

# Google developer products:

## Firestore

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March 12, 2018

### Introduction

**Firestore** is a mobile and web application development platform developed by *Firestore, Inc.* in 2011, then acquired by Google in 2014.[1]. Firestore evolved from Envolv, a prior startup founded by James Tamplin and Andrew Lee in 2011. Envolv provided developers an API that enables the integration of online chat functionality into their websites. After releasing the chat service, Tamplin and Lee found that it was being used to pass application data that weren't chat messages. Developers were using Envolv to sync application data such as game state in real time across their users. Tamplin and Lee decided to separate the chat system and the real-time architecture that powered it. They founded Firestore as a separate company in April 2012.[2] Firestore now integrates with various other Google services to offer broader products and scale for developers. In January 2017, Google acquired Fabric and Crashlytics from Twitter to join those services to the Firestore team. According to the report, Firestore would be launching Cloud Firestore, a Document Database, in October 2017[3][4].

### Claims and Services

Firestore Cloud Messaging: Formerly known as Google Cloud Messaging (GCM), Firestore Cloud Messaging (FCM) is a cross-platform solution for messages and notifications for Android, iOS, and web applications, which currently can be used at no cost.[5] Firestore Auth is a service that can authenticate users using only client-side code. It supports social login providers Facebook, GitHub, Twitter and Google. Additionally, it includes a user management system whereby developers can enable user authentication with email and password login stored with Firestore. Firestore provides a realtime database and backend as a service. The service provides application developers an API that allows application data to be synchronized across clients and stored on Firestore's cloud[6][7]. The company provides client libraries that enable integration with Android, iOS, JavaScript, Java, Objective-C, swift and Node.js applications. The database is also accessible through a REST API and bindings for several JavaScript frameworks such as AngularJS, React, Ember.js and Backbone.js.[8]. Firestore Storage provides secure file uploads and downloads for Firestore apps, regardless of network quality. The developer can use it to store images, audio, video, or other user-generated content. Firestore Storage is backed by Google Cloud Storage.

## References

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