Handbook for GCP Billing Report

By Avahi

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Overview

This handbook provides users with clear, step-by-step instructions to obtain detailed **Google Cloud Platform (GCP) billing and invoice reports** that can be used as **input** for the **Nimbus Assessment Agent**. It covers the **one-time setup** required to enable billing data export from Google Cloud Billing into BigQuery, ensuring that detailed usage cost information is captured at the SKU, project, service, and region level. Once configured, the document guides users on how to **generate and download monthly billing reports** by running SQL queries on the exported data, and how to save the results in a convenient **CSV** or **Excel** format.

One-Time Setup (per Billing Account)

Follow these steps **once** to enable detailed billing export:

1. **Log in** to Google Cloud Console.
2. Open the ☰ **Menu → Billing**.
3. Select your **Billing Account**.
4. In the left panel, click **Billing Export**.
5. Choose **Export to BigQuery**.
6. Enable:
   - **Detailed usage cost data** (includes SKU, units, region, project, etc.)
   - (Optional) **Pricing data export** (for price lists)
7. Select or create a **BigQuery dataset** (e.g., billing_export).
8. Click **Save**.

Once saved, Google Cloud will begin pushing **daily billing data** into BigQuery automatically.

Generating & Downloading a Billing Report

Once export is enabled, you can query and download billing data for any given month.

Steps:

1. In Google Cloud Console, go to ☰ **Menu → BigQuery**.
2. Navigate to the dataset you created (e.g., billing_export).

3. Open the **table** (usually named something like gcp_billing_export_v1_*).

4. Click **Query → Query Table**.

5. Run a SQL query (example for **July 2025**):

```
SELECT
        invoice.month AS InvoiceMonth,

        project.id   AS ProjectID,

        service.id   AS ServiceID,

        service.description AS ServiceDescription,

        sku.id      AS SKUID,

        sku.description AS SKUDescription,

        location.region AS Region,

        usage.amount AS UsageAmount,

        usage.unit   AS UsageUnit,

        cost AS Cost,

        currency AS Currency,

        cost / currency_conversion_rate AS CostInUsd
FROM
        `billing_export.gcp_billing_export_v1_*`
WHERE
    invoice.month = "202507" -- July 2025
ORDER BY
    ServiceDescription, SKUDescription;
```

Note:

- Cost-related fields such as **Cost**, **Currency**, and **CostInUsd** are **optional**. However, fields including **InvoiceMonth, ProjectID, ServiceID, ServiceDescription, SKUID, SKUDescription, Region, UsageAmount, and UsageUnit** are **mandatory**.

- Please update the table name accordingly in the above query.

6. Click **Run**

- o The results will display in tabular format (similar to Excel).

Downloading the Report

1. After running the query, click **Save Results**.
2. Choose **CSV** (or **Excel**) format.
3. The downloaded file will contain **line-item details** for all services & SKUs.