



# Firebase Feature's and Use Case's



# Firebase



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# What is Firebase ?

- Firebase is a free platform developed by Google for building mobile and web applications.
- If you have a software project that involves user logins and data storage across multiple platforms, Firebase can be highly beneficial.
- Firebase handles fundamental operations such as app management, usage tracking, storage, and notification delivery without the need for server-side coding.
- It uses a NoSQL document-oriented data model, and data is stored in JSON format.

# Firebase by platform

Firebase gives you the tools to develop high-quality apps, grow your user base, and earn more money. We cover the essentials so you can monetize your business and focus on your users.



Get started for Android

[API Reference](#)

[Codelabs](#)



Get started for iOS

[API Reference](#)

[Codelabs](#)



Get started for Web

[API Reference](#)

[Codelabs](#)



Get started for C++

[API Reference](#)



Get started for Unity

[API Reference](#)



Get started for Admin

[API Reference](#)

# Application's with Using Firebase

The New York Times



*venmo*

The  
Economist

trivago



wattpad 



# ***Firestore Features***

- *Realtime Database*
- *Authentication*
- *Storage*
- *Notification*
- *Firestore Analytics*
- *Performance Watching*
- *Admob*
- *Machine Learning Kits [ML]*

## Realtime Database

Through this service, Firebase provides users with an asynchronous, real-time NoSQL database service that operates in a separate manner.

When using Firebase for your database, you connect via WebSocket instead of regular HTTP. Consequently, when updating data in your application, the database is synchronized in real-time with other users.

## Storage

Firebase offers a storage service that you can use to store your application files. This service reduces the data size of your applications, resulting in faster loading times. It comes with its own security rules to help you control the data that needs to be uploaded to your server.

For example, in a photo-sharing application, the photos uploaded by users can be stored using this storage service.

# Authentication

It seems that you intended to provide a description of a visual or interface. Unfortunately, I am unable to view images or graphics. However, you can describe the elements you see in the visual, and I can help you with that information.

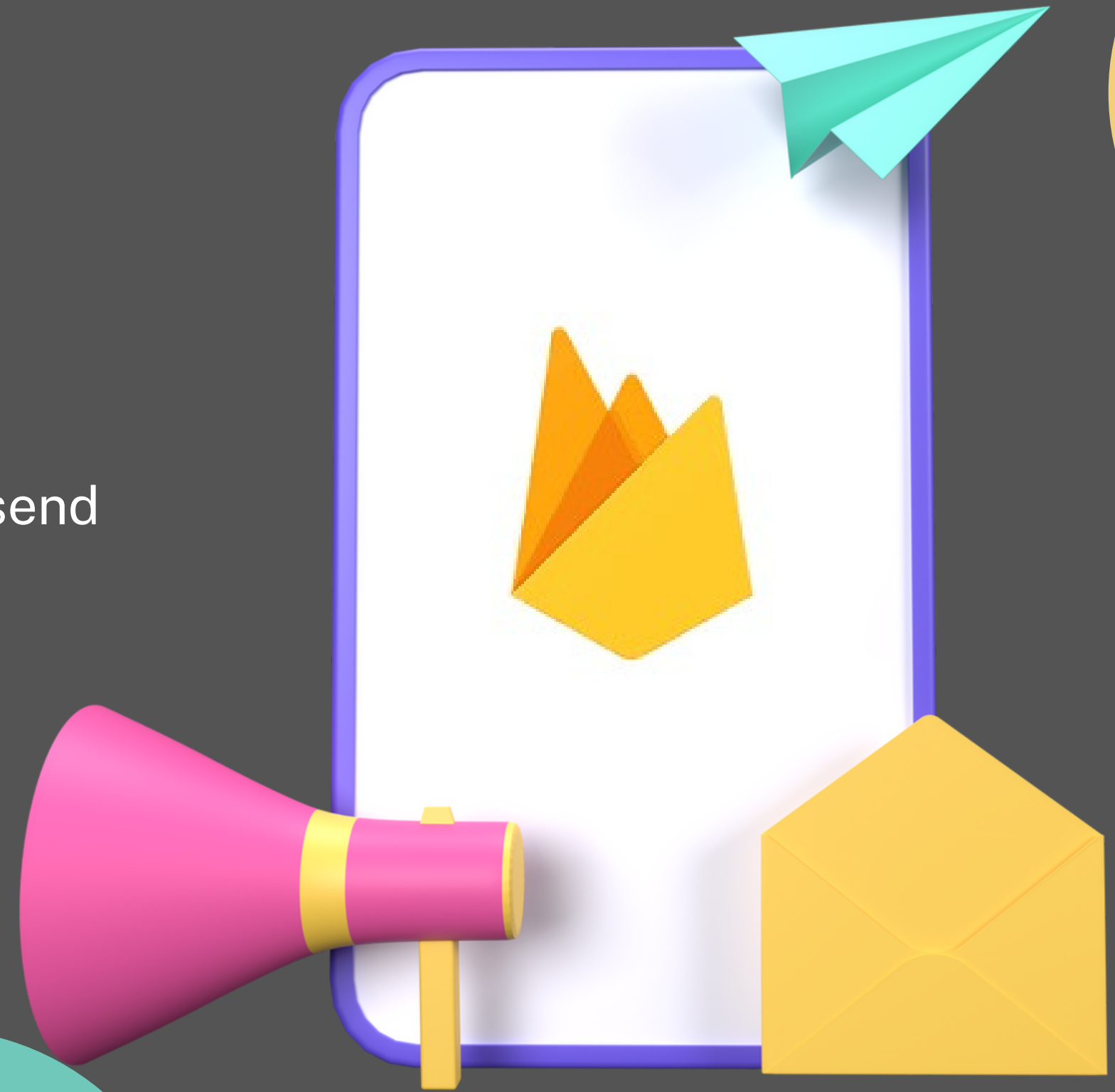
E-posta	Sağlayıcılar	Oluşturulma tarihi	Oturum açma tarihi	Kullanıcı UID'si ↑
ogulcanucarsu@xyz.com		12 May 2017	12 May 2017	pgWO1vgC6uZTRUMXz4uZshBiAX...

As you described, with this service, you can easily view the email address, registration date, last sign-in date, and user ID of a person who registers for your application or program, as seen in the image.

This service facilitates operations such as email verification, email change, and password reset. Moreover, with the authentication service, users can also log into your application using social media accounts such as LinkedIn, Twitter, GitHub, Google, and others.

# Notification

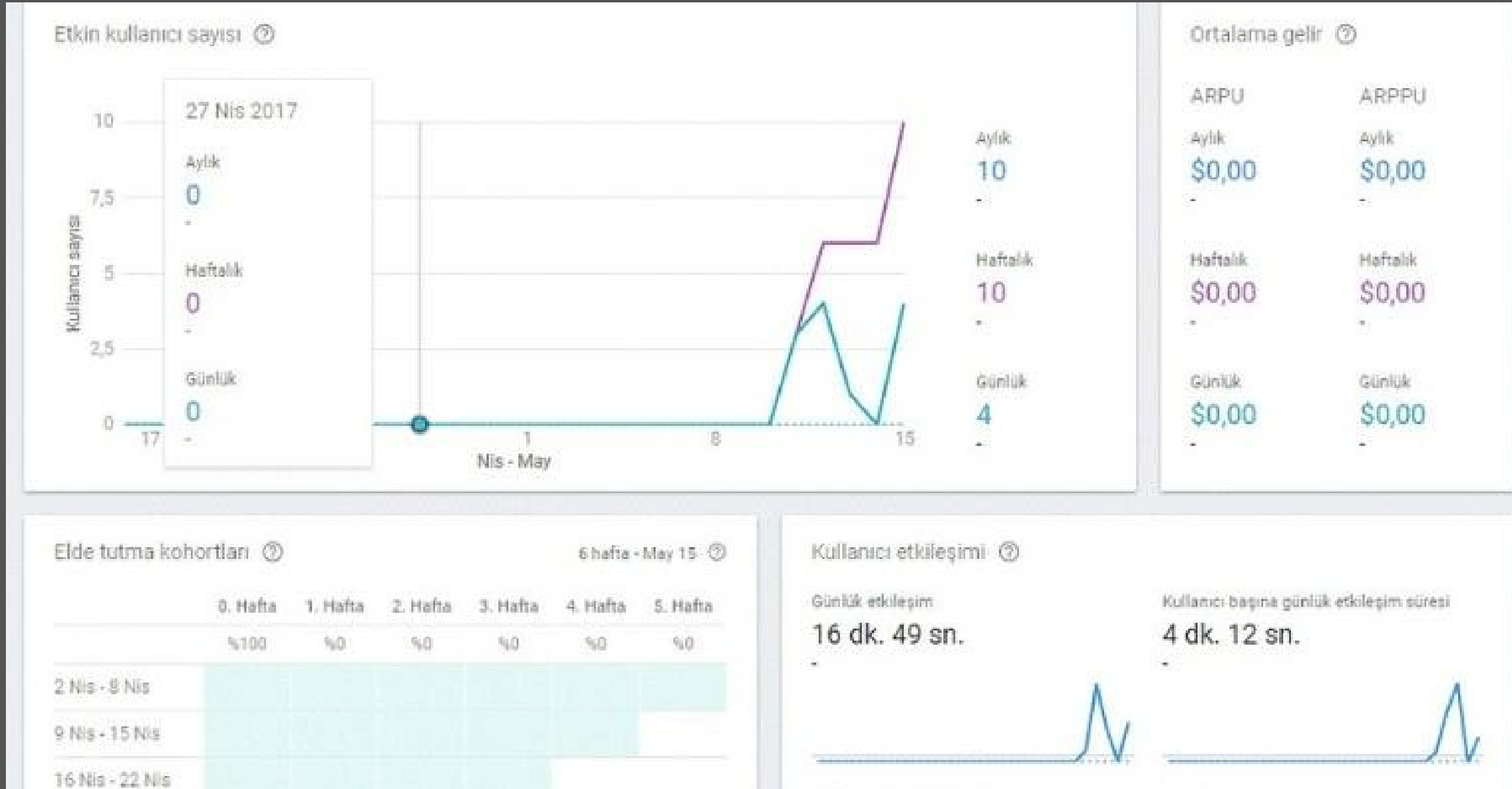
Firebase, a messaging service that allows you to send notifications to users of your application.





# Firestore Analytics

Using this feature, you can instantly access a variety of information such as the active number of users, daily user interactions, device models of users using your application, operating systems of these devices, and the demographic structure of users (e.g., young, adult, elderly). Additionally, you can obtain information about the countries in which the application is being used.



## Admob

If you aim to earn money and generate revenue from an application you have designed, you can use the AdMob service to add advertisements to your applications and earn additional income.

## Performance Watching

Firebase provides a performance monitoring tool that helps you track your application's performance and identify issues. With this tool, you can detect errors occurring in your application and enhance its performance.





## ***Firestore usage scenarios include the following:***

1. Serverless Functions: Firestore Functions support an easy way to write and deploy serverless functions.
2. ML Kit: Firestore offers an SDK that includes ML tasks such as image recognition.
3. Hosting: Firestore provides a hosting service that allows developers to deploy web applications and static assets, making it easier to initiate web application development.

4. Cloud Storage: Firebase provides a cloud storage service that allows developers to store and retrieve binary files such as images and videos, making it ideal for creating applications that require file storage.
5. Machine Learning: Firebase offers a machine learning platform that enables developers to create and train custom machine learning models, making it ideal for building applications that require intelligent features such as image recognition and natural language processing.
6. Analytics: Firebase provides a comprehensive platform that allows developers to track user behavior and usage patterns, making it ideal for creating applications that require analytics and insights.
7. Managing payment transactions for in-app purchases.

## ***Resources***

- <https://firebase.google.com/>
- <https://talentgrid.io/tr/firebase-nedir/>
- <https://ceaksan.com/tr/firebase-nedir-nasil-kullanilir>
- <https://www.siberegitmen.com/google-firebase-nedir-ne-ise-yarar/>
- <https://gelecegiyazanlar.turkcell.com.tr/blog/firebase-nedir-avantajlari-nelerdir>
- <https://www.mediaclick.com.tr/tr/blog/firebase-nedir>