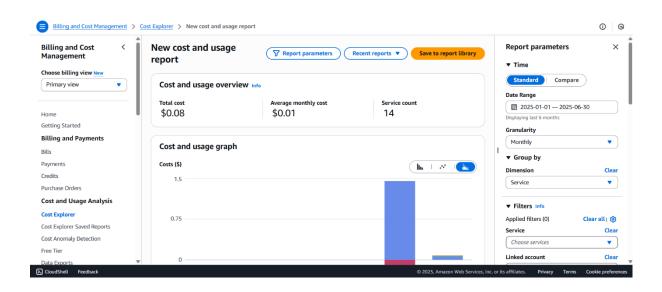
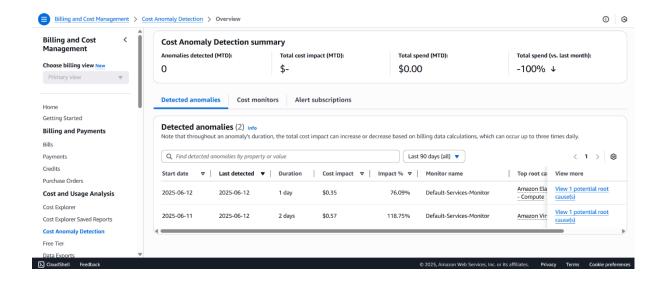
Task 4

The Project







Common Optimization Ideas

<u>Situation</u>	Recommendation
Using big EC2 instances 24x7	Use Auto Scaling or smaller instance types
EC2 used only during work hours	Use Start/Stop schedules
Not using an instance much	Switch to Spot Instances (90% cheaper)
Have many copies of files in S3	Use S3 Lifecycle Rules to delete or archive
Running dev/test 24x7	Turn off when not needed or use cheaper types

Tools that can help:

1. AWS Trusted Advisor:

- $_{\circ}$ Go to the AWS Console \rightarrow search for **Trusted Advisor**.
- It shows cost-saving recommendations like:
 - Idle resources
 - Underutilized EC2
 - Low S3 usage

2. Compute Optimizer:

- o AWS service that analyzes EC2 and suggests:
 - Instance resizing
 - Switch to more efficient types

Monitor Cost Savings After Optimizing

To Track Improvements:

- 1. Go back to **Cost Explorer** after a few days or weeks.
- 2. Check:
 - o Did the costs go down?
 - Which services reduced in cost?

You can also set up Budgets:

- Go to **Budgets** in the Billing menu.
- Set a monthly budget.
- Set alerts (email) if spending goes over limit.