

Working with HTTP Cloud Functions



Janani Ravi

CO-FOUNDER, LOONYCORN

www.loonycorn.com

Overview

Types of Cloud Functions

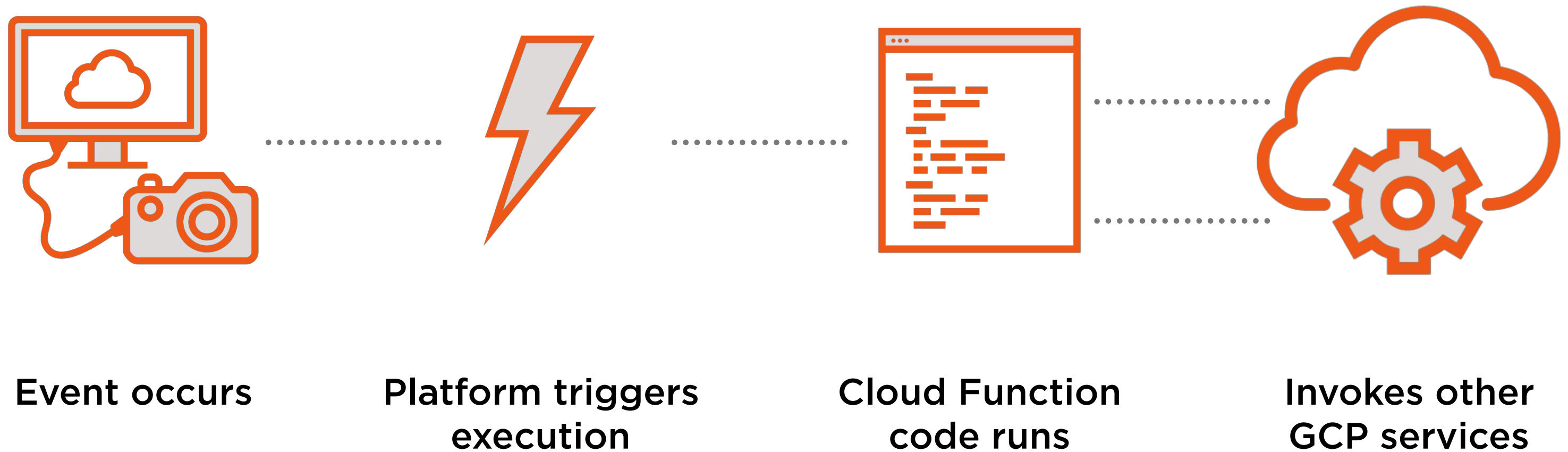
HTTP functions in Python and Node.js

Deploying and invoking HTTP functions

Parsing multiple content types in the request

Parsing multipart data

Event-driven Serverless Compute



Event-driven Serverless Compute



Event occurs



Platform triggers
execution



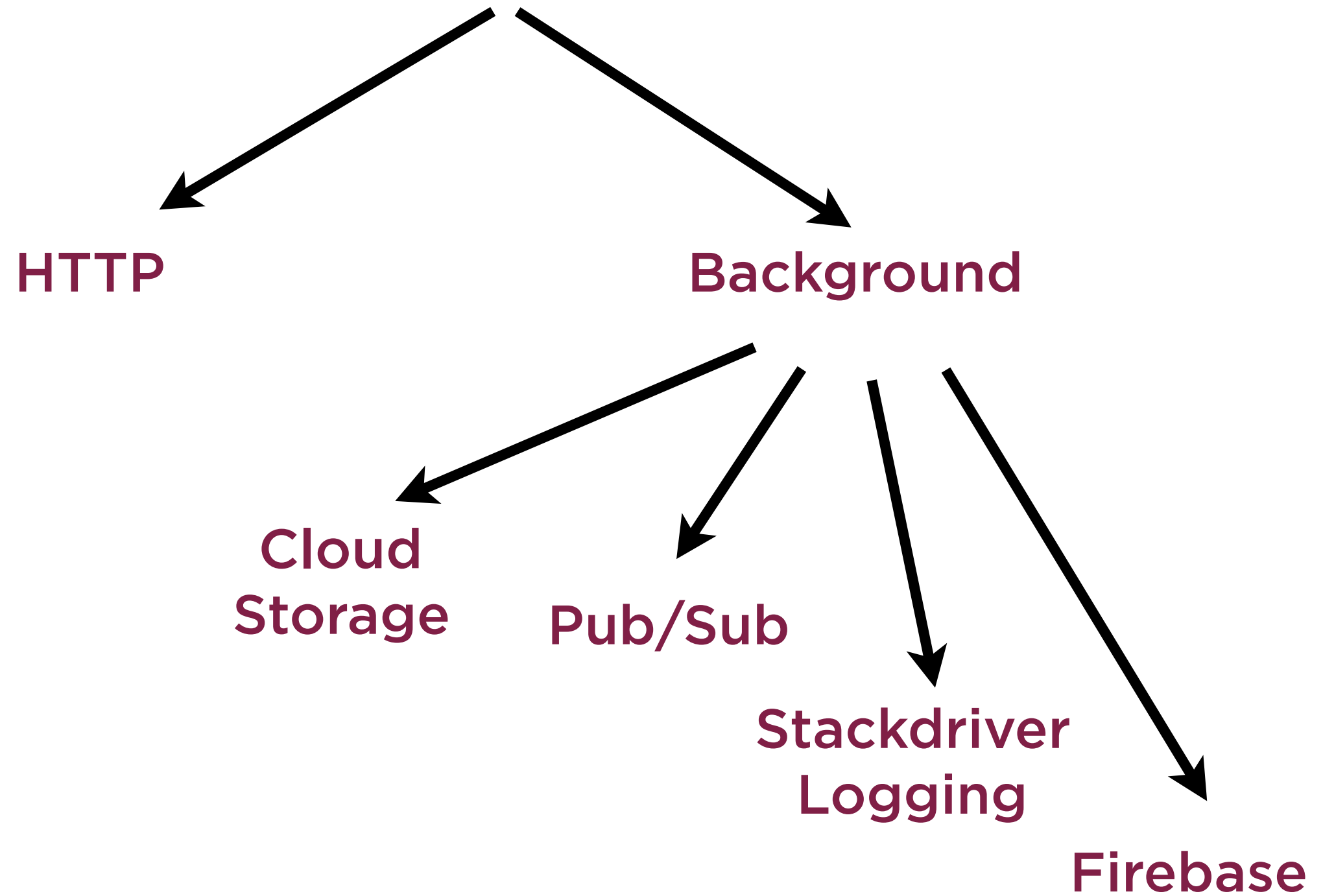
Cloud Function
code runs



Invokes other
GCP services

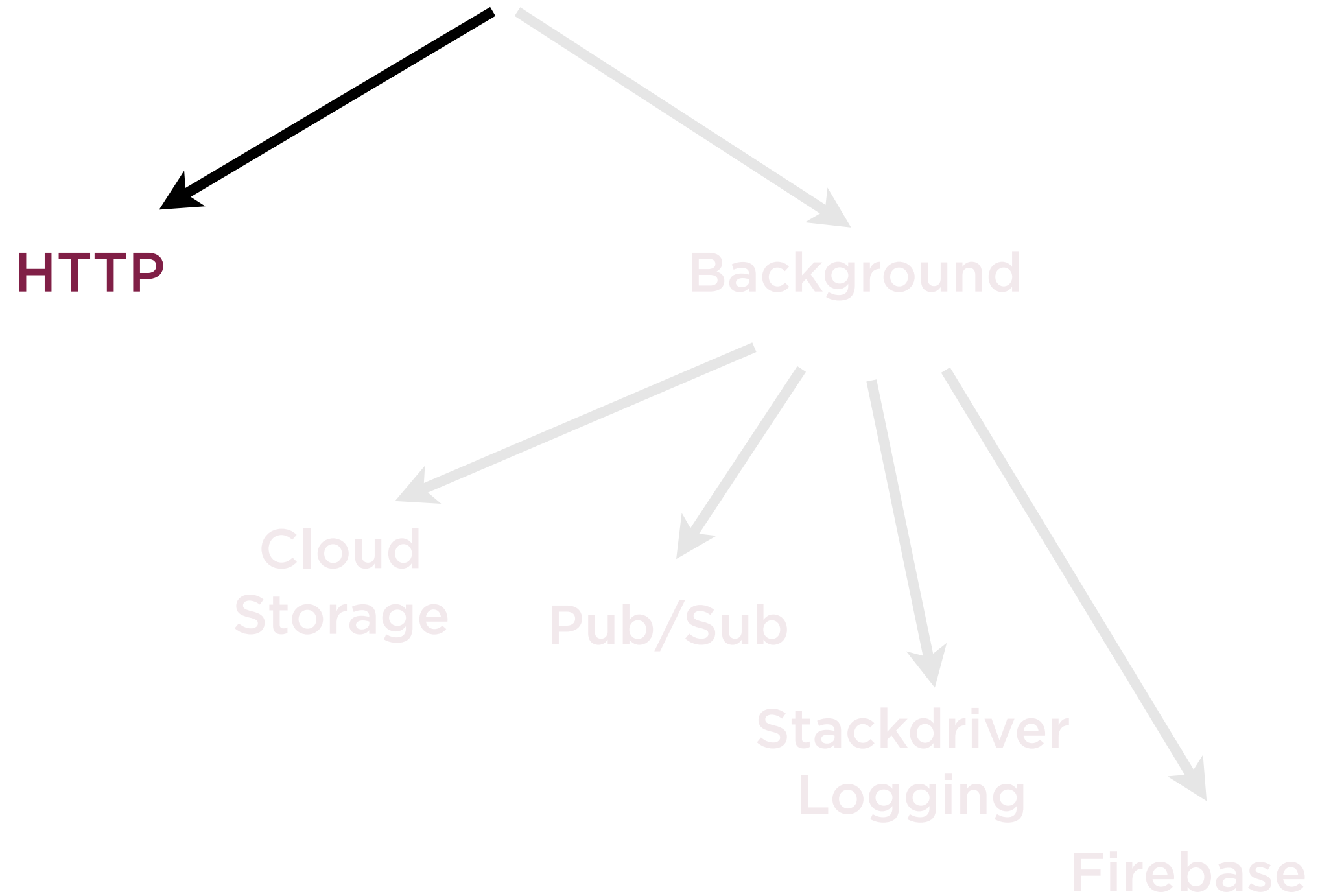


Types of Events



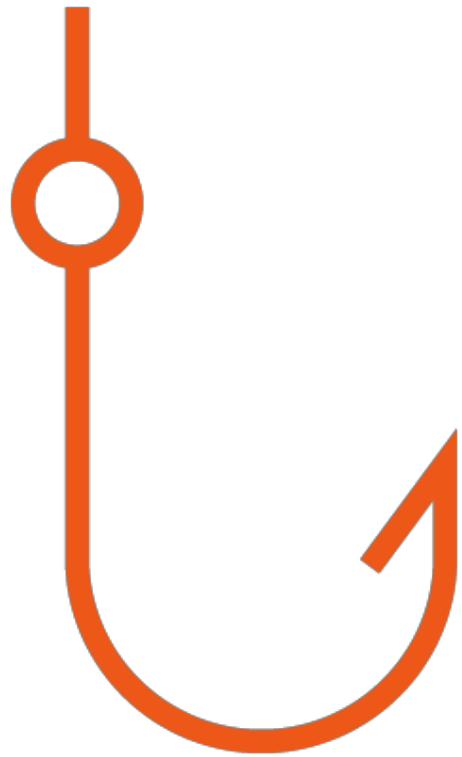


Types of Events



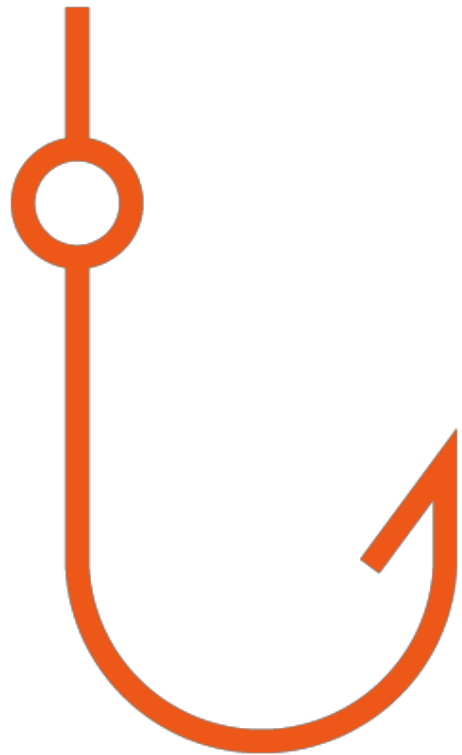


HTTP functions are
useful to implement
WebHooks an event
notification via HTTP
POST requests



Cloud Functions can be invoked with HTTP requests

- POST
- GET
- PUT
- DELETE
- OPTIONS



Parameters passed in HTTP Request

Return value in HTTP Response

Synchronous from caller's perspective

Demo

Implementing HTTP functions in Node.js

Testing functions using direct triggers

Deploying functions using the command line

Demo

Implementing HTTP functions in Python

Parsing multiple content types

Demo

Parsing XML content in requests

Demo

Handling GET and PUT HTTP methods

Demo

Handling multipart data

Form data which includes fields and files

Upload files to Cloud Storage

Summary

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