

# Why Use Firebase in React?

This lesson highlights some of the benefits of using Firebase.

## WE'LL COVER THE FOLLOWING ^

- Easy Authentication Mechanism
- Simple Setup
- Test Lab
- Security
- App Indexing
- Serverless

While it is true that the market of mobile/web application development platforms is more saturated than ever, **Firebase** boasts of some of the most impressive features which ultimately give it a significant edge.

Let's take a look at the most prominent features of Firebase.

## Easy Authentication Mechanism #

With Firebase, we do not need to worry about the hassle of authenticating users. It can handle user authentication on its own. It provides an easy way to use SDK where we can specify the authentication criteria (email, password, etc.) and our custom authentication process (optional).

## Real-time Database

Firebase erases the need to set up our own database infrastructure. Its real-time cloud database stores data as JSON, which means



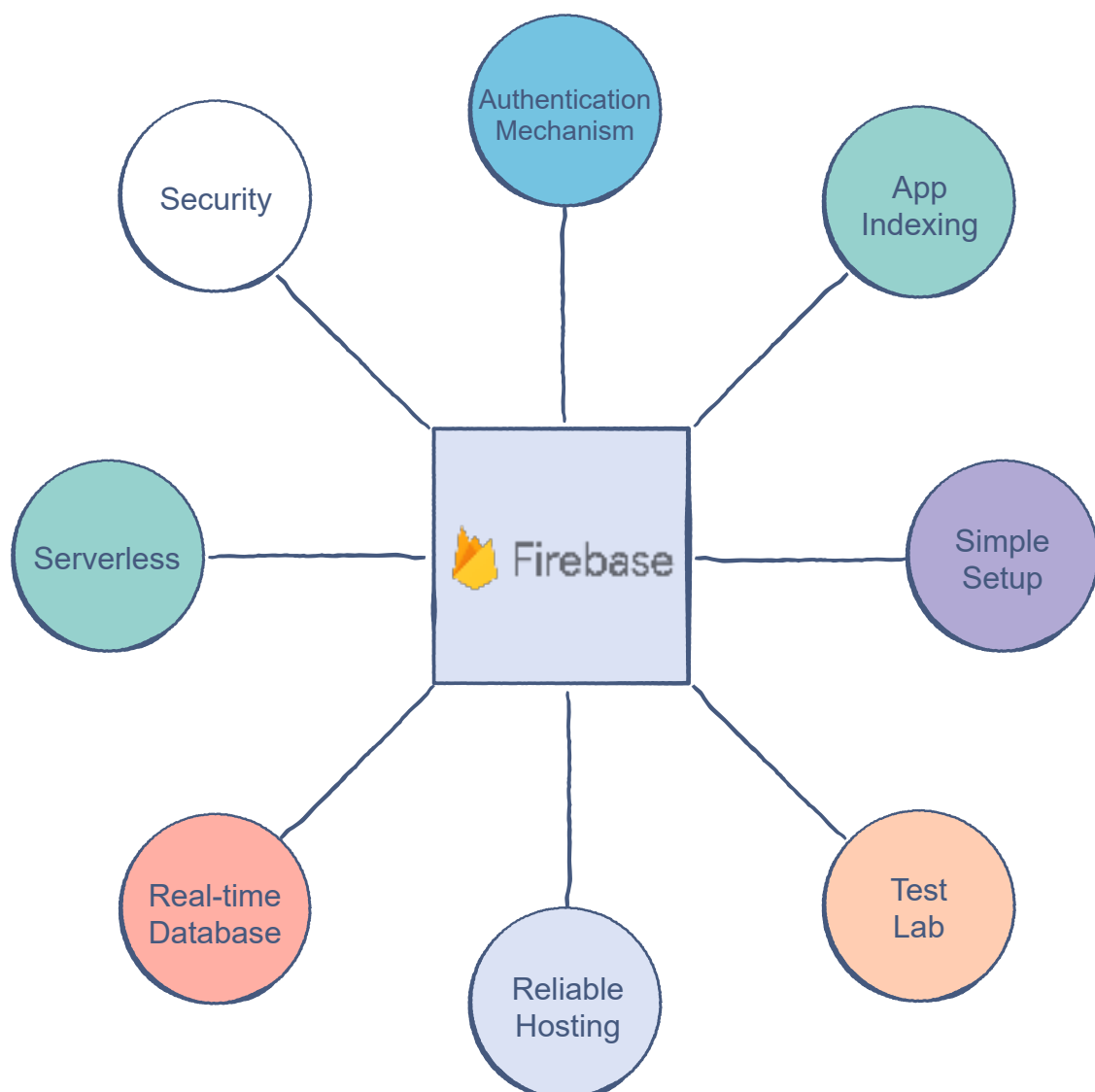
that there is no barrier between objects and data.

## Simple Setup #

Setting up and integrating Firebase into our application is a very simple process. In the case of React apps, all we have to do is install the Firebase package on our system and import it into the application!

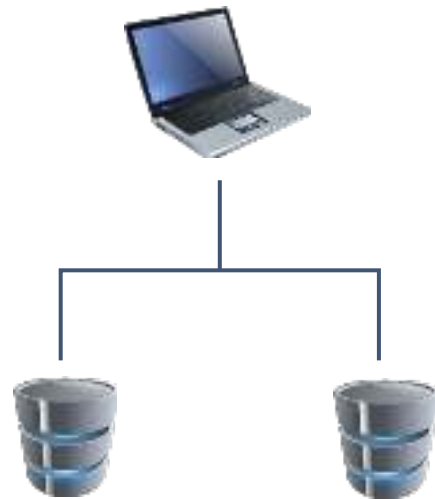
## Test Lab #

The test lab uses Google's computational resources to test the functionality of our application across various devices.



## Extremely Reliable Hosting

Firebase automatically provides an SSL certificate for our application. It supports custom domain names and one-click rollbacks to revert the app to a previous version. The production-grade web hosting offered by Firebase supports all kinds of languages and frameworks.



## Security #

The Firebase platform lets us specify our own security rules for different parts of the application. In terms of file transfers and data uploaded by the users, the platform is highly secure. Since Firebase uses Google Cloud storage, storing user content is as easier than ever.

## App Indexing #



App indexing makes our application more prominent in Google search and supports ad targeting to increase popularity.

## Serverless #

Firebase embraces server-less programming which means that we only have to pay for what we use. There is no need to stick to a fixed bandwidth plan regardless of how many resources we use.

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Next, we'll discuss the general content of this course.

