

✔ Congratulations! You passed!

Grade received 100% To pass 100% or higher

Go to next item

To pass this optional practice quiz, you must receive 100%, or 1 out of 1 point, by completing the following activity. You can learn more about graded and practice items in the [course overview](#).



Activity Overview

In this activity, you will create a Google Cloud Platform (GCP) account, which will enable you to access GCP products like Google Dataflow and BigQuery. Google Dataflow is a serverless data-processing service that reads data from the source, transforms it, and writes it to the destination location. BigQuery is a data warehouse used to query, filter large datasets, aggregate results, and perform complex operations. After creating your GCP account, you will open the Dataflow application and be guided through exploring the tool. In upcoming activities, you will work in both Dataflow and Big Query to complete BI-specific tutorials and exercises.

Please note that:

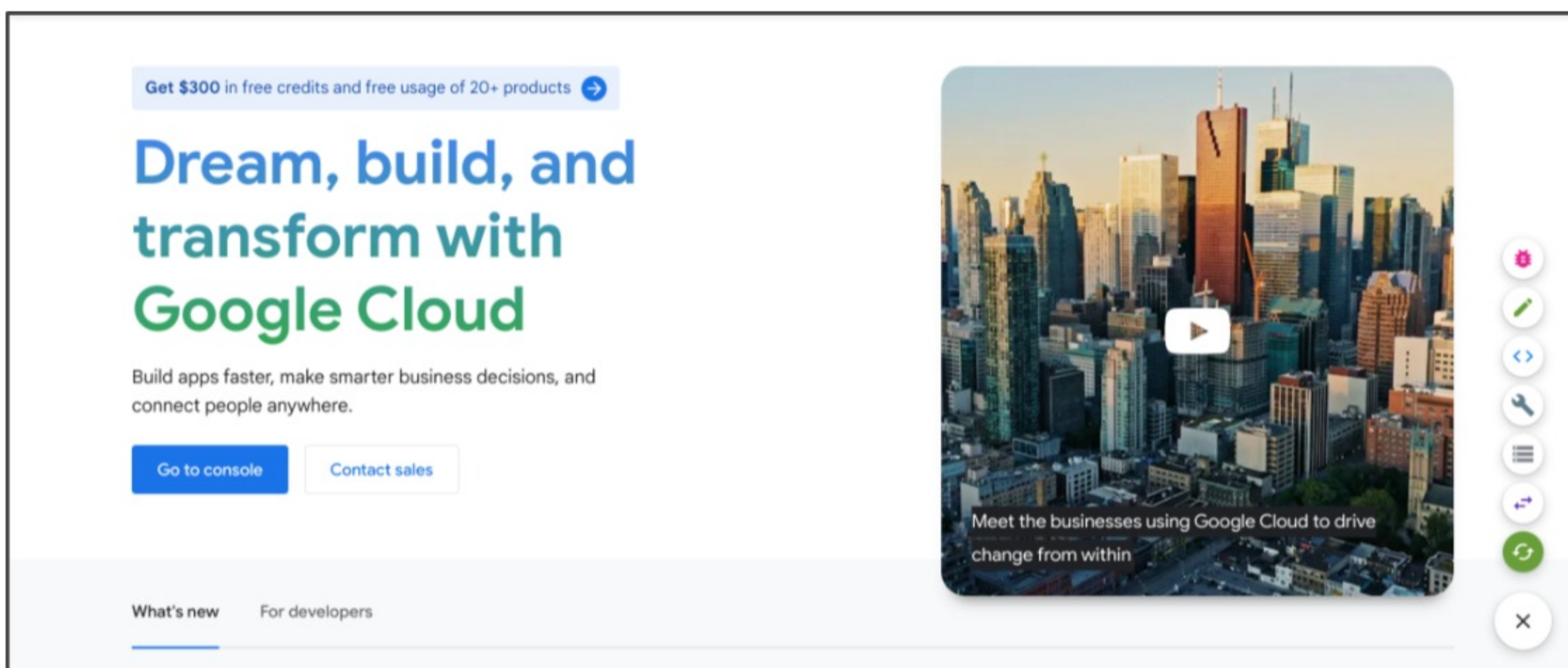
- **This activity is optional and will not prevent you from completing this course or receiving your certificate.** Google Dataflow and BigQuery are Google Cloud products that you can try at no cost. You will need to fill out your credit card information to begin your trial, but you will not be charged if you follow the free trial's terms. You will be able to complete all of the activities in this course while staying within the limits of Google Cloud free trial. For more information, review this article about [free cloud features and a trial offer](#).
- **If you already have a Google Cloud account,** skip to the next course item, a [guide to Dataflow](#).
- **If you would prefer not to create a billing account with GCP,** you can create a BigQuery sandbox account. With the sandbox, you can complete all upcoming BigQuery activities. You can learn more about the BigQuery sandbox and how to create one in the reading about [BigQuery account options](#) and the activity about [setting up a sandbox and query a public dataset in BigQuery](#).
- **If you don't create a GCP billing account,** you won't be able to complete the optional activities that use Dataflow; however, you can still learn about Dataflow in the next course item, a [guide to Dataflow](#).

Step-By-Step Instructions

Follow the instructions to complete each step of the activity. Then, answer the questions at the end of the activity before going to the next course item.

Step 1: Log into the sandbox with your Google account

Go to the [Google Cloud home page](#) and click the **Get started for free** button.



Step 2: Enter your account information

Complete the two-step process to sign up for a Google Cloud account. First, enter your account information. Select your country and select "Other" to answer the question "What best describes your organization or needs?" Then accept the terms of service and click **Continue**.

Step 3: Enter your payment information for verification

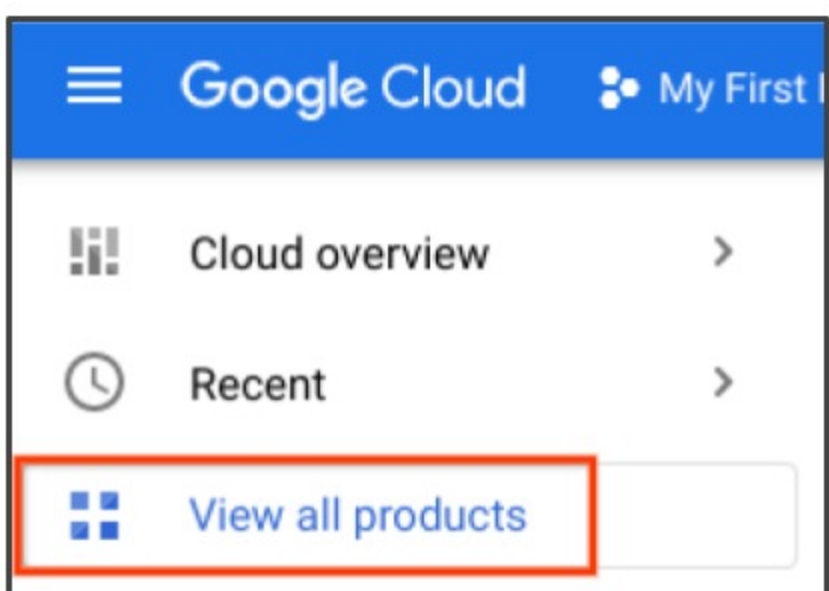
To verify that you are a real person, Google Cloud requires credit card information. You will not be charged unless you manually upgrade to a paid account.

Select **Individual** for your Account type and fill in your credit card information. Then, click **START MY FREE TRIAL**.

Step 4: Open Dataflow

Complete the quick survey that pops up after you create your account and click **DONE**. Then click **SKIP FOR NOW** on the tutorials page.

Open the main menu and click **View all products**. This will take you to a page with a list of all Google Cloud products now available to you, including Dataflow and BigQuery (which you'll explore in later activities).



To access Dataflow, scroll to the **Analytics** category and select **Dataflow**.

Analytics	Name	Description
Collect, store, process and analyse large amounts of data	BigQuery	Data warehouse/analytics
	Pub/Sub	Global real-time messaging
	Dataflow	Streaming analytics service

Step 5: Explore Dataflow

Open the [guide to Dataflow](#) reading that follows this course item. Follow the directions to navigate the tool and become familiar with its features and functionality.

1. Did you complete this activity?

1 / 1 point

- Yes
 No

✔ **Correct**
Thank you for completing this activity! Creating your Google Cloud account will help you complete the important activities coming up in this course.

2. What are some products useful for BI tasks that you can access with a Google Cloud Platform (GCP) account? Select all that apply.

1 / 1 point

- Oracle Data Integrator
 Talend
 Dataflow

✔ **Correct**
A GCP account enables you to access BI products like Dataflow and BigQuery. In upcoming activities, you will work in both Dataflow and Big Query to complete BI-specific tutorials and exercises.

- BigQuery

✔ **Correct**
A GCP account enables you to access products like Dataflow and BigQuery. In upcoming activities, you will work in both Dataflow and Big Query to complete BI-specific tutorials and exercises.

3. Which Google Cloud Platform service reads data from the source, transforms it, and writes it to the destination location?

1 / 1 point

- Dataflow
 Tableau
 R
 BigQuery

✔ **Correct**
Dataflow is a serverless data-processing service that reads data from the source, transforms it, and writes it in the destination location.

4. In which section of the Dataflow console can you create and save shareable Jupyter notebooks with live code?

1 / 1 point

- Workbench
 Jobs
 Pipelines
 Snapshots
 SQL Workspace

✔ **Correct**
The Workbench section is where you can create and save shareable Jupyter notebooks with live code. This is helpful for first-time ETL tool users to check out examples and visualize the transformations.