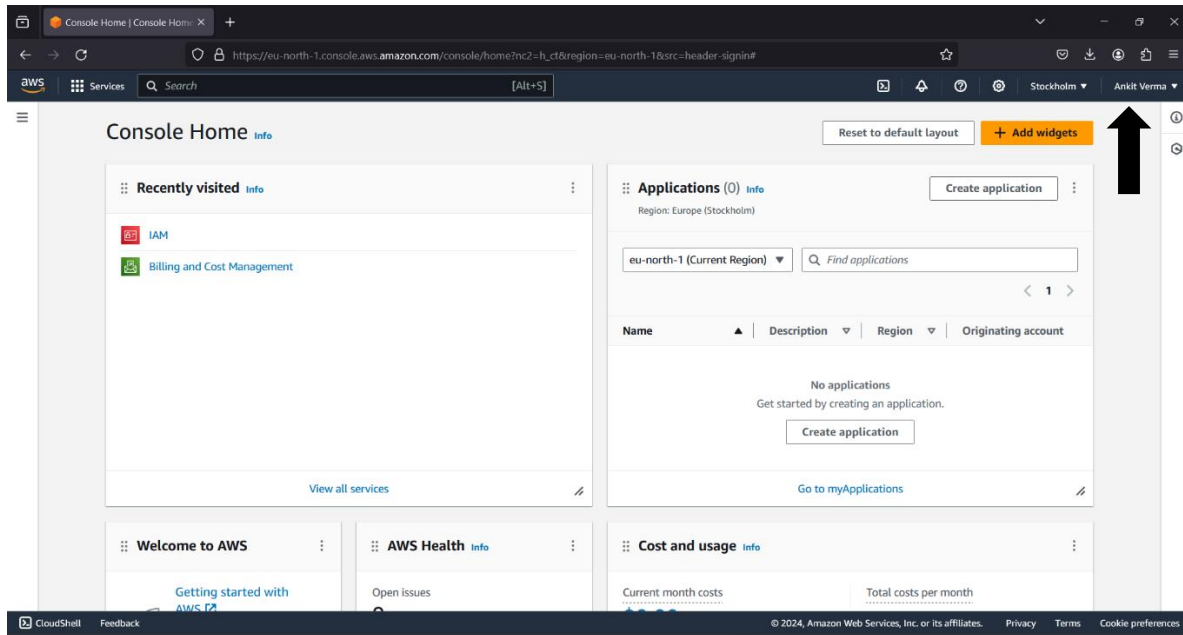


Assignment: 1

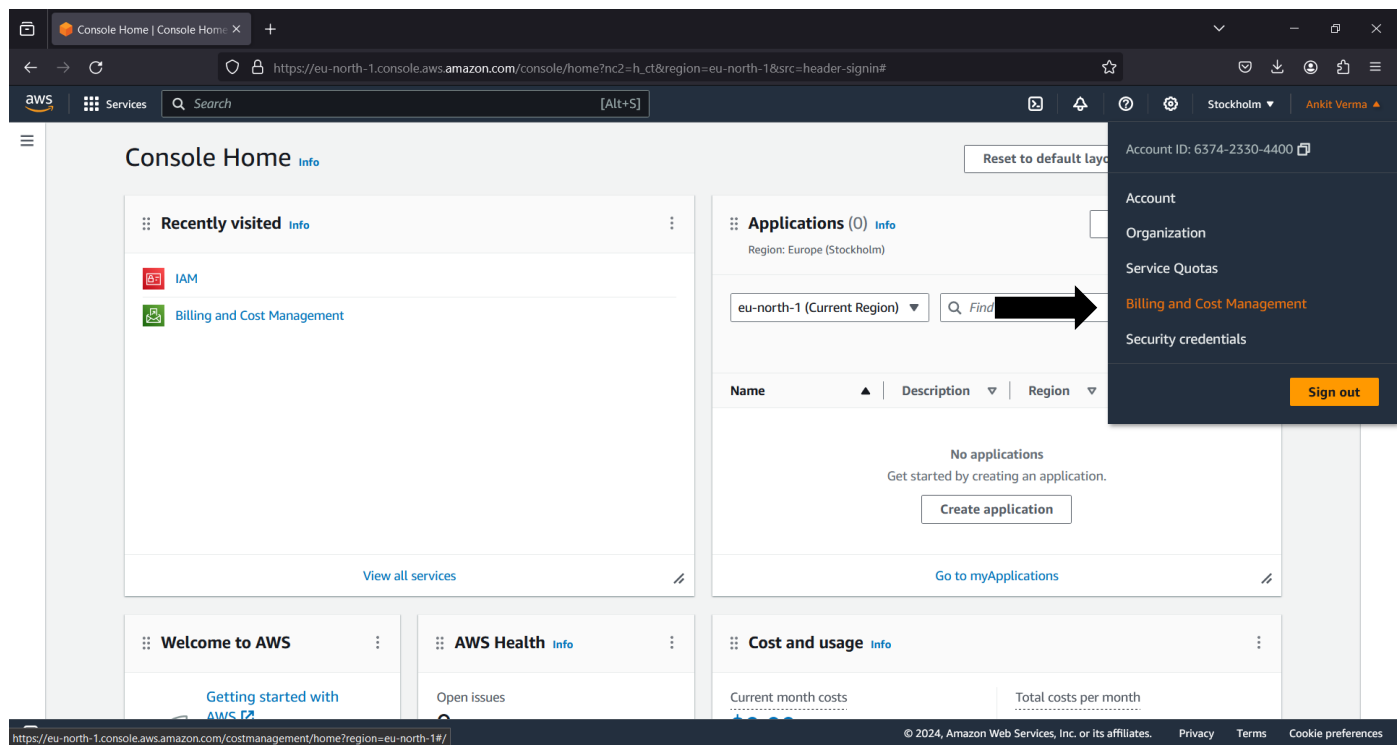
Problem Statement: Create an AWS account and configure a budget.

» The steps to configure a budget:-

Step 1: Click on the name of the profile (*i.e. top right of the screen*).



Step 2: Select “Billing & Cost Management” option.



Step 3: Now select “Budgets” option.

The screenshot shows the AWS Billing and Cost Management console. The left sidebar has a 'Budgets and Planning' section with 'Budgets' highlighted. The main content area displays the 'Billing and Cost Management home' dashboard. The dashboard includes a 'Cost summary' widget showing month-to-date cost (\$0.00), last month's cost (\$0.00), and total forecasted cost (Data unavailable). It also has a 'Cost monitor' widget showing budgets status (OK) and cost anomalies status (None detected). A 'Cost breakdown' widget is visible with a 'Service' filter. A 'Recommended actions' widget suggests getting started by adding a billing contact.

Step 4: Click upon the “Create a Budget” button.

The screenshot shows the 'Budgets Overview' page in the AWS Billing and Cost Management console. The page title is 'Overview'. It features a 'Budgets (0)' section with a search bar, a 'Download CSV' button, and a 'Create budget' button. Below this is a table with columns: Name, Thresholds, Budget, Amount used, Forecasted ..., and Current vs. budgeted. The table is currently empty, displaying 'No budgets' and 'No budgets to display.' A black arrow points to the 'Create budget' button.

Step 5: Select on “Customize” option and in Budget type keep it default then select “Next”.

The screenshot shows the AWS Billing and Cost Management console at the 'Choose budget type' step. The left sidebar contains navigation links for Cost Analysis, Cost Organization, Budgets and Planning, Savings and Commitments, and Preferences and Settings. The main content area is titled 'Choose budget type' and includes a 'Budget setup' section with two options: 'Use a template (simplified)' and 'Customize (advanced)'. The 'Customize (advanced)' option is selected. Below this is the 'Budget types' section with two options: 'Cost budget - Recommended' and 'Usage budget'. The 'Cost budget - Recommended' option is selected. At the bottom right, there are 'Cancel' and 'Next' buttons. Arrows indicate the selection of 'Customize (advanced)', 'Cost budget - Recommended', and the 'Next' button.

Step 6: Set budget amount to \$1 and provide a budget name.

The screenshot shows the AWS Billing and Cost Management console at the 'Set budget amount' step. The left sidebar is the same as in Step 5. The main content area is titled 'Set budget amount' and includes a 'Budget name' field with the value 'MyFirstBudget'. Below this is the 'Set budget amount' section with a 'Period' dropdown set to 'Monthly', a 'Budget renewal type' section with 'Recurring budget' selected, and a 'Start month' section with 'Feb' and '2024' selected. Below these is the 'Budgeting method' dropdown set to 'Fixed'. At the bottom, there is a field for 'Enter your budgeted amount (\$)' with the value '1.00'. On the right, there is a 'Budget preview' section showing a line graph of costs over time and a 'View in AWS Cost Explorer' button. Arrows indicate the selection of the 'Budget name' field, the 'Set budget amount' section, and the 'Enter your budgeted amount (\$)' field.

Step 7: Now select “Next”.

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

Budget preview

Cost Data
Feb 2023 - Feb 2024 (MTD) | Unblended costs

1
0.8
0.6
0.4
0.2
0

Feb 2023 May 2023 Aug 2023 Nov 2023

☒ Actual cost ☒ Budget

[View in AWS Cost Explorer](#)

Alerts

No alerts configured.

Cancel Previous **Next**

Step 8: Click upon “Add an Alert Threshold”.

Configure alerts Info

How budget alerts work

Why create budget alerts?
In order to be notified on the state of your budget, you can create up to 5 different alerts based on your budgeted amount. For example, create an alert to notify you when you have reached 75% of your budgeted amount.

How to get started?
Start by defining alert thresholds, then specify alert recipients and how you would like them to be notified. Alerts can be sent via email, AWS SNS, and AWS Chatbot.

Budget amount

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

No alert thresholds created. [Add an alert threshold](#)

Cancel Previous **Next**

Step 9: Insert the Threshold percentage value and a mail id, then “Next”.

To change your budgeted amount, go back to step 2.

▼ Alert #1 [Remove](#)

Set alert threshold

Threshold When should this alert be triggered? % of budgeted amount

Trigger How should this alert be triggered?

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.

Maximum number of email recipients is 10.

[▶ Amazon SNS Alerts - Optional info](#)
[▶ AWS Chatbot Alerts](#)

[+ Add alert threshold](#)

[Cancel](#) [Previous](#) [Next](#)

Budget preview

Cost Data
Feb 2023 - Feb 2024 (MTD) | Unblended costs

1
0.8
0.6
0.4
0.2
0

Feb 2023 May 2023 Aug 2023 Nov 2023

■ Actual cost ■ Budget ■ Alert #1 (actual)

[View in AWS Cost Explorer](#)

Alerts
▶ Actual cost > 50% | No actions

Step 10: Click “Next” option.

Attach actions - Optional

▼ 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

[Add action](#)

Email recipients ankitverma79801@gmail.com

Amazon SNS Not configured

[Cancel](#) [Previous](#) [Next](#)

Budget preview

Cost Data
Feb 2023 - Feb 2024 (MTD) | Unblended costs

1
0.8
0.6
0.4
0.2
0

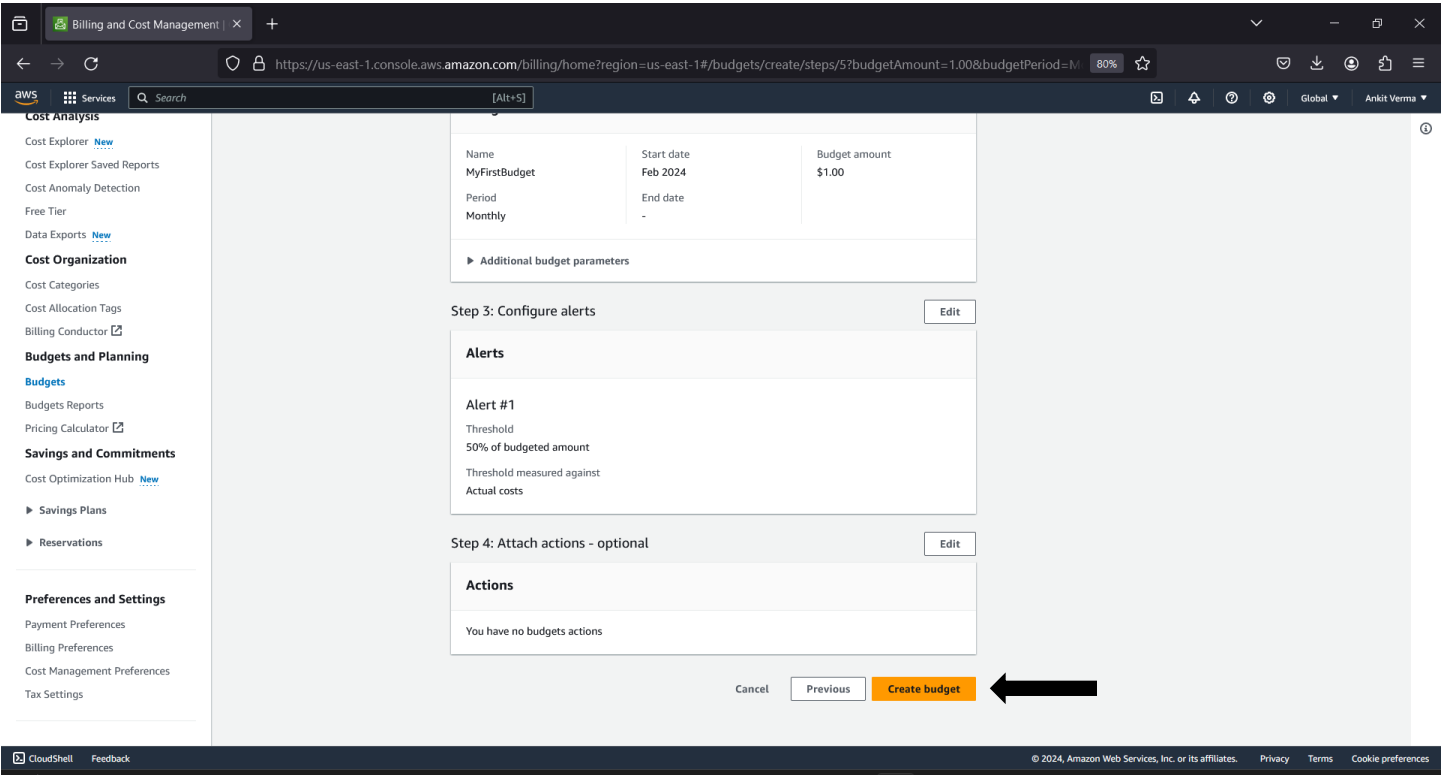
Feb 2023 May 2023 Aug 2023 Nov 2023

■ Actual cost ■ Budget ■ Alert #1 (actual)

[View in AWS Cost Explorer](#)

Alerts
▶ Actual cost > 50% | No actions

Step 11: Click “Create Budget” option.



Step 12: Budget created successfully named ‘MyFirstBudget’.

