

Assignment No: 1

Problem Statement: Create an account in AWS and configure a budget.

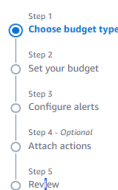
Solution Process: Create an AWS Free Tier account by visiting their signup page, providing your email, password, and contact details. Enter your credit/debit card information and PAN card details if applicable. Verify your phone number, choose a support plan, and complete the registration. You'll have to access to AWS Free Tier services for 12 months.

1. At first go to the Billing and Cost Management.

2. Click on the budget option and create budget.

3. Then go through the following steps.....

4. Choose Budget type....



Choose budget type [Info](#)

Budget setup

☐ Use a template (simplified)

Use the recommended configurations. You can change some configuration options after the budget is created.

☒ Customize (advanced)

Customize a budget to set parameters specific to your use case. You can customize the time period, the start month, and specific accounts.

Budget types

☒ Cost budget - Recommended

Monitor your costs against a specified dollar amount and receive alerts when your user-defined thresholds are met. Using cost budgets, the budgeted amount you set represents your expected cloud spend. For example, you can set a cost budget for a business unit and then add additional parameters such as the associated member accounts.

☐ Usage budget

Monitor your usage of one or more specified usage types or usage type groups and receive alerts when your user-defined thresholds are met. Using usage budgets, the budgeted amount represents your expected usage. For example, you can use a usage budget to monitor the usage of certain services such as Amazon EC2 and Amazon S3.

☐ Savings Plans budget

Track the utilization or coverage associated with your Savings Plans and receive alerts when your percentage drops below a threshold you define. Setting a coverage target lets you see how much of your instance usage is covered by Savings Plans, while setting a utilization target lets you see if your Savings Plans are unused or underutilized.

☐ Reservation budget

Track the utilization or coverage associated with your reservations and receive alerts when your percentage drops below a threshold you define. Setting a coverage target lets you see how much of your instance usage is covered by reservations, while setting a utilization target lets you see if your reservations are unused or underutilized. Reservation alerts are supported for Amazon EC2, Amazon RDS, Amazon Redshift, Amazon ElastiCache, and Amazon Elasticsearch reservations.

[Cancel](#)

[Next](#)

1.Set my budget.....

Step 1
Choose budget type


Step 2
Set your budget

Step 3
Configure alerts


Step 4 - Optional
Attach actions

Step 5
Review


▼ How to set up your budget



Step 1: Enter your budget details
Define the budget name.



Step 2: Set budget amount
Select the period and whether you would like to have a fixed budget or to specify a budget plan, then enter your budget amount.



Step 3: Scope your budget - optional
Add dimensions of data to narrow on a set of cost information. For example, you could select a number of AWS services to track as part of this budget.

Details

Budget name
Provide a descriptive name for this budget.

Names must be between 1-100 characters.

Set budget amount

Period
Daily budgets do not support enabling forecasted alerts, or daily budget planning.

Monthly ▼


Budget renewal type

☒ **Recurring budget**
Recurring budgets renew on the first day of every monthly billing period.

☐ **Expiring budget**
Expiring monthly budgets stop renewing at the end of the selected expiration month.

Budget preview

Cost Data
Jan 2024 - Jan 2025 (MTD) | Unblended costs



Jan 2024Apr 2024Jul 2024Oct 2024

■ Actual cost

[View in AWS Cost Explorer](#)

Alerts

No alerts configured.

Expiring monthly budgets stop renewing at the end of the selected expiration month.

Start month

Jan ▼2025 ▼

Budgeting method | [Info](#)

Fixed
Create a budget that tracks against a single monthly budgeted amount.

Enter your budgeted amount (\$)
Last month's cost: \$0.00

Budget scope | [Info](#)
Add filtering and use advanced options to narrow the set of cost information tracked as part of this budget

Scope options

☒ **All AWS services (Recommended)**
Track any cost incurred from any service for this account as part of the budget scope

☐ **Filter specific AWS cost dimensions**
Select specific dimensions to budget against. For example, you can select the specific service "EC2" to budget against.

▼ Advanced options

Aggregate costs by

Unblended costs ▼

Supported charge types

Upfront reservation fees ✕

Recurring reservation charges ✕

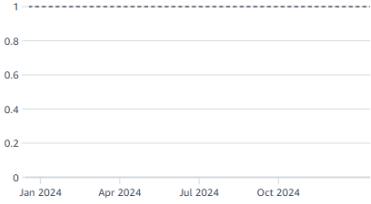
Other subscription costs ✕

Taxes ✕

Support charges ✕

Discounts ✕

Cost Data
Jan 2024 - Jan 2025 (MTD) | Unblended costs



Jan 2024Apr 2024Jul 2024Oct 2024

■ Actual cost == Budget

[View in AWS Cost Explorer](#)

Alerts

No alerts configured.

2.Then create the action Threshold....

Budget amount

Your budgeted amount: **\$1.00**
To change your budgeted amount, go back to step 2.

▼ Alert #1

Remove

Set alert threshold

Threshold

When should this alert be triggered?

50

% of budgeted amount

Trigger

How should this alert be triggered?

Actual

Summary:

When your actual cost is greater than 50.00% (\$0.50) of your budgeted amount (\$1.00), the alert threshold will be exceeded.

Notification preferences

Select one or more notification preferences to receive alerts.

Email recipients

Specify the email recipients you want to notify when the threshold has exceeded.

duttaarchak27@gmail.com

Maximum number of email recipients is 10.

► Amazon SNS Alerts - *Optional info*

► AWS Chatbot Alerts

+ Add alert threshold

Cost Data

Jan 2024 - Jan 2025 (MTD) | Unblended costs

1

0.8

0.6

0.4

0.2

0

Jan 2024

Apr 2024

Jul 2024

Oct 2024

Actual cost

Budget

Alert #1 (actual)

View in AWS Cost Explorer

Alerts

► Actual cost > 50% | No actions

Step 1

Choose budget type

Step 2

Set your budget

Step 3

Configure alerts

Step 4 - Optional

Attach actions

Step 5

Review

Attach actions - *Optional info*

▼ Using budgets actions

What is a budget action?

A budget action allows you to define and trigger cost saving responses to reinforce a cost-conscious culture. You have the option to attach actions that run whenever your alert threshold has been exceeded, such as stopping an EC2 instance from incurring any further costs. You can select the alerts to which you would like to attach actions, then define these actions.

How to get started?

To create a budget action, you will first need an alert threshold created from step 2. If you have already created an alert threshold select the type of action you want.

▼ Alert #1 (0 actions attached)

Threshold

50%

Threshold measured against

Actual Costs

Email recipients

duttaarchak27@gmail.com

Amazon SNS

Not configured

Add action

Cancel

Previous

Next

Cost Data

Jan 2024 - Jan 2025 (MTD) | Unblended costs

1

0.8

0.6

0.4

0.2

0

Jan 2024

Apr 2024

Jul 2024

Oct 2024

Actual cost

Budget

Alert #1 (actual)

View in AWS Cost Explorer

Alerts

► Actual cost > 50% | No actions

7.Finally the budget is created.

[dgets](#) > Overview

Your budget **AD budget** has been created successfully.

Submit feedback

Budgets (1)

Info

Find a budget

Type - Show all budgets

Download CSV

Actions

Create budget

| | Name | Thresholds | Budget | Amount used | Forecasted amount | Current vs. budgeted | Forecasted vs. budgeted |
|--------------------------|---------------------------|---------------|--------|-------------|-------------------|----------------------|-------------------------|
| <input type="checkbox"/> | AD budget | <div>OK</div> | \$1.00 | \$0.00 | - | <div>0.00%</div> | - |