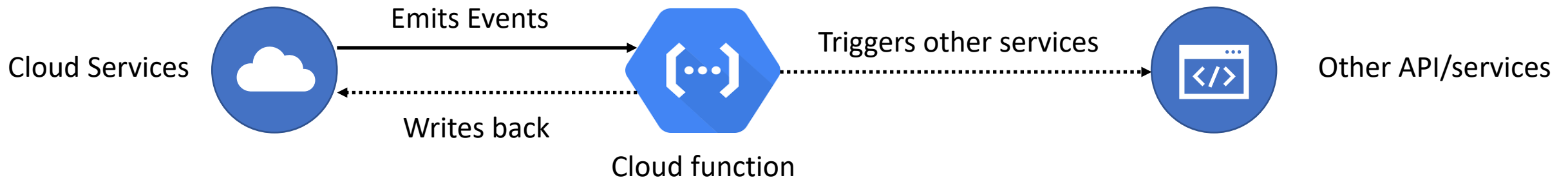


# GOOGLE CLOUD FUNCTIONS

- Google cloud function is a lightweight serverless computing used for event-driven processing.
- Cloud Functions runs in response to an event



- Cloud function supports Java, Python3 and Go programming languages
- Cloud Functions are used to call other services, such as third-party application programming interfaces (APIs) or other GCP services, like a natural language translation service
- Cloud Functions environment must be short-running code.

# GOOGLE APP ENGINE



- Google APP Engine is a Platform as a service offering of GCP
- It is a serverless computing which allows users to run their code in a computing environment that does not require setting up VMs or Kubernetes clusters
- Supports multiple programming language such as Java, python, Node.js or Go.
- Google App Engine has several built-in APIs and services that allow developers to build robust and feature-rich apps
- There are 2 types of APP Engine
  - Standard APP Engine

Applications are isolated from the server's operating system as well as from other applications running on that server.  
No need for operating system packages or other compiled software that would have to be installed along with the application code
  - Flexible APP Engine

Users run Docker containers in the App Engine environment  
They require libraries or other third-party software to be installed to run an application code