Triggering Firebase Functions

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What You Will Learn

Cloud Firestore Triggers

Realtime Database Triggers

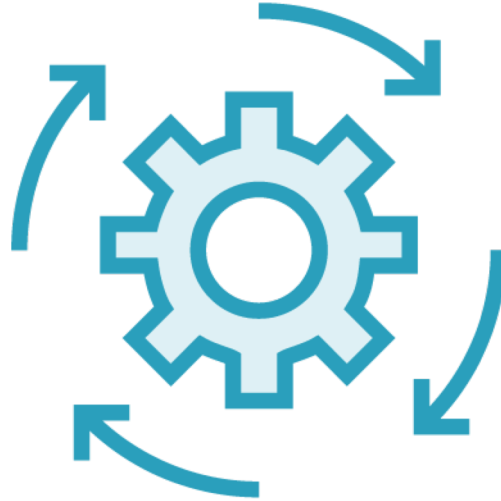**Authentication Triggers**

Cloud Storage Triggers

Triggers on Cloud Firestore Changes

Cloud Firestore Function Lifecycle:

Wait

Trigger

Receive

Cloud Firestore Supports:

Event type	Trigger
onCreate	Document is created
onUpdate	Document is updated
onDelete	Document is deleted
onWrite	Any change

It is not possible to add events to specific fields

Demo

Cloud Firestore Triggers

Handling Cloud Firestore Event Data

Handling Event Data

Reading Data

Writing Data

Using Wildcards and Parameters
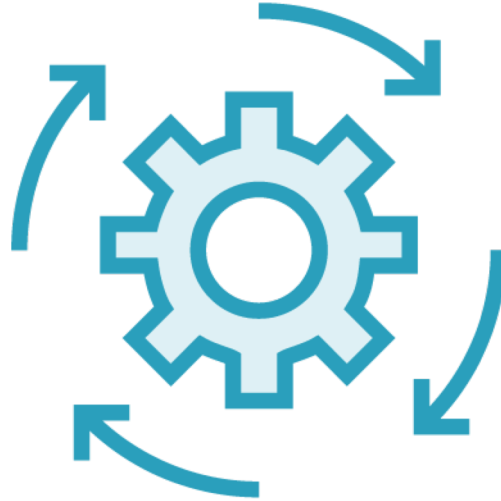
Demo

Handling Event Data

Triggers on Realtime Database Changes

Realtime Database Function Lifecycle:

Wait

Trigger

Receive

Event Handlers for Realtime Database:

onWrite()

onCreate()
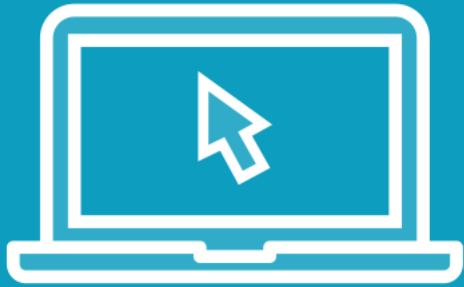
onUpdate()

onDelete()

Demo

Realtime Database Triggers

Handling Realtime Database Event Data

Demo

Handling Realtime Database
Event Data

Working with Firebase Authentication

User Creation Events:

A user creates an account

A user signs in for the first time

An account is created via Firebase SDK

A user signs in to a new anonymous auth session for the first time

A Cloud Functions event
is *not* **triggered** when a user signs
in using a custom token

Demo

Working with Firebase Authentication

Triggers on Cloud Storage Changes

functions.storage

Cloud Storage Supported Events:

onArchive

onDelete

onFinalize

onMetadataUpdate

Demo

Triggers on Cloud Storage Changes

Accessing Storage Object Attributes

Demo

Accessing Storage Object Attributes

Summary

Triggering and Handling Event Data
- Cloud Firestore
- Realtime Database
- Firebase Authentication
- Cloud Storage