

Task 4

The Project

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Billing and Cost Management

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Provide feedback

Need help? Ask Q

Reset layout

Cost summary

Month-to-date cost
\$0.00
↓ 100% compared to last month for same period

Last month's cost for same time period
\$0.97
Jun 1 - 5

Total forecasted cost for current month
\$0.03
↓ 100% compared to last month's total costs

Last month's total cost
\$13.81

View bill

Cost monitor

Budgets status
OK
2 active budget(s)

Cost anomalies status (MTD)
None detected
1 monitor(s) active

Cost breakdown

Group costs by
Service

Costs (\$)

Recommended actions (1)

Getting started
Add an additional billing contact. [Update billing contact.](#)

CloudShell

Feedback

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Billing and Cost Management > Cost Explorer > New cost and usage report

Report parameters

Recent reports

Save to report library

New cost and usage report

Cost and usage overview

Total cost
\$0.08

Average monthly cost
\$0.01

Service count
14

Cost and usage graph

Costs (\$)

1.5

0.75

0

Cost Explorer

Report parameters

Time

Standard

Compare

Date Range

2025-01-01 — 2025-06-30

Displaying last 6 months

Granularity

Monthly

Group by

Dimension

Service

Filters

Applied filters (0)

Clear all

Service

Choose services

Linked account

Clear

CloudShell

Feedback

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Billing and Cost Management > Cost Anomaly Detection > Overview

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Cost Anomaly Detection summary

Anomalies detected (MTD): 0 Total cost impact (MTD): \$- Total spend (MTD): \$0.00 Total spend (vs. last month): -100% ↓

Detected anomalies Cost monitors Alert subscriptions

Detected anomalies (2) [Info](#)

Note that throughout an anomaly's duration, the total cost impact can increase or decrease based on billing data calculations, which can occur up to three times daily.

Q Find detected anomalies by property or value Last 90 days (all) < 1 > ⚙

Start date	Last detected	Duration	Cost impact	Impact %	Monitor name	Top root ca	View more
2025-06-12	2025-06-12	1 day	\$0.35	76.09%	Default-Services-Monitor	Amazon Ela - Compute	View 1 potential root cause(s)
2025-06-11	2025-06-12	2 days	\$0.57	118.75%	Default-Services-Monitor	Amazon Vir	View 1 potential root cause(s)

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Common Optimization Ideas

Situation

Using big EC2 instances
24x7

EC2 used only during work
hours

Not using an instance
much

Have many copies of files
in S3

Running dev/test 24x7

Recommendation

Use **Auto Scaling** or smaller instance
types

Use **Start/Stop schedules**

Switch to **Spot Instances** (90% cheaper)

Use **S3 Lifecycle Rules** to delete or
archive

Turn off when not needed or use
cheaper types

Tools that can help:

1. AWS Trusted Advisor:

- Go to the AWS Console → search for **Trusted Advisor**.
- It shows cost-saving recommendations like:
 - Idle resources
 - Underutilized EC2
 - Low S3 usage

2. Compute Optimizer:

- 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:
 - 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.