

Understanding Your Google Cloud Costs

Fundamental 15 Steps 4 hours 3 Credits

This Quest is most suitable for those working in a technology or finance role who are responsible for managing Google Cloud costs. You'll learn how to set up a billing account, organize resources, and manage billing access permissions. In the hands-on labs, you'll learn how to view your invoice, track your Google Cloud costs with Billing reports, analyze your billing data with BigQuery or Google Sheets, and create custom billing dashboards with Data Studio.

Prerequisites:

Students enrolling in this Quest do not need any prior Google Cloud technical experience. This training will be most beneficial for those currently in a public cloud / IT finance or resource management role.

Objectives:

- Plan for effective cloud cost management by setting up your teams, tools, and applying financial governance best practices.
- Set up Google Cloud Billing account(s) and organize your resources for cost management.
- Use Billing reports to gain visibility into your current cost trends and forecasted costs.
- Export to and examine billing data with Google Sheets or BigQuery.
- Visualize billing data with Billing reports and build custom dashboards with Data Studio.

Audience:

Anyone managing Google Cloud spend in any capacity for their company; Roles include: Finance and IT procurement leads, Financial Controller, VP of Operations, Billing Ops Lead, Financial Manager, Head of IT Procurement

Quest Outline

[Setting Up Your Google Cloud Billing Account](#)

1 minute

[Organizing Your Google Cloud Resources](#)

6 minutes

[Managing Billing Accounts](#)

3 minutes

[Managing Billing Access Permissions](#)

5 minutes

[Google Cloud Resource Management](#)

4 minutes

[Knowledge Check: Managing Your Billing Account](#)

[Tracking and Understanding Your Google Cloud Costs](#)

2 minutes

[Understanding Your Google Cloud Invoice](#)

6 minutes

[Exploring Your Google Cloud Costs with Billing Reports](#)

5 minutes

[A Tour of Qwiklabs and Google Cloud](#)

In this first hands-on lab you will access Qwiklabs and the Google Cloud Platform Console and use the basic GCP features: Projects, Resources, IAM Users, Roles, Permissions, APIs, and Cloud Shell.

30 minutes

Introductory

Free

[Understanding and Analyzing Your Costs with Google Cloud Billing Reports](#)

In this lab, you familiarize yourself with Google Cloud Billing reports, which provides built-in cost reporting for GCP within the Google Cloud Console. You view Billing reports from a live billing account, understand current and forecasted GCP costs, and then analyze costs using report filters to identify cost drivers and trends

45 minutes

Introductory

Free

[Exporting your Billing Data and Creating Custom Dashboards](#)

6 minutes

[Analyzing Billing Data with BigQuery](#)

In this lab you will create datasets and tables, import data from billing reports, and conduct a variety of queries on the data using BigQuery.

35 minutes

Introductory

1 Credit

[Visualizing Billing Data with Google Data Studio](#)

In this lab, you will harness the power of Data Studio, where you will learn how to build billing graphs and charts so you can slice and dice your GCP bill the way you want.

30 minutes

Introductory

1 Credit

[Examining BigQuery Billing Data in Google Sheets](#)

Use Google Sheets data connector to harness the power of BigQuery. The Sheets data connector lets you access and use data analytic functions to run queries and analyze data. You could create a Sheet to access and analyze your sales data, for example, then configure your Sheet to always reflect current data.

1 hour

Introductory

1 Credit

Quest Complete!

Congrats! You completed this quest and earned a badge. Become a cloud expert and start another.

