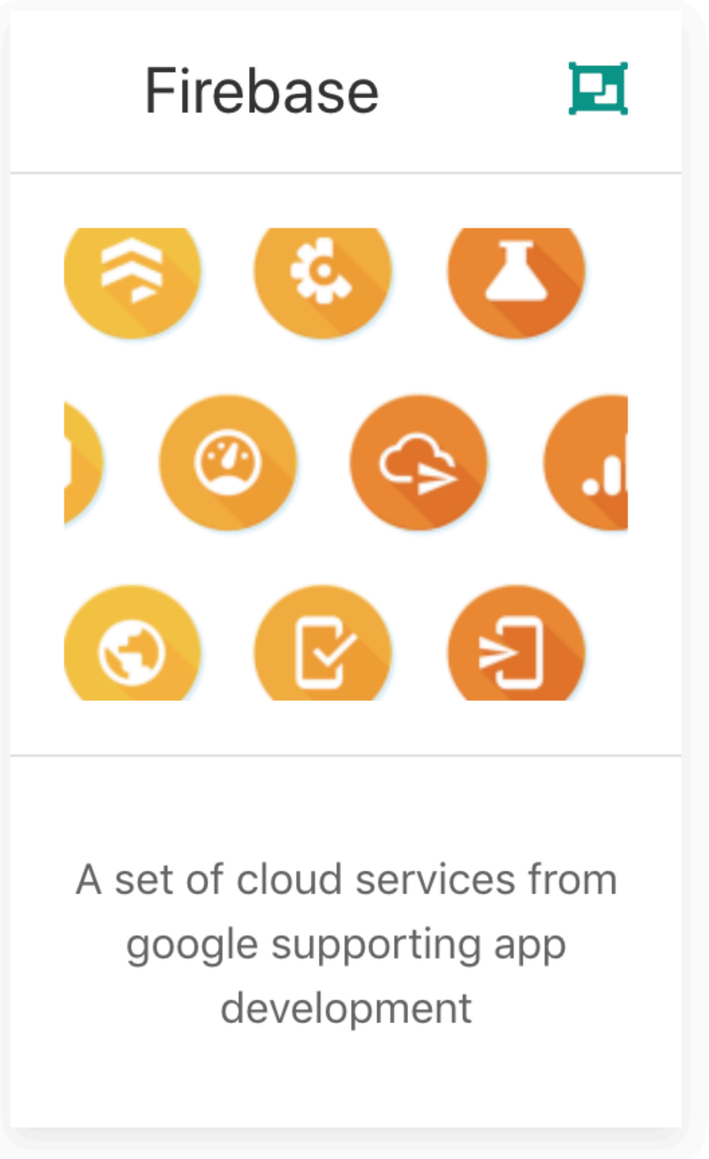
Firebase


Firebase
A set of cloud services from google supporting app development

Cloud Firestore BETA

Store and sync app data at global scale

ML Kit BETA

Machine learning for mobile developers

Cloud Functions

Run mobile backend code without managing servers

Authentication

Authenticate users simply and securely

Hosting

Deliver web app assets with speed and security

Cloud Storage

Store and serve files at Google scale

Realtime Database

Store and sync app data in milliseconds

Google’s Cloud Service supporting the secure, scalable app development

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Authentication

iOS C++

Manage your users in a simple and secure way. Firebase Auth offers multiple methods to authenticate, including email and password, third-party providers like Google or Facebook, and using your existing account system directly. Build your own interface, or take advantage of our open source, fully customizable UI.

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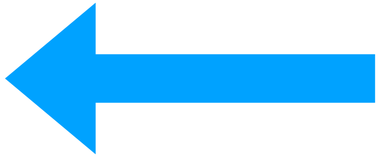

Realtime Database

Pay to scale iOS C++

Store and sync data between users and devices in realtime using a cloud-hosted, NoSQL database. Updated data syncs across connected devices in milliseconds, and data remains available if your app goes offline, providing a great user experience regardless of network connectivity.

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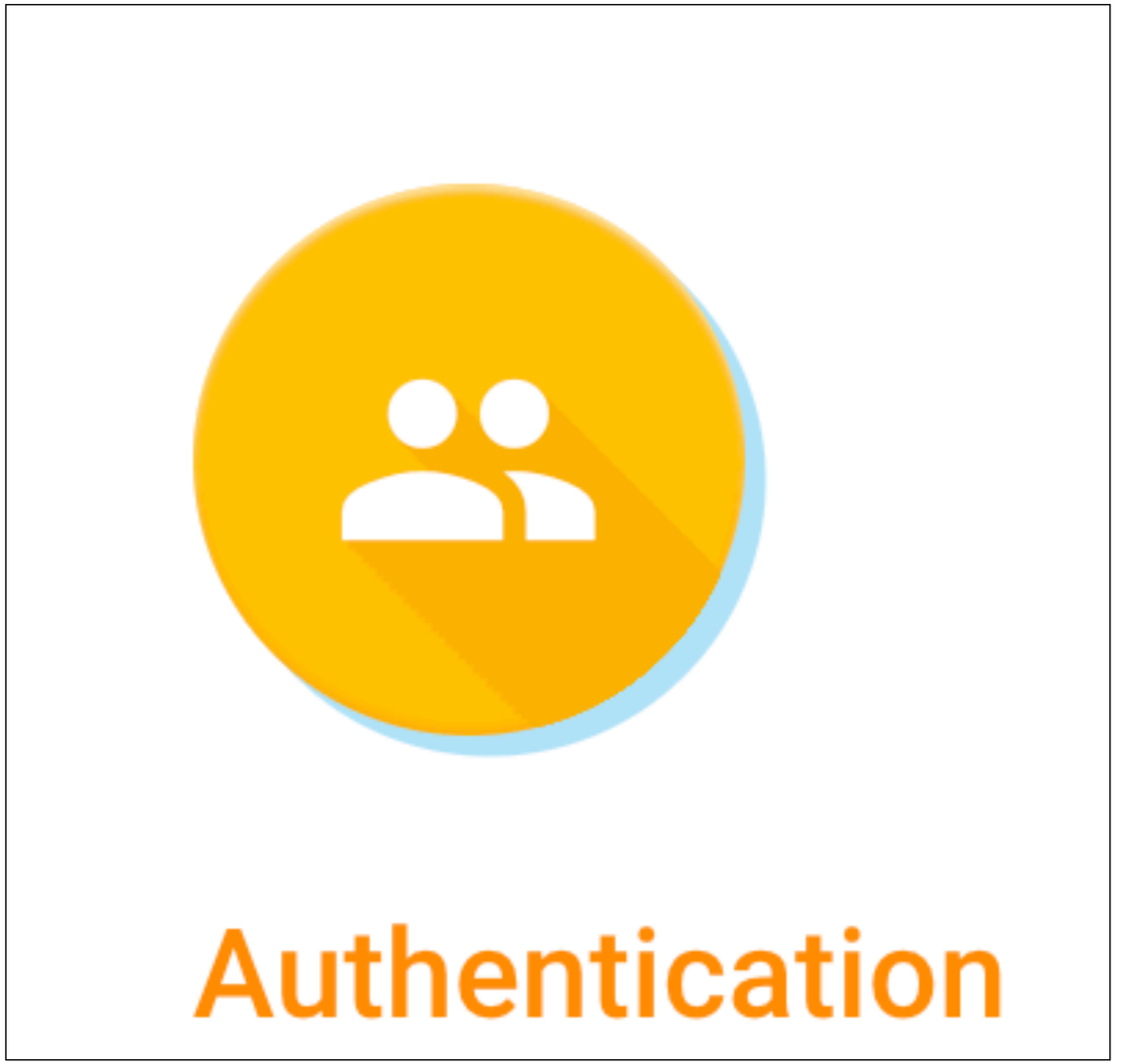
Cloud Storage

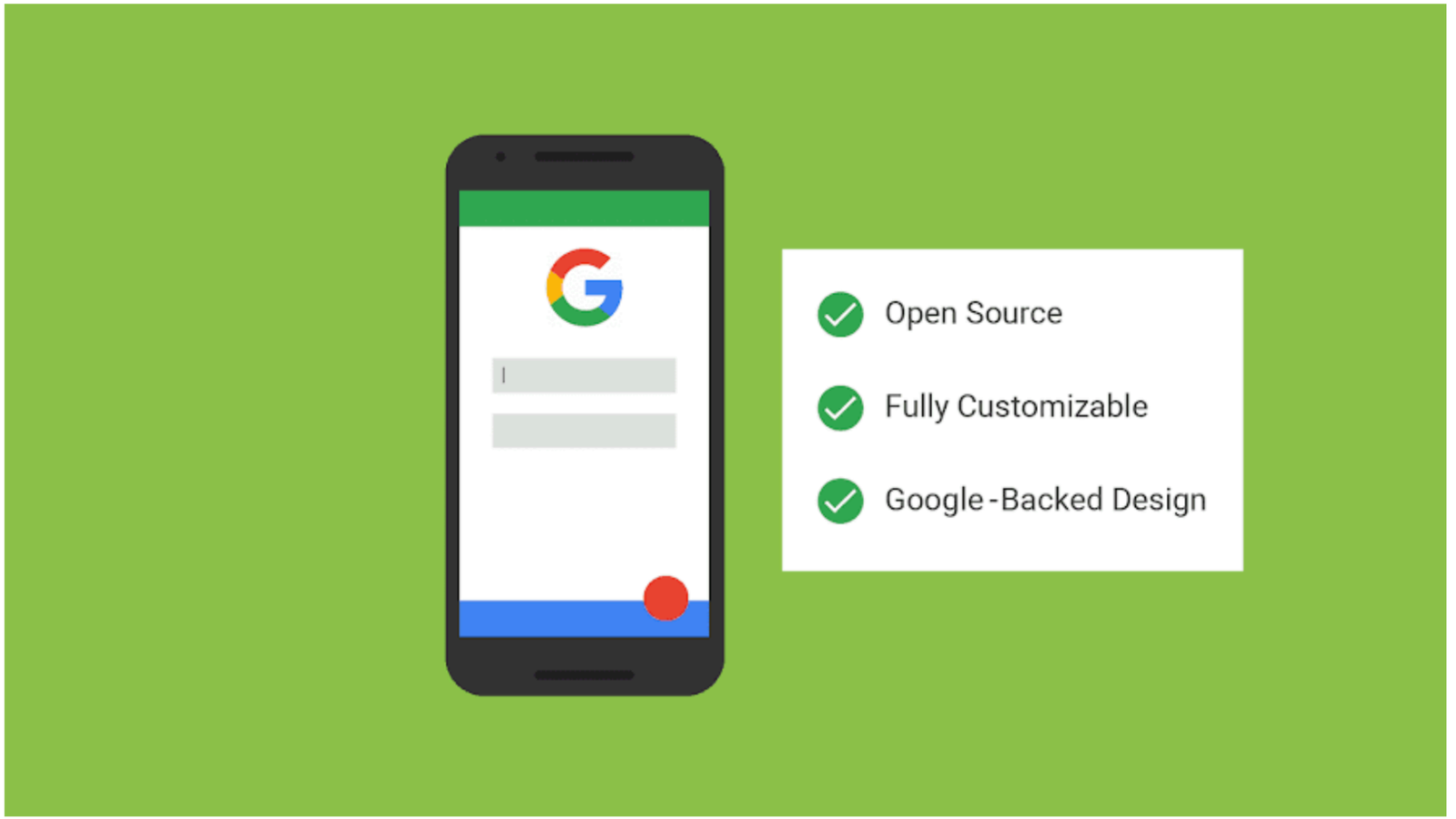
Pay to scale iOS

Store and share user-generated content like images, audio, and video with powerful, simple, and cost-effective object storage built for Google scale. The Firebase SDKs for Cloud Storage add Google security to file uploads and downloads for your Firebase apps, regardless of network quality.

Easy sign-in with any platform

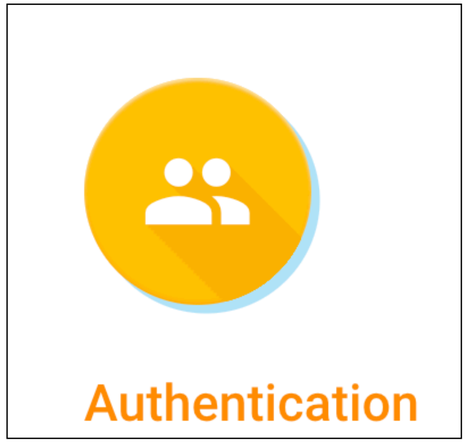
Firebase Authentication aims to make building secure authentication systems easy, while improving the sign-in and onboarding experience for end users. It provides an end-to-end identity solution, supporting email and password accounts, phone auth, and Google, Twitter, Facebook, and GitHub login, and more.





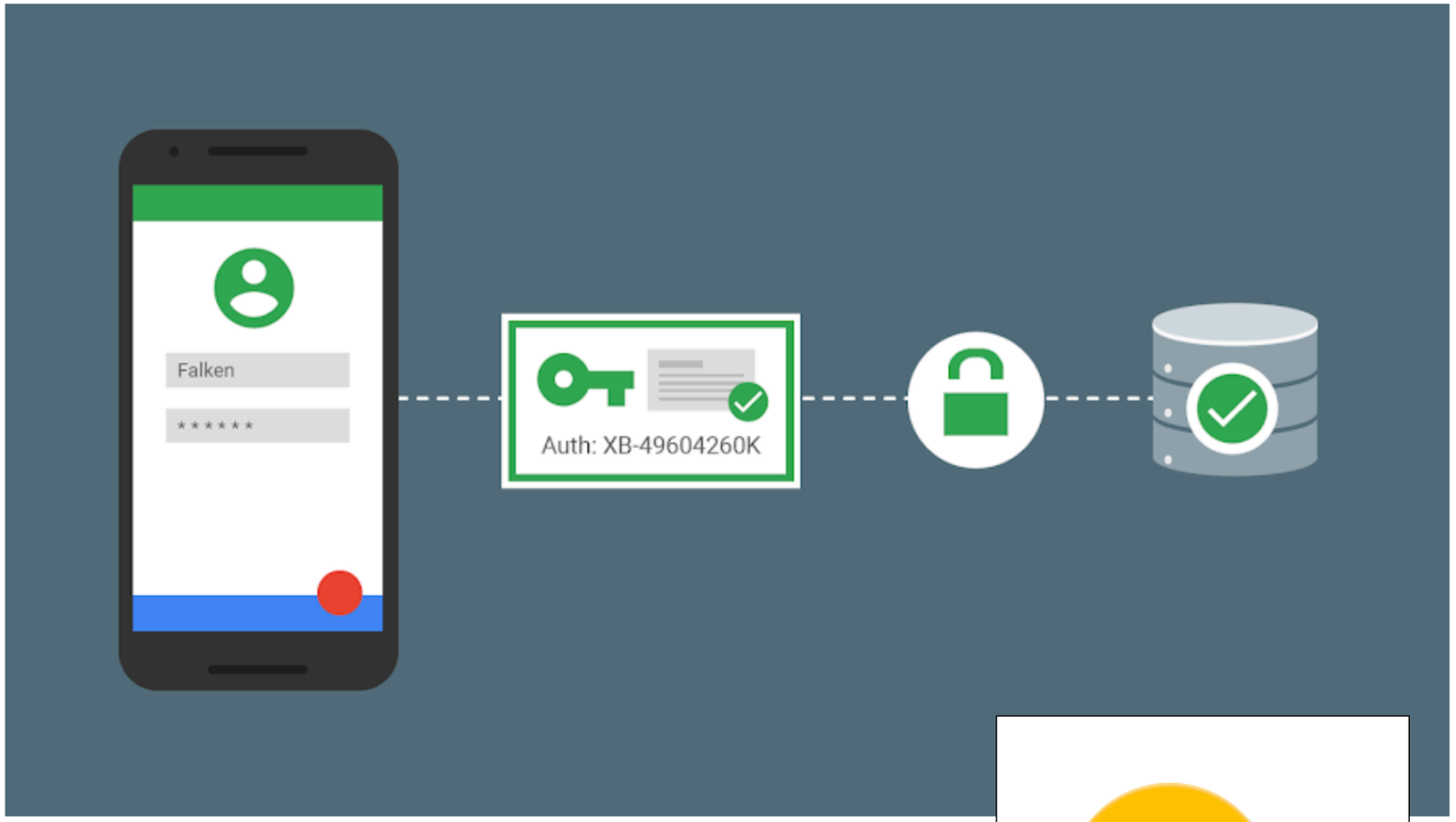
Flexible, drop-in UI

FirebaseUI provides a customizable, open source, drop-in auth solution that handles the UI flows for signing in users. The FirebaseUI Auth component implements best practices for authentication on mobile devices and websites, which can maximize sign-in and sign-up conversion for your app.

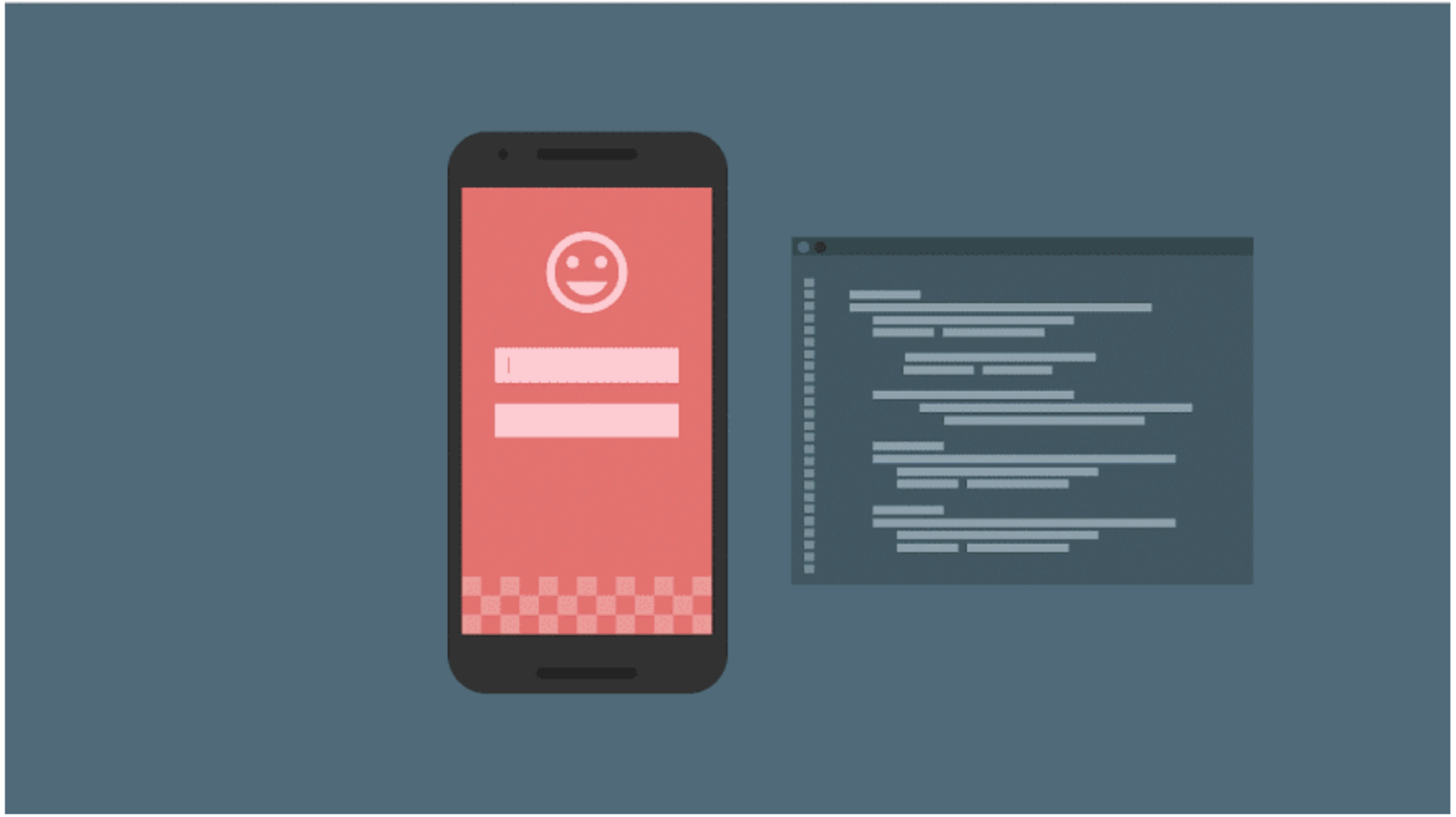


Comprehensive security

Built by the same team that developed Google Sign-in, Smart Lock and Chrome Password Manager, Firebase security applies Google's internal expertise of managing one of the largest account databases in the world.

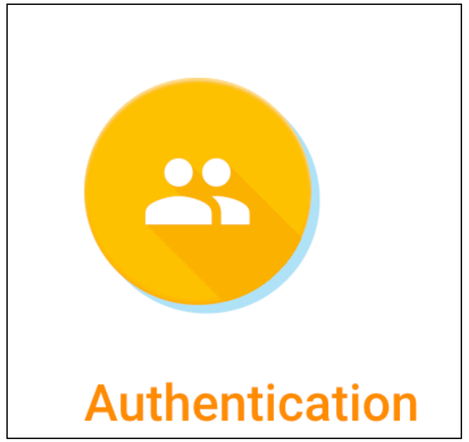


Authentication



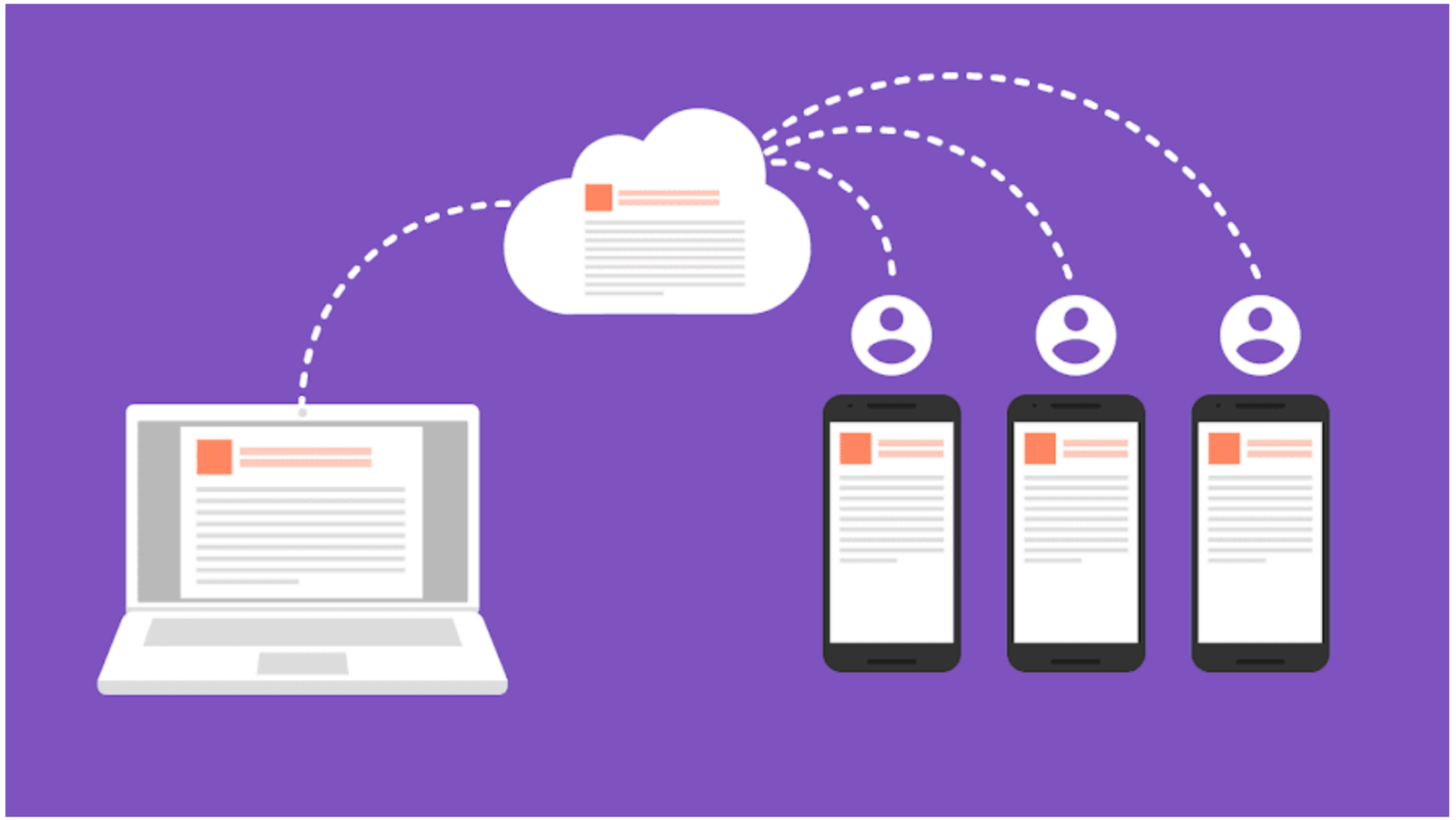
Fast implementation

It can take months to set up your own auth system, and it requires an engineering team to maintain that system into in the future. Set up the entire authentication system of your app in under 10 lines of code, even handling complex cases like account merging.



Real time syncing for JSON data

The Firebase Realtime Database is a cloud-hosted NoSQL database that lets you store and sync data between your users in realtime.



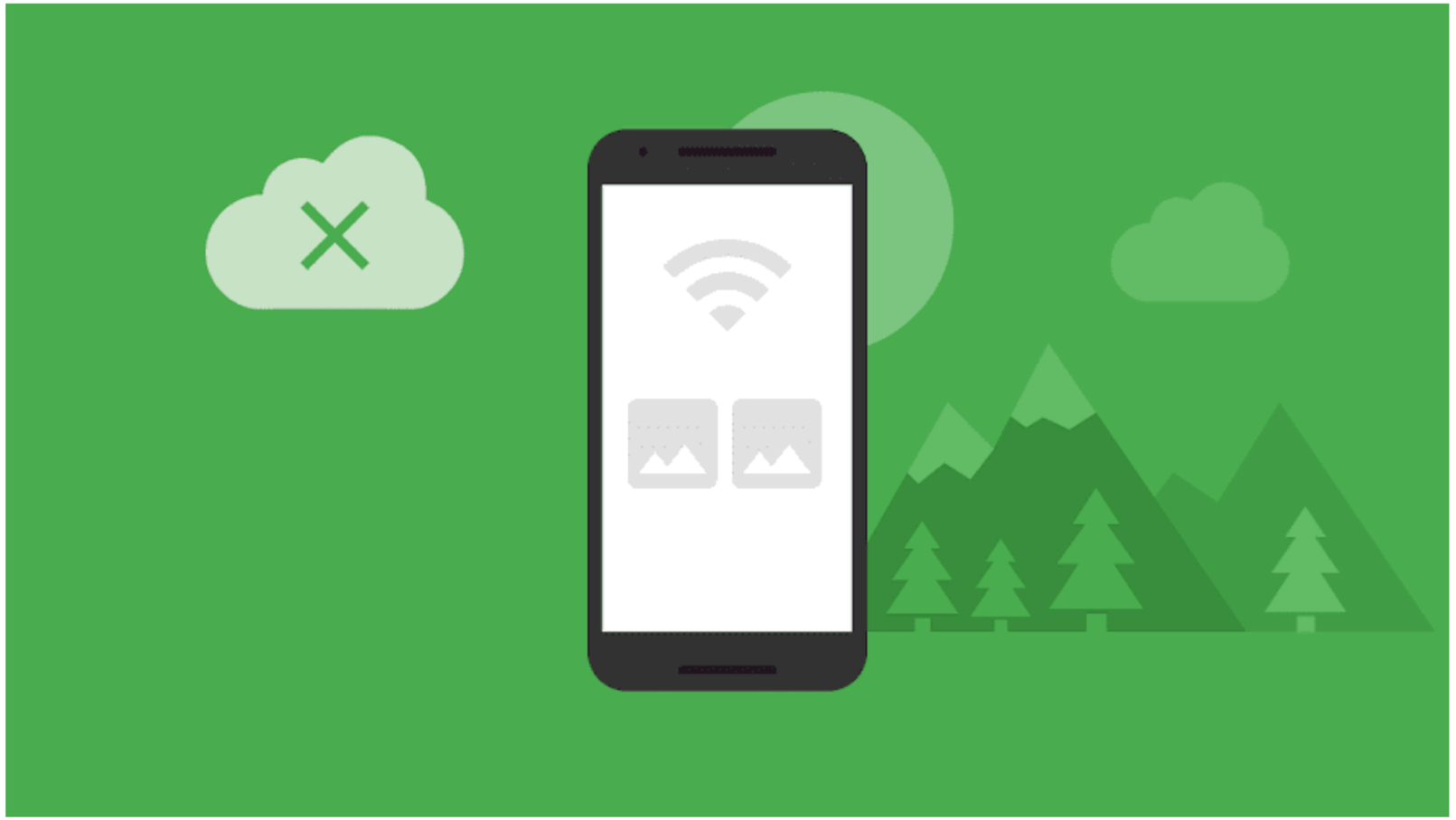
Collaborate across devices with ease

Realtime syncing makes it easy for your users to access their data from any device: web or mobile, and it helps your users collaborate with one another.

Realtime Database

Build serverless apps

Realtime Database ships with mobile and web SDKs so you can build apps without the need of servers. You can also execute backend code that responds to events triggered by your database using Cloud Function for Firebase.



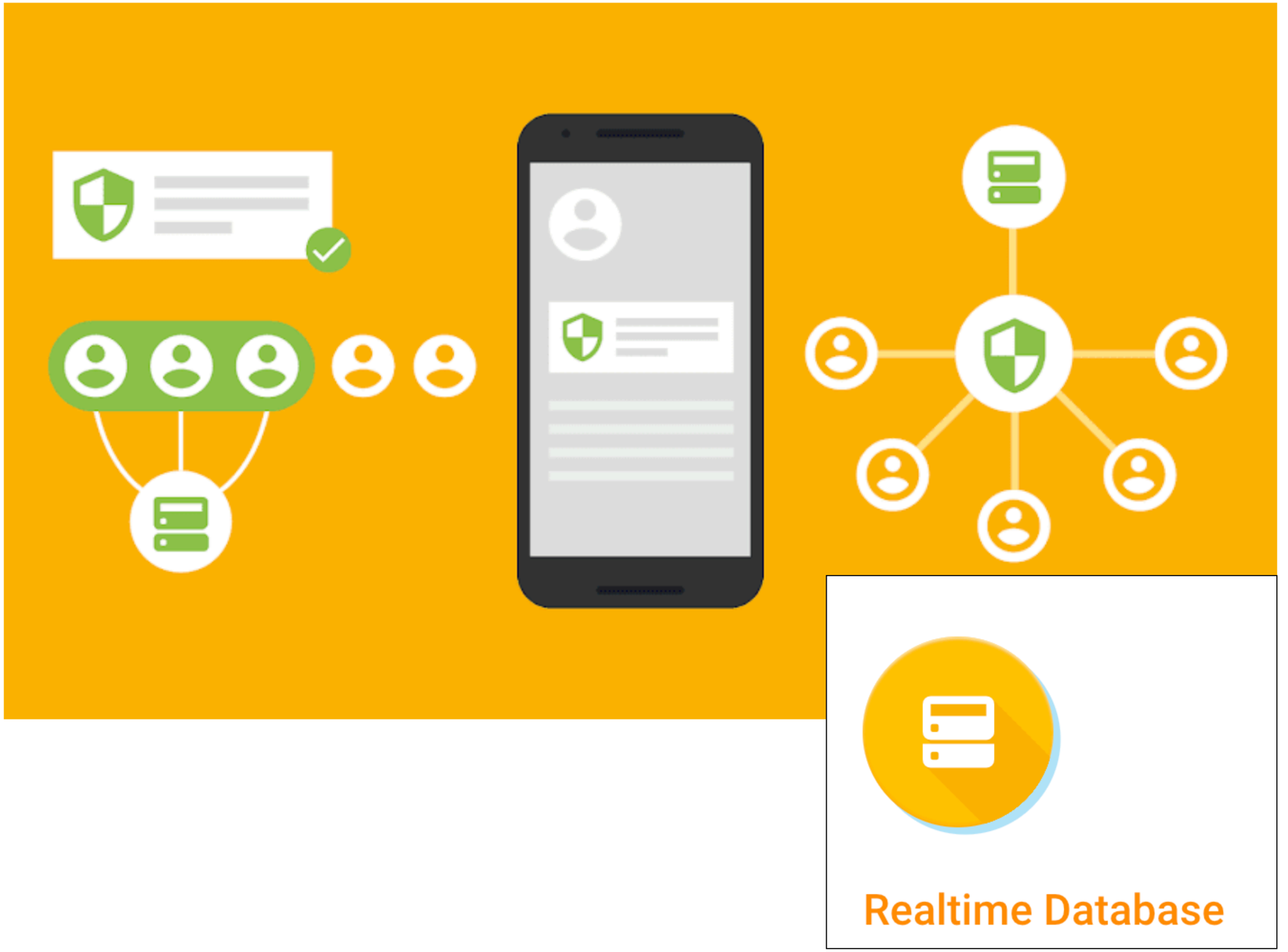
Optimized for offline use

When your users go offline, the Realtime Database SDKs use local cache on the device to serve and store changes. When the device comes online, the local data is automatically synchronized.

Realtime Database

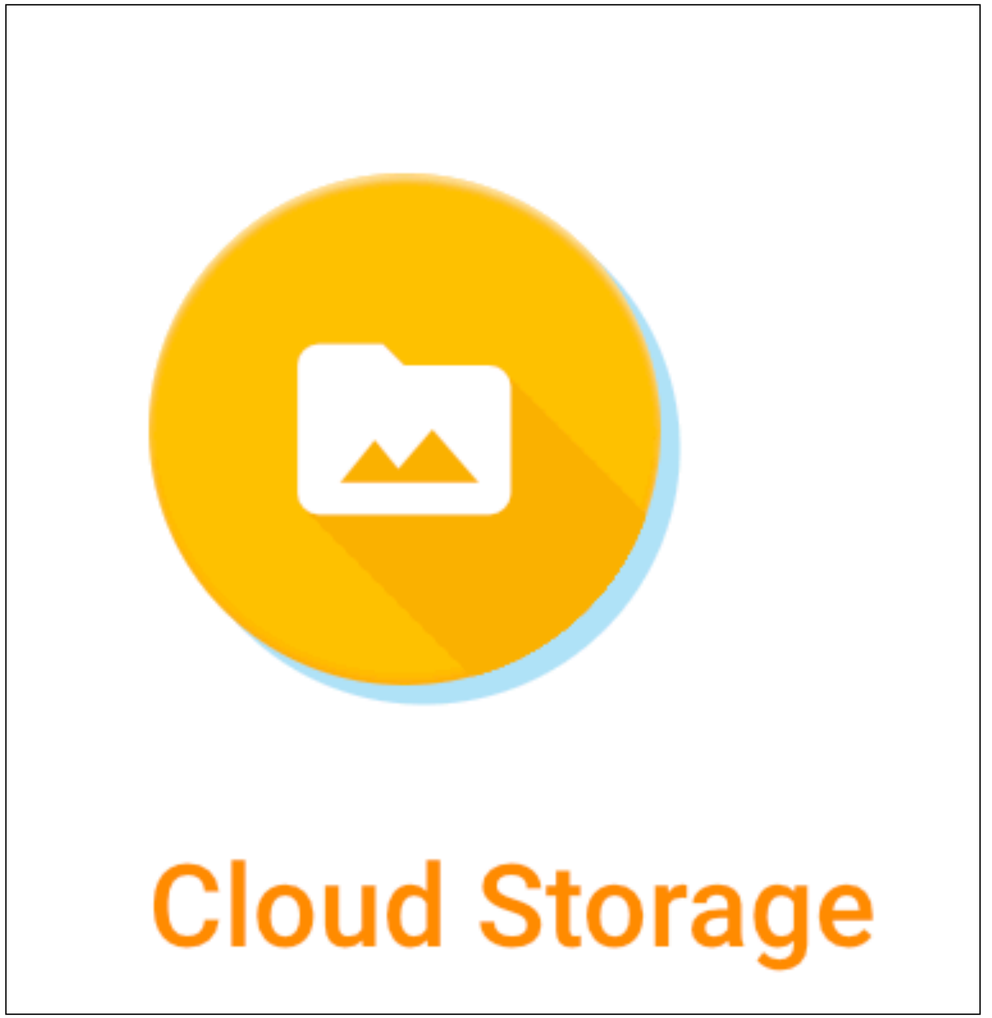
Strong user-based security

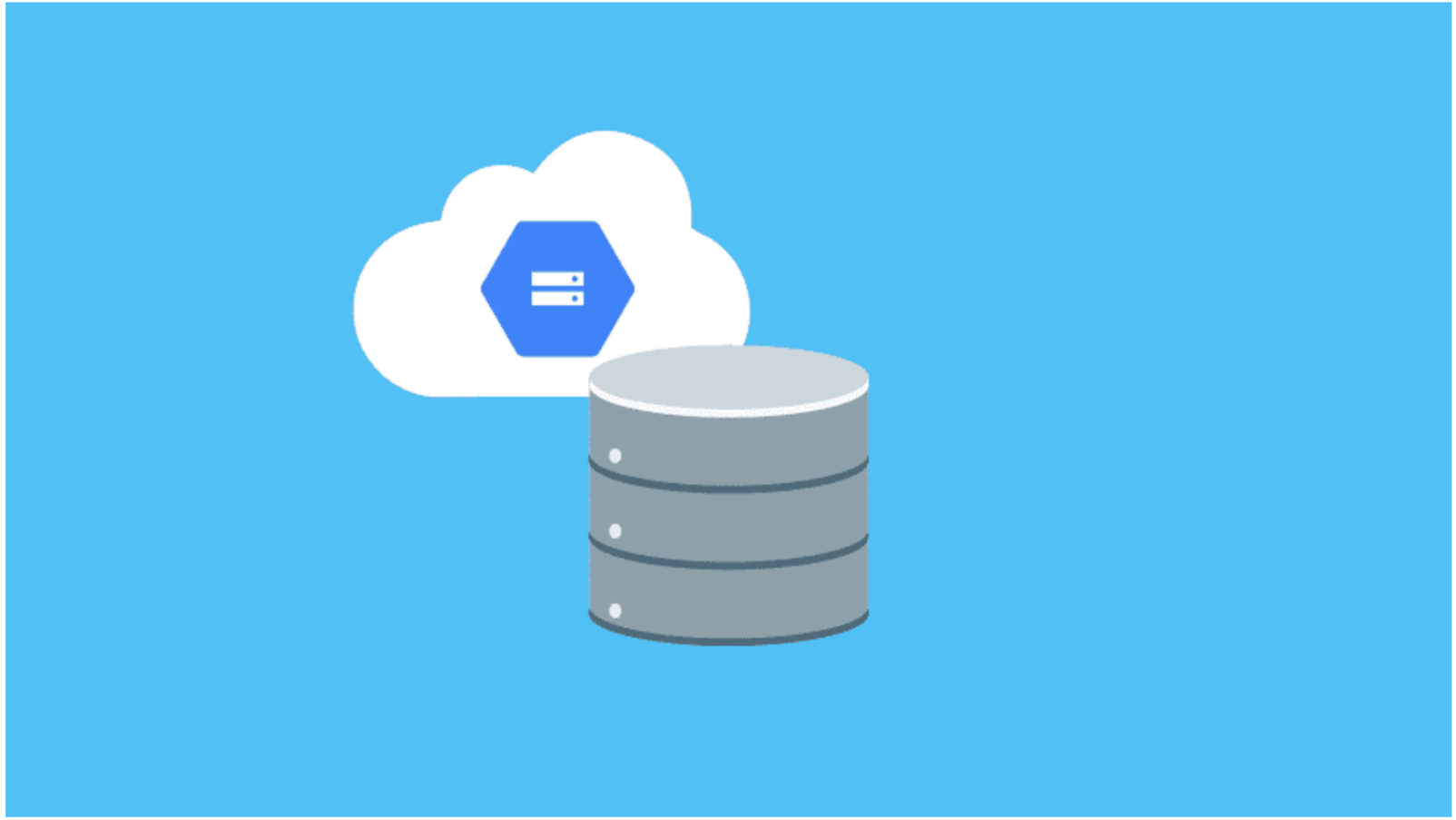
The Realtime Database integrates with Firebase Authentication to provide simple and intuitive authentication for developers. You can use our declarative security model to allow access based on user identity or with pattern matching on your data.



Store your users' photos and videos

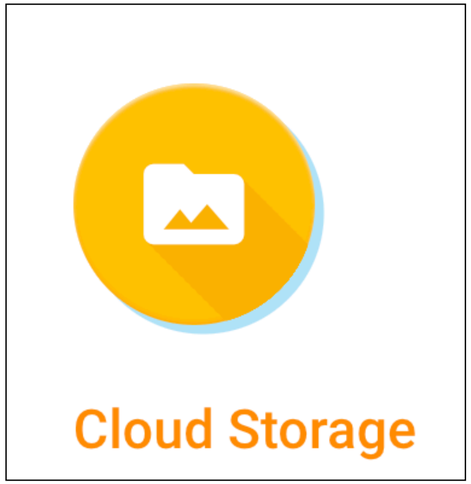
Cloud Storage is designed to help you quickly and easily store and serve user-generated content, such as photos and videos.





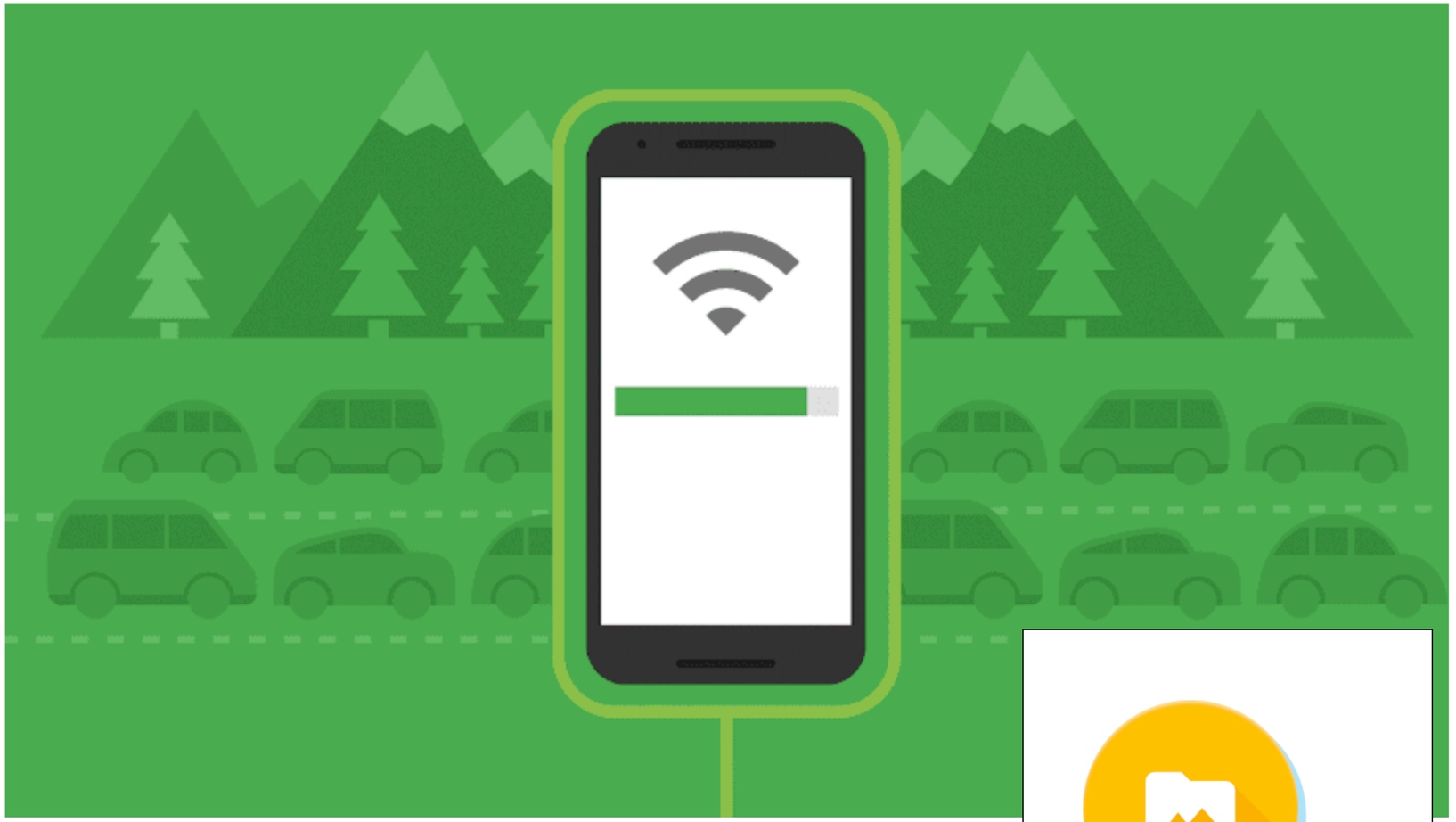
Build at Google scale

Our infrastructure is built for when your app goes viral. Effortlessly grow from prototype to production using the same technology that powers apps like Spotify and Google Photos.

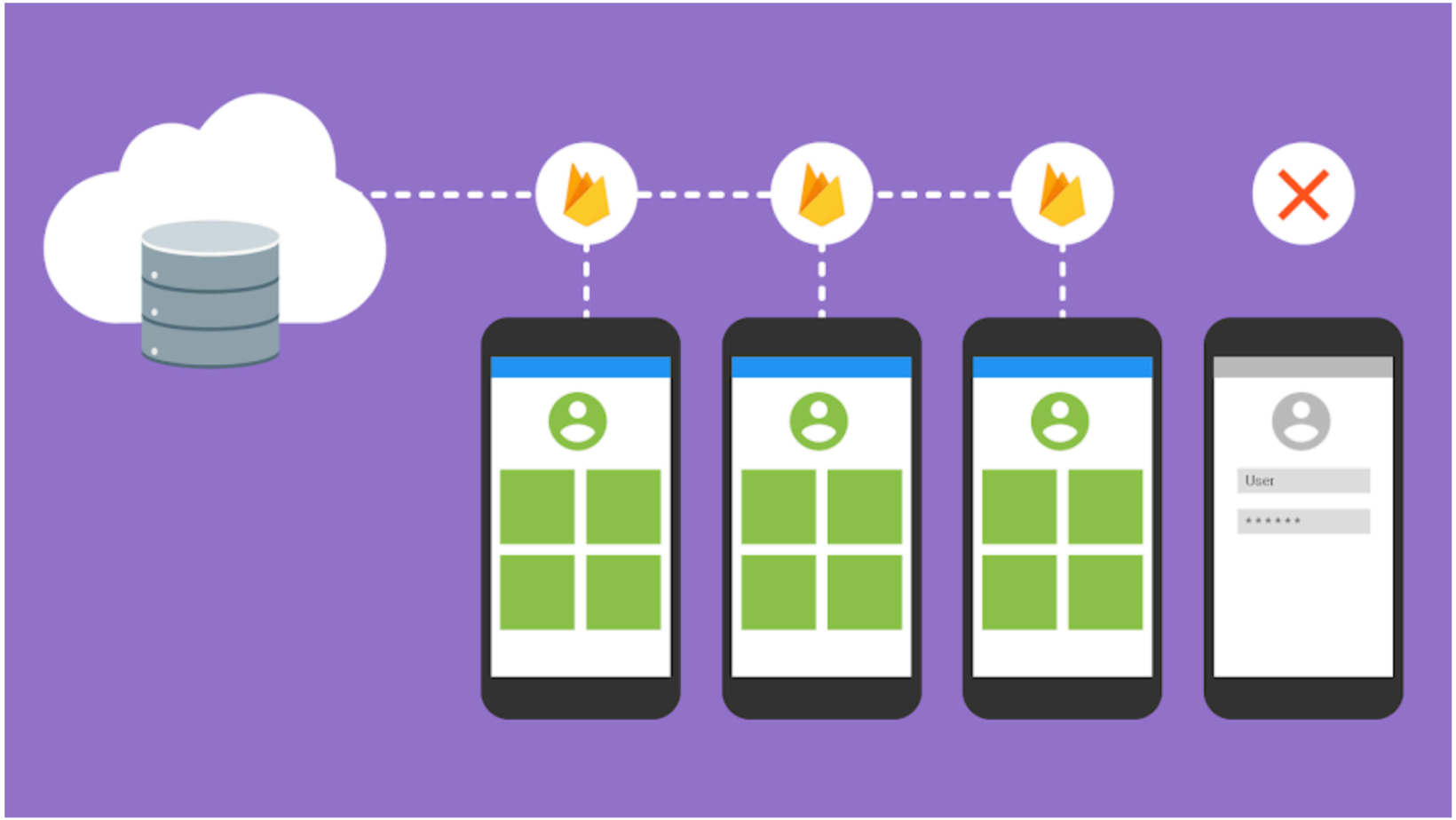


Robust uploads and downloads

Your users aren't always online, so we built the Firebase SDK for Cloud Storage with mobile connectivity in mind. It will automatically pause and resume your transfers as the app loses and regains mobile connectivity, saving your users time and bandwidth.



Cloud Storage



Strong user-based security

The Firebase SDK for Cloud Storage integrates with Firebase Authentication to provide simple and intuitive access control. You can use our declarative security model to allow access based on user identity or properties of a file, such as name, size, content type, and other metadata.