

Release Notes

This page documents production updates to Cloud Billing. You can periodically check this page for announcements about new or updated features, bug fixes, known issues, and deprecated functionality.

You can see the latest product updates for all of Google Cloud on the [Google Cloud release notes \(/release-notes\)](#) page.

To get the latest product updates delivered to you, add the URL of this page to your [feed reader](#) (https://wikipedia.org/wiki/Comparison_of_feed_aggregators), or add the feed URL directly:
<https://cloud.google.com/feeds/billing-release-notes.xml>

August 12, 2020

FEATURE

Recommendations for Compute Engine committed use discounts are now available in **beta**. Recommendations provide you opportunities to optimize your compute costs by analyzing your VM spending trends and recommending committed use discount contracts. For understanding and purchasing committed use discount recommendations, see [the documentation](#) (https://cloud.google.com/billing/docs/how-to/cud-analysis-resource-based#understanding_commitment_recommendations).

August 07, 2020

FEATURE

You can now view a summary of all your spend-based committed use discounts (CUD) and purchase new commitments in the [commitment dashboard](#) (https://cloud.google.com/docs/cuds-spend-based#view_commitment_dashboard). The dashboard lists the **type** of commitment, **region** it's located, current **active** commitments, **term** length, and the **start** and **end** dates for the commitment. See [the documentation](#) (https://cloud.google.com/docs/cuds-spend-based#view_commitment_dashboard) for more details.

FEATURE

New columns added to Cost Table report: Credit ID and Credit name. Starting with your **July 2020** invoice month, the cost table report (<https://cloud.google.com/billing/docs/how-to/cost-table>) now includes columns for **Credit ID** and **Credit name**. Including credit details in the cost table report is especially useful for understanding project-level credits, or for analyzing the source of multiple credits of the same type, earned during the same invoice period (such as sustained usage discounts earned as usage increases).

When you first load the cost table report, the credit columns are hidden by default. You can use the column selector to customize the columns (https://cloud.google.com/billing/docs/how-to/cost-table#columns_in_the_cost_table) you view in the report as well as the columns you download to CSV. See the documentation (<https://cloud.google.com/billing/docs/how-to/cost-table>) for more details.

August 06, 2020

FEATURE

If you have a **negotiated pricing contract** associated with your Cloud Billing account, **starting with your July 2020 invoice**, the Cloud Billing report (<https://cloud.google.com/billing/docs/how-to/reports>) and the Cost Breakdown report (<https://cloud.google.com/billing/docs/how-to/cost-breakdown>) now support displaying your costs calculated using list prices, displaying your **negotiated savings** as a separate credit. This view helps you see how much money you are saving on your Google Cloud costs because of your negotiated pricing contract.

For information on how to view your list costs and negotiated savings in reports, see the documentation:

- Learn more about viewing negotiated savings in your Cloud Billing report (<https://cloud.google.com/billing/docs/how-to/reports#contract-pricing>).
- Learn more about viewing negotiated savings in your Cost Breakdown report (<https://cloud.google.com/billing/docs/how-to/cost-breakdown#negotiated-savings>)

July 23, 2020

FEATURE

Export your Cloud Billing account SKU prices to BigQuery. You can now export your pricing information for Google Cloud and Google Maps Platform SKUs to BigQuery. Exporting your pricing data allows you to audit, analyze, and/or join your pricing data with your exported cost data. The pricing export includes list prices, pricing tiers, and, when applicable, any promotional or negotiated pricing. See the [documentation](#)

(<https://cloud.google.com/billing/docs/how-to/export-data-bigquery>) for more details.

July 10, 2020

FEATURE

The [Cost Table report](#) (<https://cloud.google.com/billing/docs/how-to/cost-table>) functionality has been updated to add a **Table configuration** interface that replaces the previous *Group by* and *Label* selectors. Use the new **Table configuration** dialog to choose a **Label key** and select your **Group by** options. Additionally, the available **Group by** options have been enhanced to include a new **Custom grouping** option. Use custom grouping to view a [nested cost table](#) (https://cloud.google.com/billing/docs/how-to/cost-table#nested_table_view) with your costs grouped by up to three dimensions that you choose, including label values. See the [documentation](#) (<https://cloud.google.com/billing/docs/how-to/cost-table>) for more details.

June 23, 2020

FEATURE

Committed use discounts (CUDs) are now available to purchase for Cloud SQL. CUDs provide discounted prices in exchange for your commitment to use a minimum level of resources for a specified term. With spend-based committed use discounts for Cloud SQL, you can earn a deep discount off your cost of use in exchange for committing to continuously use database instances in a particular region for a 1- or 3-year term. See the [blog](#) (<https://cloud.google.com/blog/products/databases/cloud-sql-database-instances-now-discounted>) and [documentation](#) (<https://cloud.google.com/docs/cuds>) for more details.

May 29, 2020

FEATURE

Labels

(https://cloud.google.com/billing/docs/how-to/cost-table#columns_in_the_cost_table) column added to the flat table view

(https://cloud.google.com/billing/docs/how-to/cost-table#flat_table_view) of the Cloud Billing Cost Table report. The Cost Table report provides a tabular view of your invoice costs. You can quickly filter your costs by available fields, such as project, service, SKU, and labels (among other fields), and you can download the table to CSV for offline analysis. See the documentation

(<https://cloud.google.com/billing/docs/how-to/cost-table>) for more details.

May 27, 2020

CHANGED

New data property now available for Cloud Billing budget alerts that are configured for programmatically notifications

(<https://cloud.google.com/billing/docs/how-to/budgets-programmatic-notifications>). You set up a Cloud Billing budget to trigger an alert notification based on threshold rules (<https://cloud.google.com/billing/docs/how-to/budgets#alert-thresholds>) for *Actual* or *Forecasted* spend. Programmatic notifications triggered on **Forecasted** costs are now identified with the `forecastThresholdExceeded` property in the JSON object. See the documentation

(https://cloud.google.com/billing/docs/how-to/budgets-programmatic-notifications#notification_format) for more details.

May 21, 2020

FEATURE

Cloud Billing Budget API: new budget filters for groups of subaccounts and resource labels are now available in the Budget API. See the documentation

(<https://cloud.google.com/billing/docs/reference/budget/rest/v1beta1/billingAccounts.budgets>)

for more details.

May 18, 2020

FEATURE

Cloud Billing budgets emails: ensure your budget alert emails are seen by the right people using Cloud Monitoring notifications on your Cloud Billing budgets. By default, alert emails are sent to Billing Account Administrators. With the *Monitoring notifications* feature, you can customize your budget to send alerts to up to five additional email recipients you specify. See the [documentation](https://cloud.google.com/billing/docs/how-to/budgets-notification-recipients) (<https://cloud.google.com/billing/docs/how-to/budgets-notification-recipients>) for more details.

FEATURE

New information is now available on your **Cloud Billing** account **Overview** page in the **Cloud Console**, featuring at-a-glance summaries of the top five spending projects and top five spending products over the last 12 months.

To see the updated Billing Account Overview page, go to the [Manage billing accounts page](https://console.cloud.google.com/billing) (<https://console.cloud.google.com/billing>) in the Cloud Console and sign in, then select the name of the Cloud Billing account you want to view. The Billing Overview page is displayed with the **BILLING ACCOUNT OVERVIEW** tab selected. You might need to scroll the page to see all the features.

April 23, 2020

FEATURE

For customers with [self-serve/online](https://cloud.google.com/billing/docs/concepts#billing_account_types) (https://cloud.google.com/billing/docs/concepts#billing_account_types) Cloud Billing accounts, you can now find your Cloud Billing documents in the **Documents** page of the Cloud Billing console. In the Documents page, you can find your monthly invoices or statements, as well as tax documents, if applicable to your account. Before this launch, the Documents page was only available to customers viewing [invoiced](https://cloud.google.com/billing/docs/concepts#billing_account_types) (https://cloud.google.com/billing/docs/concepts#billing_account_types) Cloud Billing accounts, while self-serve/online accounts were limited to finding their Cloud Billing documents in the Transactions page. See the [documentation](https://cloud.google.com/billing/docs/how-to/get-invoice) (<https://cloud.google.com/billing/docs/how-to/get-invoice>) for more details.

CHANGED

Cost forecasts in Cloud Billing reports has been updated to calculate your forecasted spend up to 12 months in the future. Previously, the calculation forecasted your spend for the next 30 days. Cost forecasts make it easier to see at a glance how your costs are trending and how much you are projected to

spend over a time range you specify. See the [documentation](https://cloud.google.com/billing/docs/how-to/reports#cost-forecast) (https://cloud.google.com/billing/docs/how-to/reports#cost-forecast) for more information.

April 22, 2020

FEATURE

Budget alerts: new budget filters are now available. In addition to project and product filters, you can now scope your budgets and alerts for groups of subaccounts and resource labels. Budget alerts help you stay informed of how your spend is tracking against your budget so you can avoid billing surprises. (Note that these filters are not available in the Budgets API in this release.) See the [documentation](https://cloud.google.com/billing/docs/how-to/budgets) (https://cloud.google.com/billing/docs/how-to/budgets) for more details.

April 16, 2020

FEATURE

Discount sharing for committed use discounts is now available in **beta**. With discount sharing enabled, you can apply your purchased commitments across multiple projects within a single Cloud Billing account. Discount sharing helps you minimize the overhead of managing each of your commitments individually and provides increased flexibility so that you can use the compute options that best suit your needs, while also increasing cost predictability.

- For more information about enabling committed use discount sharing, see [Turning on committed use discount sharing](https://cloud.google.com/compute/docs/instances/signing-up-committed-use-discounts#turning_on_committed_use_discount_sharing) (https://cloud.google.com/compute/docs/instances/signing-up-committed-use-discounts#turning_on_committed_use_discount_sharing)
- For more information on the possible cost savings using committed use discount sharing, see [Understanding discount sharing](https://cloud.google.com/billing/docs/how-to/cud-analysis#understanding_discount_sharing) (https://cloud.google.com/billing/docs/how-to/cud-analysis#understanding_discount_sharing)

FEATURE

Cloud Billing console now has a Pricing report, providing a tabular view of the prices of Google's cloud services SKUs, including Google Cloud, Google Maps Platform, and G Suite. You can select to view the SKUs with historical usage on the billing account or all Google Cloud SKUs. If you have a negotiated contract, the pricing table will include the list price, the contract price and the effective discount. You can also download the table to CSV for offline analysis. See the [documentation](https://cloud.google.com/billing/docs/how-to/pricing-table) (https://cloud.google.com/billing/docs/how-to/pricing-table) for more details.

March 23, 2020

FEATURE

Billing health checks is now available on your **Cloud Billing** account **Overview** page in the **Cloud Console**. This feature automatically analyzes the health of your **Cloud Billing** account, then displays the results in a Billing health checks informational card, helping you avoid common billing-related issues and to adopt our [best-practice recommendations](#) (https://cloud.google.com/billing/docs/onboarding-checklist#checklist_3). In the info card, click **View all health checks** to view a page with detailed recommendations, explanations, and action items to remedy issues that could jeopardize the safety or condition of your Cloud Billing account.

To see the **Billing health checks** card, go to the [Manage billing accounts page](https://console.cloud.google.com/billing) (https://console.cloud.google.com/billing) in the Cloud Console and sign in, then select the name of the billing account you want to view. The Billing Overview page is displayed with the **BILLING ACCOUNT OVERVIEW** tab selected. Look for the card titled **Billing health checks**.

March 02, 2020

FEATURE

The Cost Table report now includes a nested table view, providing a hierarchical, tree-structured view of your cost data which is helpful when analyzing your billing data online. You can select your grouping options, filter your costs by project, service, and SKU (among other fields), and specify the table columns to be displayed. You can also download the table to CSV for offline analysis. See

the [documentation](https://cloud.google.com/billing/docs/how-to/cost-table) (https://cloud.google.com/billing/docs/how-to/cost-table) for more details.

December 04, 2019

FEATURE

The Cloud Billing reports now support filtering and grouping costs by User Labels. See the [documentation](https://cloud.google.com/billing/docs/how-to/reports#filtering_and_grouping) (https://cloud.google.com/billing/docs/how-to/reports#filtering_and_grouping) for more details. Learn more about [User Labels](https://cloud.google.com/resource-manager/docs/creating-managing-labels) (https://cloud.google.com/resource-manager/docs/creating-managing-labels).

December 01, 2019

CHANGED

Starting with your November 2019 invoice, we have removed project-level cost detail from your [Google Cloud invoices and statements](https://cloud.google.com/billing/docs/how-to/read-invoice) (https://cloud.google.com/billing/docs/how-to/read-invoice). If your organization currently processes the invoice CSV and requires project-level cost detail, [download the CSV from the Cost Table report](https://cloud.google.com/billing/docs/how-to/cost-table) (https://cloud.google.com/billing/docs/how-to/cost-table) and process it in place of the invoice CSV.

November 18, 2019

FEATURE

The Cloud Billing Committed Use Discounts (CUD) Analysis report is now available in GA. View the CUD Analysis report to easily visualize the effectiveness and financial impact of committed use discounts you have purchased. See the [documentation](https://cloud.google.com/billing/docs/how-to/cud-analysis) (https://cloud.google.com/billing/docs/how-to/cud-analysis) for more details. Learn more about [Committed Use Discounts](https://cloud.google.com/compute/docs/instances/signing-up-committed-use-discounts) (https://cloud.google.com/compute/docs/instances/signing-up-committed-use-discounts).

November 13, 2019

CHANGED

Cloud Billing data export to BigQuery now reports all service usage at an hourly granularity. For each reporting service in the export, this means that the `usage_start_time` and `usage_end_time` fields will report hourly data; that is, the usage end time will always be exactly one hour after the start time. This improves the consistency and data accuracy of your reporting data across all GCP services, while also providing support for future billing export changes. See the Cloud Billing [BigQuery export schema](https://cloud.google.com/billing/docs/how-to/export-data-bigquery#billing_data_in) (https://cloud.google.com/billing/docs/how-to/export-data-bigquery#billing_data_in) and [documentation](https://cloud.google.com/billing/docs/how-to/export-data-bigquery) (<https://cloud.google.com/billing/docs/how-to/export-data-bigquery>) for more details.

November 12, 2019

FEATURE

The Cloud Billing Budget API is now available in Beta. With the Budget API, you can view, create, and manage budgets programmatically at scale. Budget alerts help you stay informed of how your spend is tracking against your budget so you can avoid billing surprises. See the [documentation](https://cloud.google.com/billing/docs/how-to/budget-api-overview) (<https://cloud.google.com/billing/docs/how-to/budget-api-overview>) for more details.

September 25, 2019

FEATURE

The Cloud Billing reports page now supports URL bookmarking and sharing. As you configure your report by setting filters and groupings, your URL updates to include your selections. You can save your report settings by bookmarking the URL. You can share the report by copying the URL. See the [documentation](https://cloud.google.com/billing/docs/how-to/reports#changing_chart_settings) (https://cloud.google.com/billing/docs/how-to/reports#changing_chart_settings) for more details.

August 27, 2019

FEATURE

Set budget alerts on projects and products. New, more granular budget filters are now available, allowing you to scope your budgets and alerts for groups of projects and GCP services. Budget alerts help you stay informed of how your

spend is tracking against your budget so you can avoid billing surprises. See the [documentation](https://cloud.google.com/billing/docs/how-to/budgets) (https://cloud.google.com/billing/docs/how-to/budgets) for more details.

August 26, 2019

CHANGED

Billing Navigation—Invoices renamed to Documents: The **Invoices** page in the GCP Billing Console has been renamed to **Documents**. Additionally, the page has been refreshed to improve navigation. See the [documentation](https://cloud.google.com/billing/docs/how-to/get-invoice#get_your_invoice) (https://cloud.google.com/billing/docs/how-to/get-invoice#get_your_invoice) for more details.

August 22, 2019

FEATURE

The Cost Table report is now available in Cloud Billing. Use Cost Table reports to get a tabular view of your invoice costs grouped by project and SKU. You can quickly filter your costs by project, service, and SKU (among other fields), and you can download the table to CSV for offline analysis. See the [documentation](https://cloud.google.com/billing/docs/how-to/cost-table) (https://cloud.google.com/billing/docs/how-to/cost-table) for more details.

August 12, 2019

CHANGED

The Billing Account Overview page in the GCP Console was redesigned to provide you with an at-a-glance summary of your charges to date, estimated end-of-month charges, and any credit balances. The functionality of the previous overview page, such as [viewing the projects linked to a billing account](https://cloud.google.com/billing/docs/how-to/view-linked) (https://cloud.google.com/billing/docs/how-to/view-linked) or [viewing and updating billing permissions](https://cloud.google.com/billing/docs/how-to/billing-access#update_billing_permissions) (https://cloud.google.com/billing/docs/how-to/billing-access#update_billing_permissions), is now available in the new Account Management page.

- To see the **updated Billing Account Overview page**, go to the Google Cloud Platform Console [Manage billing accounts page](https://console.cloud.google.com/billing) (https://console.cloud.google.com/billing) and sign in, then select the name of

the billing account you want to view. The Billing Overview page is displayed with the **BILLING ACCOUNT OVERVIEW** tab selected. (Note that to view an at-a-glance summary of your payments and account balance, select the PAYMENT OVERVIEW tab.)

- To see the **new Account Management page**, go to the Google Cloud Platform Console [Manage billing accounts page](#) (<https://console.cloud.google.com/billing>), sign in, and select the name of the billing account you want to view. Then from the Billing menu on the left, click **Account management**.

June 26, 2019

FEATURE

Complete Billing Record in Reports: Starting with your May 2019 invoice (issued in early June 2019), you can configure your Cloud Billing reports to view your charges by invoice, including invoice-level charges (for example, taxes, contractual credits, or surcharges) and any rounding errors. Use this view to reconcile your Cloud Billing reports to your invoice, to the penny. See the [documentation](#) (<https://cloud.google.com/billing/docs/how-to/reports#invoice-charges>) for more details.

Cost Breakdown Reports: Cost Breakdown reports are now available in Cloud Billing. Use Cost Breakdown reports for a quick overview of how usage-based discounts and credits save you money on your GCP invoice. See the [documentation](#) (<https://cloud.google.com/billing/docs/how-to/cost-breakdown>) for more details.

June 11, 2019

FEATURE

The Cloud Billing Committed Use Discounts (CUD) Analysis report is now available in Beta. View the CUD Analysis report to easily visualize the effectiveness and financial impact of committed use discounts you have purchased. See the [documentation](#) (<https://cloud.google.com/billing/docs/how-to/cud-analysis>) for more details. Learn more about [Committed Use Discounts](#) (<https://cloud.google.com/compute/docs/instances/signing-up-committed-use-discounts>).

May 22, 2019

FEATURE

The Cloud Billing reports now support filtering and grouping costs by location, specifically geography (such as *Americas*), multi-region (such as *US*), or region (such as *us-east1*). See the [documentation](https://cloud.google.com/billing/docs/how-to/reports#filtering_and_grouping) (https://cloud.google.com/billing/docs/how-to/reports#filtering_and_grouping) for more details. Learn more about [Cloud locations](https://cloud.google.com/about/locations/) (<https://cloud.google.com/about/locations/>).

April 01, 2019

CHANGED

Cost forecasts in the Cloud Billing reports now includes both your long term cost trend as well as any consistent monthly cycles such as sustained use discounts. Including monthly cycles in your cost forecast makes it easier to see at a glance how how much you are projected to spend by the end of the month. See the [documentation](https://cloud.google.com/billing/docs/how-to/reports#cost-forecast) (<https://cloud.google.com/billing/docs/how-to/reports#cost-forecast>) for more details.

March 14, 2019

FEATURE

Budget alerts against forecasted costs: You can now configure budget alerts for when your costs are forecasted to exceed your budget. For each budget you have configured, you can set multiple budget alert threshold rules, triggered against either actual costs or forecasted costs, so you can stay informed of how your spend is tracking against your budget and avoid billing surprises. See the [documentation](https://cloud.google.com/billing/docs/how-to/budgets) (<https://cloud.google.com/billing/docs/how-to/budgets>) for more details.

February 04, 2019

FEATURE

Cloud Billing reports now support detailed credit types in the report settings.

Previously, costs were reported as cost before credits, credits, and cost after credits. The credit amount displayed was a sum of all possible credit types.

With this launch, you can now see what types of credits (discounts, promotions, etc.) comprise the credit amount displayed in the report. In the report settings, you can toggle on and off the different types of credits to customize your report views. See the [billing reports documentation](https://cloud.google.com/billing/docs/how-to/reports#credits) (<https://cloud.google.com/billing/docs/how-to/reports#credits>) for details.

December 13, 2018

FEATURE

Complete Billing Record in Export: Starting with your January 2019 invoice (issued in early February 2019) you can reconcile your Cloud Billing export to BigQuery to your invoice, to the penny. The export now includes a `cost_type` field to identify regular, tax, adjustment, and rounding error costs. See the [documentation](https://cloud.google.com/billing/docs/how-to/export-data-bigquery#billing_data_in) (https://cloud.google.com/billing/docs/how-to/export-data-bigquery#billing_data_in) and [example queries](https://cloud.google.com/billing/docs/how-to/bq-examples) (<https://cloud.google.com/billing/docs/how-to/bq-examples>) for more details.

Folders in Export: Cloud Billing export to BigQuery now includes the folder(s) and organization (if applicable) that a project belongs to (its project ancestry). This helps you do things like query costs by folder. See the [documentation](https://cloud.google.com/billing/docs/how-to/export-data-bigquery#project_ancestry) (https://cloud.google.com/billing/docs/how-to/export-data-bigquery#project_ancestry) for more details about `project.ancestry_numbers`.

November 30, 2018

FEATURE

Cloud Billing reports now support a bar chart view. See the [billing reports documentation](https://cloud.google.com/billing/docs/how-to/reports#bar-chart) (<https://cloud.google.com/billing/docs/how-to/reports#bar-chart>) for details.

September 17, 2018

FEATURE

Cloud Billing export to BigQuery now includes additional location and system label fields to let you examine your cost data in more granular detail. Location details allow you to view your costs in each GCP region and zone, where supported by the service. System labels allow you to segment your costs by virtual machine type, number of cores, or amount of RAM. The

[compute.googleapis.com/machine_spec](https://cloud.googleapis.com/machine_spec)

(https://cloud.google.com/billing/docs/how-to/export-data-bigquery#available_system_labels)

system label should now be used in place of `sku.description` to query costs by virtual machine family and geometry. See the [documentation](#)

(https://cloud.google.com/billing/docs/how-to/export-data-bigquery#system_labels) for more details about the new fields.

August 06, 2018

FEATURE

A new Cloud Billing IAM permission is now available that gives you finer control over what cost data your users can see. You can now use

[billing.resourceCosts.get](#)

(<https://cloud.google.com/billing/docs/how-to/billing-access>) to grant project-specific access to cost data like [billing reports](#)

(<https://cloud.google.com/billing/docs/how-to/reports>). The new permission was

added on 08-6, 2018. To give you time to set up your users with the correct

permissions, the new permission will not be enforced until 08-20, 2018. See the

[documentation](#) (<https://cloud.google.com/billing/docs/how-to/billing-access>) for more details.

July 09, 2018

FEATURE

Cost forecasts are now available as a GA feature in Cloud Billing reports. Cost forecasts make it easier to see at a glance how your costs are trending and how much you are projected to spend. See the [blog](#)

(<https://cloudplatform.googleblog.com/2018/07/predict-your-future-costs-with-google-cloud-billing-cost-forecast.html>)

and [documentation](#)

(<https://cloud.google.com/billing/docs/how-to/reports#cost-forecast>) for more details.

May 31, 2018

FEATURE

Cloud Billing export to BigQuery now includes the invoice month (`invoice.month`) that the cost line item appears on. See the [export schema documentation](https://cloud.google.com/billing/docs/how-to/export-data-bigquery#billing_data_in) (https://cloud.google.com/billing/docs/how-to/export-data-bigquery#billing_data_in) and [example queries](https://cloud.google.com/billing/docs/how-to/bq-examples) (<https://cloud.google.com/billing/docs/how-to/bq-examples>) for more details.

May 22, 2018

FEATURE

Cloud Billing programmatic notifications for budget alerts is now available in GA. You can configure programmatic notifications to receive Cloud Pub/Sub messages about the current status of your budget. See the [blog](https://cloudplatform.googleblog.com/2018/05/Better-cost-control-with-Google-Cloud-Billing-programmatic-notifications.html) (<https://cloudplatform.googleblog.com/2018/05/Better-cost-control-with-Google-Cloud-Billing-programmatic-notifications.html>) and [documentation](https://cloud.google.com/billing/docs/how-to/budgets#manage-notifications) (<https://cloud.google.com/billing/docs/how-to/budgets#manage-notifications>) for more details.

April 24, 2018

FEATURE

Cloud Billing reports are now available in GA. Billing reports let you quickly chart your billing account's cloud spending. See the [blog](https://cloudplatform.googleblog.com/2018/03/understand-your-spending-at-a-glance-with-Google-Cloud-Billing-reports-beta.html) (<https://cloudplatform.googleblog.com/2018/03/understand-your-spending-at-a-glance-with-Google-Cloud-Billing-reports-beta.html>) and [documentation](https://cloud.google.com/billing/docs/how-to/reports) (<https://cloud.google.com/billing/docs/how-to/reports>) for more details.

March 30, 2018

FEATURE

Cloud Billing programmatic notifications for budget alerts is now available in Beta. You can configure programmatic notifications to receive Cloud Pub/Sub messages about the current status of your budget. See the [documentation](#)

(<https://cloud.google.com/billing/docs/how-to/budgets#manage-notifications>) for more details.

March 20, 2018

FEATURE

Cloud Billing reports are now available in Beta. Billing reports let you quickly chart your billing account's cloud spending. See the [blog](https://cloudplatform.googleblog.com/2018/03/understand-your-spending-at-a-glance-with-Google-Cloud-Billing-reports-beta.html) (<https://cloudplatform.googleblog.com/2018/03/understand-your-spending-at-a-glance-with-Google-Cloud-Billing-reports-beta.html>) and [documentation](https://cloud.google.com/billing/docs/how-to/reports) (<https://cloud.google.com/billing/docs/how-to/reports>) for more details.

February 27, 2018

FEATURE

The Cloud Billing Catalog API is now available in GA. The Catalog API offers programmatic access to pricing metadata on [Cloud Platform SKUs](https://cloud.google.com/skus) (<https://cloud.google.com/skus>). See the [blog](https://cloudplatform.googleblog.com/2018/02/introducing-Cloud-Billing-Catalog-API-GCP-pricing-in-real-time.html) (<https://cloudplatform.googleblog.com/2018/02/introducing-Cloud-Billing-Catalog-API-GCP-pricing-in-real-time.html>) and [documentation](https://cloud.google.com/billing/v1/how-tos/catalog-api) (<https://cloud.google.com/billing/v1/how-tos/catalog-api>) for more details.

November 15, 2017

FEATURE

Cloud Billing export to BigQuery is now available in GA. BigQuery billing export regularly publishes new SKU usage and cost data to your BigQuery dataset. You can write SQL queries to understand your spending and use the BigQuery dataset to drive visualization tools like [Data Studio](https://cloud.google.com/data-studio/) (<https://cloud.google.com/data-studio/>). See the [blog](https://cloudplatform.googleblog.com/2017/11/monitor-and-manage-your-costs-with.html) (<https://cloudplatform.googleblog.com/2017/11/monitor-and-manage-your-costs-with.html>) and [documentation](https://cloud.google.com/billing/docs/how-to/export-data-bigquery) (<https://cloud.google.com/billing/docs/how-to/export-data-bigquery>) for more details.

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