Ciao!

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- Google Developer Expert Firebase
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women⁺

in Firebase

A global network of women and non-binary people who are passionate about Firebase.

The 'Wow' Factor: Firebase Extensions Unveiled

Ease of Use

Explore Extensions in the Hub

Stream Collections to BigQuery

Made by Firebase

Sends realtime, incremental updates from a specified Cloud Firestore collection to BigQuery.

Search with Algolia

Made by Algolia

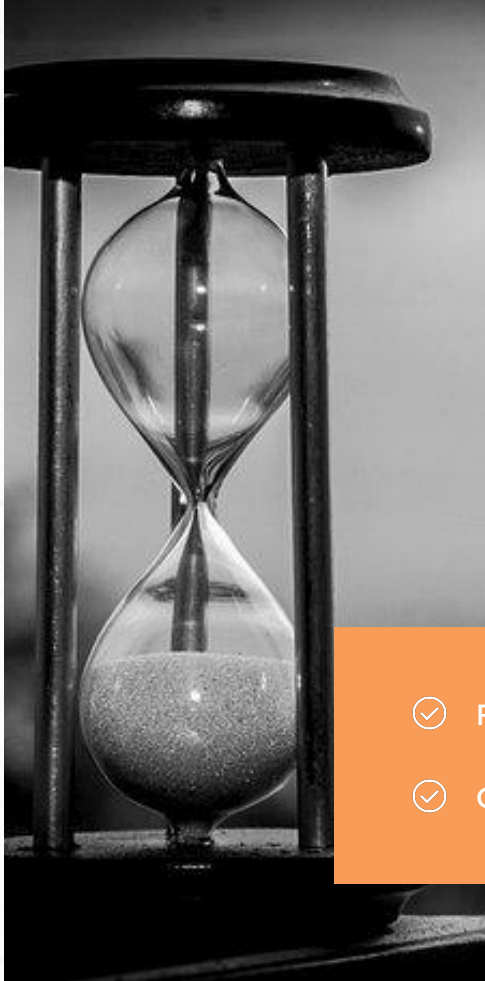Enables full text search of your Cloud Firestore data with Algolia.

Run Payments with Stripe

Made by Stripe

Controls access to paid content by syncing your one-time and recurring payments with Firebase Authentication.

Install   Learn more

Install   Learn more

Install   Learn more

🔥 Firebase Extensions Hub

🔍 Search extensions

Categories ⌃

☐ 🌐 AI

☐ ✉ Marketing

☐ 💬 Messaging

☐ 💳 Payments

☐ 🔍 Search

☐ 🚚 Shipping

☐ 👥 Social

☐ 🔧 Utilities

Trending ⌃

☐ 💡 Spotlight

☐ ⚙ Popular

Firebase products ⌃

☐ 👥 Authentication

☐ ☁ Cloud Firestore

☐ 🗄 Cloud Storage

☐ 🗃 Realtime Database

Stream Firestore to BigQuery

Made by Firebase ✅

Sends realtime, incremental updates from a specified Cloud Firestore collection to BigQuery.

🔧 Utilities

Install   View details

52.4K+ installs

Trigger Email from Firestore

Made by Firebase ✅

Composes and sends an email based on the contents of a document written to a specified Cloud Firestore...

💬 Messaging

Install   View details

20.3K+ installs

Resize Images

Made by Firebase ✅

Resizes images uploaded to Cloud Storage to a specified size, and optionally keeps or deletes the original...

🔧 Utilities

Install   View details

19.1K+ installs

Search Firestore with Algolia

Made by Algolia ✅

Enables full text search of your Cloud Firestore data with Algolia.

🔍 Search

Run Payments with Stripe

Made by Stripe ✅

Controls access to paid content by syncing your one-time and recurring payments with Firebase Authentication.

💳 Payments

Delete User Data

Made by Firebase ✅

Deletes data keyed on a userId from Cloud Firestore, Realtime Database, or Cloud Storage when a user deletes the...

🔧 Utilities

Real world applications

The power of community

Always check what community is behind a technology

Lala Tips

How to...

Always check the latest version at Firebase documentation

✓ Install Firebase Cli

✓ Initialize Firebase

✓ Add Extension

✓ Configure and Deploy

✓ Extension in Action

Stripe

Controls access to paid content by syncing your one-time and recurring payments with Firebase Authentication.

12.2k+ installs

Install Firebase CLI

```
npm install -g firebase-tools
```

Initialize Firebase

```
firebase init
```

Add Stripe Extension

```
firebase ext:install stripe/stripe-checkout
```

Configure Stripe

Home   Payments   Balances   Customers   Products   Billing   Reports   Connect   More ⌄

Developers   Test mode ⬤

TEST DATA

Developers

Overview   API keys   Webhooks   Events   Logs   Apps

Your integration

4h 12h 24h **1w**

Integration status
Make a test payment

Step 1 / 4

Copy your test API keys and use them to make a test payment.

Publishable key   pk_test_51NtusyCN4tznrnqERWoB9...

Secret key   ············· 👁

Skip →   Browse docs ↗

API requests

Successful   Failed
0   0

17 Sep   Today

API error distribution

GET   POST   DELETE
0   0   0

17 Sep   Today

Webhooks

Successful   Failed
0   0

17 Sep   Today

Webhooks response time

No recent webhook attempts

17 Sep   Today

Recent errors

2 🔽

✓

Everything looks good
Come back later for more!

API version

2023-08-16   Default   Latest

Test data

Clear out all your test data in one fell swoop.

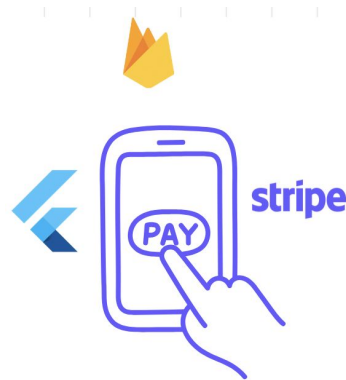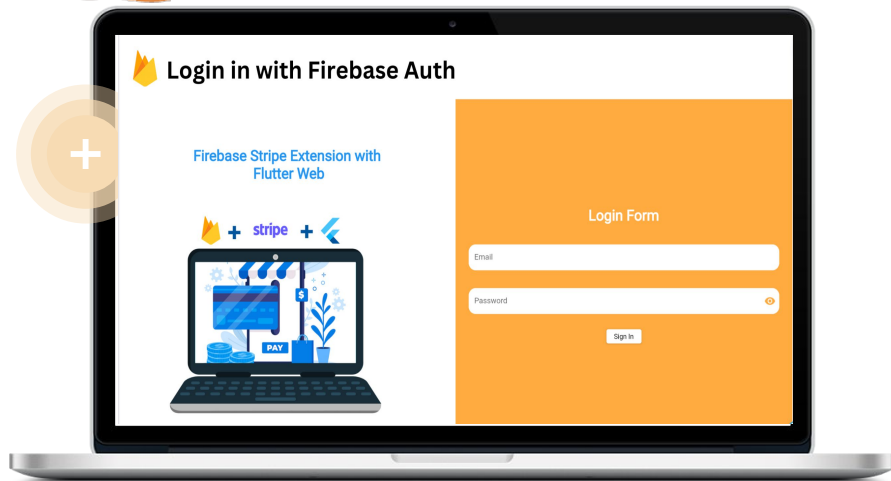Delete all test data...

Set env variables

```javascript
const functions = require('firebase-functions');
const stripe = require('stripe')(functions.config().stripe.secret);
```
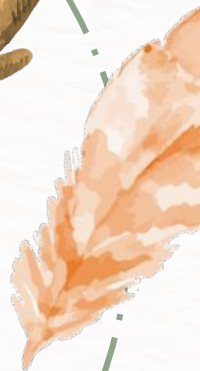
Deploy

```
firebase deploy --only functions
```

Integrate with Flutter Web

How TO

Flutter Web is easy to use even for the muggles
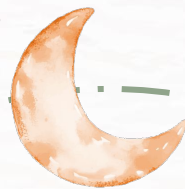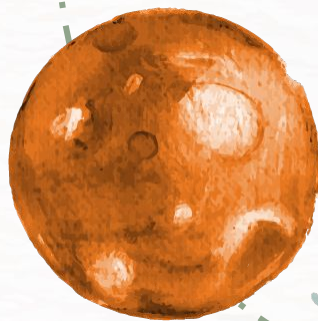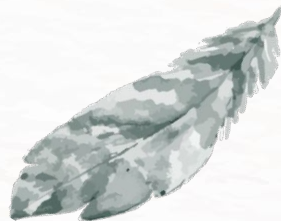
What you will need

Enable email login
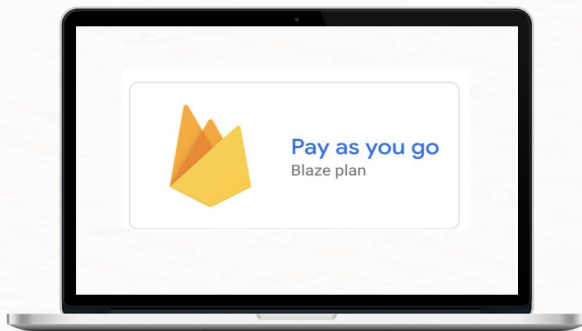
Enabled(Blaze Plan)
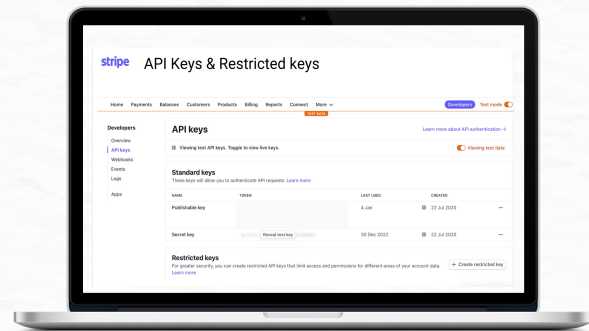
Setup Stripe Account

Installing Extension

Run Payments with Stripe

Made by Stripe

Controls access to paid content by syncing your one-time and recurring payments with Firebase Authentication.

Install   Learn more
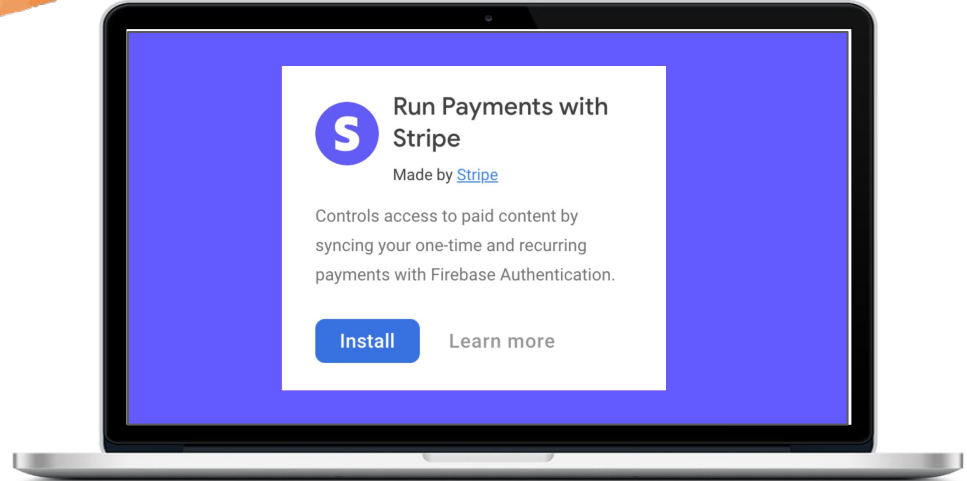
Cloud Firestore

Data **Rules** Indexes Usage

```
rules_version = '2';
service cloud.firestore {
  match /databases/{database}/documents {
    match /customers/{uid} {
      allow read: if request.auth.uid == uid;

      match /checkout_sessions/{id} {
        allow read, write: if request.auth.uid == uid;
      }
      match /subscriptions/{id} {
        allow read: if request.auth.uid == uid;
      }
      match /payments/{id} {
        allow read: if request.auth.uid == uid;
      }
    }

    match /products/{id} {
      allow read: if true;

      match /prices/{id} {
        allow read, write: if true;
      }

      match /tax_rates/{id} {
        allow read: if true;
      }
    }
  }
}
```
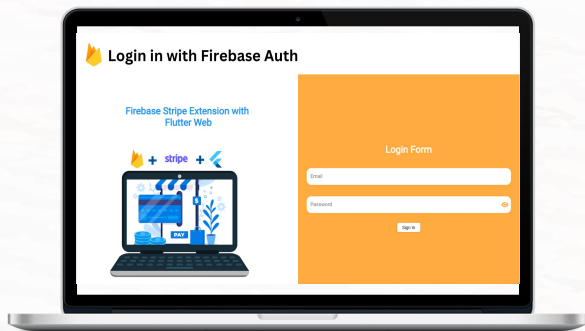
Configure Extension

4   **Configure extension**

Cloud Functions deployment location ⓘ

Iowa (us-central1) ▾

ⓘ This parameter cannot be reconfigured after installation.

Products and pricing plans collection ⓘ

products

Customer details and subscriptions collection ⓘ

customers

Stripe configuration collection(Optional) ⓘ

configuration

Sync new users to Stripe customers and Cloud Firestore ⓘ

Do not sync ▾

Sync ✓

Automatically delete Stripe customer objects ⓘ

Do not delete ▾

Stripe API key with restricted access ⓘ

	Create secret

Stripe API key

Stripe webhook secret(Optional) ⓘ

	Create secret

Stripe webhook key

Enabled events

If you enable events, you can write custom event handlers that respond to these events.Events will be emitted via Eventarc. Fees apply.

How do events in this extension work?

This extension has no events enabled. If you want to enable events, reconfigure the extension.

Install extension

Stripe Integration

API Keys & Restricted keys

stripe

Developers   Test mode 🔘

TEST DATA

Developers

- Overview
- API keys
- Webhooks
- Events
- Logs

- Apps

API keys

Learn more about API authentication →

ⓘ Viewing test API keys. Toggle to view live keys.

🔘 Viewing test data

Standard keys

These keys will allow you to authenticate API requests. Learn more

NAME	TOKEN		LAST USED		CREATED	
Publishable key			4 Jan		ⓘ 22 Jul 2020	...
Secret key	Reveal test key		30 Dec 2022		ⓘ 22 Jul 2020	...

Restricted keys

For greater security, you can create restricted API keys that limit access and permissions for different areas of your account data.
Learn more

+ Create restricted key

Home   Payments   Balances   Customers   Products   Billing   Reports   Connect   More ⌄   Developers   Test mod

TEST DATA

Developers

Overview

API keys

Webhooks

Events

Logs

Apps

Create restricted API key

Key name

[   ]

RESOURCE TYPE	PERMISSIONS
All core resources View documentation	None Read Write
Customers	None Read **Write**
Checkout Sessions	None Read **Write**
Customer portal	None Read **Write**
Subscriptions	None **Read** Write

Write Access

Read Access

Webhooks restricted key

Developers

Overview
API keys
Webhooks
Events
Logs

Webhooks

Hosted endpoints

➕ Add endpoint

URL

-paym

URL

3. Select the following events:

- `product.created`
- `product.updated`
- `product.deleted`
- `price.created`
- `price.updated`
- `price.deleted`
- `checkout.session.completed`
- `customer.subscription.created`
- `customer.subscription.updated`
- `customer.subscription.deleted`

Listen to Stripe events

Add an endpoint   Test in a local environment

Set up your webhook endpoint to receive live events from Stripe or learn more about webhooks.

Endpoint URL

https://

Description

An optional description of what this webhook endpoint is used for...

Listen to

🔘 Events on your account   ⚪ Events on Connected accounts ℹ️

Version

Your current version (2020-03-02) ⇅

stripe
Create Products in Stripe

Home Payments Balances Customers **Products** Billing Reports Connect More ⌄

TEST DATA

Products

All products

Coupons

Shipping rates

Tax rates

Pricing tables

Products

Available Archived

NAME

Reader's Digest
£20.00 / month

Product information

Product details

Name ⓘ

Reader's Digest

Description ⓘ Optional

At Reader's Digest, we shine a spotlight on the products and brands our readers can trust. Our experienced shopping editors scour the Internet

Image ⓘ Optional

Additional options ⌄

Price information

Pricing details 🔒   ··· ⌃

Pricing model ⓘ

Standard pricing ⇅

Price ⓘ

£ 20.00   GBP ⇅

To change or add currencies, remove this price and create a new one.

Recurring   One time ⚠

Billing period

Cloud Firestore Integration

🔥 Product in Firestore

🏠 > products > prod_N6W2Rr7o.

☁ More in Google Cloud ⌄

☰ flutterstripeweb	📖 products	🔽 ⋮	📄 prod_N6W2Rr7oNf0jzb	⋮
➕ Start collection	➕ Add document		➕ Start collection	
customers	prod_MzPVlGqxlr2BnR		prices	
products >	prod_N6VXHdvpBFLds9			
test	prod_N6W2Rr7oNf0jzb >			
	prod_N6W4fmFgdOIPJW			
	prod_N6W8LQ6lOzkAXc			

➕ Add field

active: true

description: "Latest London news, business, sport, celebrity and entertainment from the London Evening Standard"

▼ images

  0 "https://files.stripe.com/links/MDB8YWNjdF8xSDdpeWlJY2VYY

▼ metadata

  name: "The Evening Standard"

Integration Flutter Code

dashboard.dart

```dart
StreamBuilder<QuerySnapshot>(
                    stream: FirebaseFirestore.instance
                        .collection('products')
                        .where('active', isEqualTo: true)
                        .snapshots(),
```

Checkout Session

```dart
final price = await FirebaseFirestore.instance
                    .collection('products')
                    .doc(_productId)
                    .collection('prices')
                    .where('active', isEqualTo: true)
                    .limit(1)
                    .get();
                final docRef = await FirebaseFirestore.instance
                    .collection('customers')
                    .doc(FirebaseAuth.instance.currentUser?.uid)
                    .collection("checkout_sessions")
                    .add({
                "client": "web",
                "mode": "subscription",
                "price": price.docs[0].id,
                "success_url":
                    'http://localhost:5600/success',
                "cancel_url": 'http://localhost:5600/cancel'
            });
```

subscription.dart

```dart
_sessionStream = FirebaseFirestore.instance
        .collection('customers')
        .doc(FirebaseAuth.instance.currentUser!.uid)
        .collection("checkout_sessions")
        .doc(widget.checkoutSessionId)
        .snapshots();
```

```dart
StreamBuilder<_CheckoutSessionSnapshot>(
    stream: _sessionStream,
    builder: (BuildContext context,
        AsyncSnapshot<_CheckoutSessionSnapshot> snapshot) {
      if (snapshot.connectionState != ConnectionState.active) {
        return const Center(child: CircularProgressIndicator());
      } else if (snapshot.hasError || snapshot.hasData == false) {
        return const Text('Something went wrong');
      }
      final data = snapshot.requireData.data()!;
      if (data.containsKey('sessionId') && data.containsKey('url')) {
        html.window.location.href = data['url'] as String;
        return const SizedBox();
      } else if (data.containsKey('error')) {
        return Text(
          data['error']['message'] as String? ?? 'Error processing payment.',
          style: TextStyle(
            color: Theme.of(context).errorColor,
          ),
        ),
      ).
```

Other payment extensions

Run Payments with Stripe

Made by Stripe ✓

Controls access to paid content by syncing your one-time and recurring payments with Firebase Authentication.

🖸 Payments

Install   View details

12.2K+ installs

Enable In-App Purchases with...

Made by RevenueCat ✓

Facilitates in-app purchases and subscriptions, controls access to premium content, and syncs purchase...

🖸 Payments

Install   View details

1.2K+ installs

Send Invoices using Stripe

Made by Stripe ✓

Creates and sends brandable customer invoices using the Stripe payments platform.

🖸 Payments

Install   View details

400+ installs

Run In-App Purchases &...

Made by Purchasely ✓

Quickly implement & seamlessly manage your iOS & Android In-App Purchases & In-App Subscriptions wit...

🖸 Payments

Install   View details

<10 installs

What if my country doesn't use Stripe?

Magic spells.. 🇦🇷🤝🇮🇹

Let's review the highlights...

slido

How many cups of coffee did you have today already?

slido

How can you add a Firebase Extension to your project?

slido

Firebase Extensions are only available for web applications, not for mobile apps.

ⓘ Click **Present with Slido** or install our <u>Chrome extension</u> to activate this poll while presenting.

slido

How do Firebase Extensions benefit Flutter web developers?

ⓘ Click **Present with Slido** or install our <u>Chrome extension</u> to activate this poll while presenting.

slido

In a Flutter web project, which Firebase CLI command would you use to add a Firestore database extension to your Firebase project?

THANKS !

Do you have any questions?

Source code

thisislala