

Streaming IoT Data to Cloud Storage

Devices - IoT Core - qwiklabs-g...

https://www.qwiklabs.com/focuses/2765?parent=catalog

End Lab 00:05:02

Caution: When you are in the console, do not delete from the lab instructions. Doing so may cause your account to be blocked. [Learn more](#)

[Open Google Console](#)

Username student-81-e2aa7cb955f9

Password j18GyV950k4

SCP Project ID qwiklabs-gcp-81-5ae06571

Region us-central1

Zone us-central1-a

A Cloud Storage bucket name can only be modified after creation.


☒ True

☐ False

### Congratulations!

In this lab you received hands-on practice with the Cloud Storage, Cloud Pub/Sub, Compute Engine, and IoT Core services. After creating a Pub/Sub topic and a Cloud Storage bucket, you created a Dataflow job from the Cloud Pub/Sub to Text Files on Cloud Storage template. From there, you configured a virtual machine to stream telemetry data to two sample devices and a text file hosted in a Cloud Storage bucket.

#### Finish Your Quest



This self-paced lab is part of the Qwiklabs IoT in the Google Cloud. A Quest is a series of related labs that form a learning path. Completing this Quest earns you the badge above, to recognize your achievement. You can make your badge (or badges) public and link to them in your online resume or social media account. [Enroll in this Quest](#) and get immediate completion credit if you've taken this lab. [See other available Qwiklabs Quests](#).

GSP278 100/100

Overview

Objectives

Setup and Requirements

Cloud Pub/Sub setup and topics

Setting topic permissions

Create a location for data storage

Start a Dataflow job

Prepare Your Compute Engine VM

Open IoT Core

Create a Cryptographic Keypair

Run simulated devices

Stop the Dataflow job

Test your Understanding

Congratulations!

Edge AI: On-Demand Acceleration

Content

Building an IoT Analytics Pipeline

SQL workspace - BigQuery - qwiklabs-gcp-83-89a767a1

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End Lab 00:31:08

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Username student-83-5aa5f07f76b38

Password R977Kai8b



SCP Project ID qwiklabs-gcp-83-89a767a1

Region us-central1

Zone us-central1-a

### Congratulations!

In this lab, you used Cloud IoT Core and other services on Google Cloud to collect, process, and analyze IoT data.



#### Finish your Quest

This self-paced lab is part of the Qwiklabs IoT in the Google Cloud and Data Engineering Quests. A Quest is a series of related labs that form a learning path. Completing a Quest earns you a badge to recognize your achievement. You can make your badge (or badges) public and link to them in your online resume or social media account. Enroll in a Quest and get immediate completion credit if you've taken this lab. [See other available Qwiklabs Quests](#).

#### Take Your Next Lab

Continue your Quest with [ETL Processing on Google Cloud Using Dataflow and BigQuery](#), or check out these suggestions:

- [Predict Visitor Purchases with a Classification Model in BQML](#)
- [Predict Housing Prices with Tensorflow and AI Platform](#)

#### Next steps

- Read the [Getting Started guide for Cloud IoT Core](#).
- For more information, see [Overview of Internet of Things](#)

GSP088 100/100

Overview

Setup and Requirements

Create a Cloud Pub/Sub topic

Create a BigQuery dataset

Create a cloud storage bucket

Set up a Cloud Dataflow Pipeline

Prepare your compute engine VM

Create a registry for IoT devices

Create a Cryptographic Keypair

Add simulated devices to the registry

Run simulated devices

Analyze the Sensor Data Using BigQuery

Test your Understanding

Congratulations!

Completed Labs

✓	Building an IoT Analytics Pipeline on Google Cloud	Completed about 4 hours ago
✓	Streaming IoT Data to Cloud Storage	Completed about 23 hours ago
✓	Internet of Things: Qwik Start	Completed 3 days ago
✓	Google Cloud Pub/Sub: Qwik Start - Console	Completed 4 days ago
✓	Google Cloud Pub/Sub: Qwik Start - Console	Completed 4 days ago
✓	A Tour of Qwiklabs and Google Cloud	Completed 10 days ago