

Firestore

ATUMANYE NOBERT 215005972 15/U/4010/EVE

March 6, 2018

1 Introduction

Firestore is a mobile and web application development platform developed by Firestore, Inc. in 2011, then acquired by Google in 2014.

1.1 History

Firestore evolved from Evolve, a prior startup founded by James Tamplin and Andrew Lee in 2011. Evolve 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 Evolve 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

1.2 Services

1.2.1 Firestore Analytics

Firestore Analytics is a cost-free app measurement solution that provides insight into app usage and user engagement.[14]

2 Develop

2.1 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.

2.2 Realtime Database

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.[17][18] 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.

2.3 Firebase Storage

Firebase Storage provides secure file uploads and downloads for Firebase apps, regardless of network quality. The developer can use it to store images, audio, video, or other user-generated content. Firebase Storage is backed by Google Cloud Storage

3 Grow

Firebase Notifications is a service that enables targeted user notifications for mobile app developers at no cost.

4 Citations

[14] CrunchBase. Retrieved June 11, 2014 [14] "Firebase - AngelList". AngelList. Retrieved Jun 11, 2014.