

Google Cloud Pub/Sub

Tags: Google Cloud, [Python](#)

Introduction

Pub/Sub is an autonomous event-based message delivery system that you can use to perform an action or execute a script/code after a certain event has occurred somewhere else in the system. Google Cloud provides this as a service. You create 'Topics' that scripts/programs can 'Subscribe' to and receive an event whenever it is 'Published'. There can be different types of events, whether user defined or vendor provided.

Objectives:

Uploader.py uploads an object to GCS.

Receiver.py prints out the event received.

Instructions:

- Create a Pub/Sub topic
- Create notifications for a GCS bucket. (<https://cloud.google.com/storage/docs/reporting-changes#console>)
- Receiver.py subscribes to the topic.
- Uploader.py pushes objects to GCS. (<https://cloud.google.com/storage/docs/uploading-objects#storage-upload-object-code-sample>)
- Receiver.py should automatically receive the event and print it out.
- Use *interns_bucket_asdfjiw* for the bucket.
- Ask a senior for the credentials file. A project will be created for you with the necessary permissions.

Refer to the Pub/Sub Python client documentation for details on how to subscribe to topics.