

Exercise: Set up a budget alert

In this exercise, you will:

- Navigate to the Billing console page
- Create a budget
- Define scope, amount, and actions

Navigate to the Billing console page and display the Budgets and Alerts page as shown in Figure 1.

The screenshot shows the Google Cloud Billing console interface. The top navigation bar includes the Google Cloud logo and a search bar. The left sidebar lists various billing-related options, with 'Budgets & alerts' currently selected. The main content area is titled 'Budgets & alerts' and includes a '+ CREATE BUDGET' button and a 'DELETE' button. Below this, there is an informational message stating that setting a budget does not cap resource or API consumption. A filter bar is present above a table of budgets. The table has columns for Budget name, Budget period, Budget type, Applies to, and Trigger alerts at. One budget is listed: 'SLG Course Development' with a 'Monthly' period, 'Specified amount' type, and 'This billing account' scope, triggering alerts at 50%, 75%, and 100%.

Budget name	Budget period	Budget type	Applies to	Trigger alerts at
SLG Course Development	Monthly	Specified amount	This billing account	50%, 75%, and 100%

Figure 1. Billing console page.

Click on Create Budget to display the budget configuration form as shown in Figure 2. Provide a name for the budget and a time range. Leave the default values for projects and services. Click Next.

1 Scope

Name *

A budget enables you to track your actual spend against your planned spend.

Time range

Monthly

The month starts on the first of the month and reset at the beginning of each month.

A budget can be scoped to focus on a specific set of resources.

Projects

All projects (1)

Services

All services (1851)

Labels ?

Select the key and value of the label you want to filter.

Credits

Selected credits are applied to the total cost. Budget tracks the total cost minus any applicable selected credits

☒ Discounts ?

☒ Promotions and others ?

NEXT

Figure 2. Budget configuration form

←

Create Budget

✓

Scope

2

Amount

Set a monthly budget amount

Budget type

Specified amount

Last month's spend

\$ 0

NEXT

Figure 3. Budget types

In the Amount section (see Figure 3), set the Budget Type to Specified amount and the target amount to \$1,000 as shown in Figure 4.



Create Budget



Scope



Amount

Set a monthly budget amount

Budget type

Specified amount



A fixed amount that your spend will be compared against.

Target amount *

\$ 1000.00

NEXT

Figure 4. Setting the budget type and target amount.

Then click Nex to display the Actions form as shown in Figure 5.

←

Create Budget

3

Actions

Set alert threshold rules

Send email alert notifications after the actual or forecasted spend exceeds a percent of the budget or a specified amount. [Learn more.](#)

Percent of budget...
50 %

Amount 1 *
\$ 500

Trigger on 1
Actual ▼ ?

Percent of budget...
90 %

Amount 2 *
\$ 900

Trigger on 2
Actual ▼ ?

Percent of budget...
100 %

Amount 3 *
\$ 1000

Trigger on 3
Actual ▼ ?

+ ADD THRESHOLD

Manage notifications

Send email alert notifications to billing admins and users of this billing account.

☒ Email alerts to billing admins and users

Allow Monitoring email notification channels to receive alerts when this budget reaches thresholds.

☐ Link Monitoring email notification channels to this budget

Select a project and maximum 5 Monitoring email notification channels.

Use Pub/Sub notifications to programmatically receive spend updates about this budget.

☐ Connect a Pub/Sub topic to this budget

Select a project and Pub/Sub topic. Anyone who can view this budget will also be able to view the project ID and the topic name. It may not be possible to add a Pub/Sub topic if it belongs to an organization that has [domain restricted sharing](#) enabled.

FINISH

CANCEL

Figure 5. Configuring actions in the budget alert.

Set the percent of budget to 50, 90, and 100. Set amounts to \$500, \$900, \$1,000. Set triggers to Actual. Leave defaults in the Manage Notifications section. Click Finish to create the budget.