



Firebase

Realtime Database

Lunch & Learn - Cristian Arce

November 27, 2019



Firebase

1

What is Firebase?

Brief introduction to technology

2

When you should/should not use Firebase?

Understanding cases of use for the technology

3

Pros & Cons

Main benefits and fallbacks

4

Firebase Products

Overview of the main products available

5

Demo & Conclusion

A quick demo of a page built using Firebase and a closure



What is Firebase?

Google's mobile/web application development platform that helps to build, improve, and grow applications.

Features:

- Backed by Google
- Web and Mobile support
- BaaS
- +15 products available
- Low pricing plans
- Angular integration

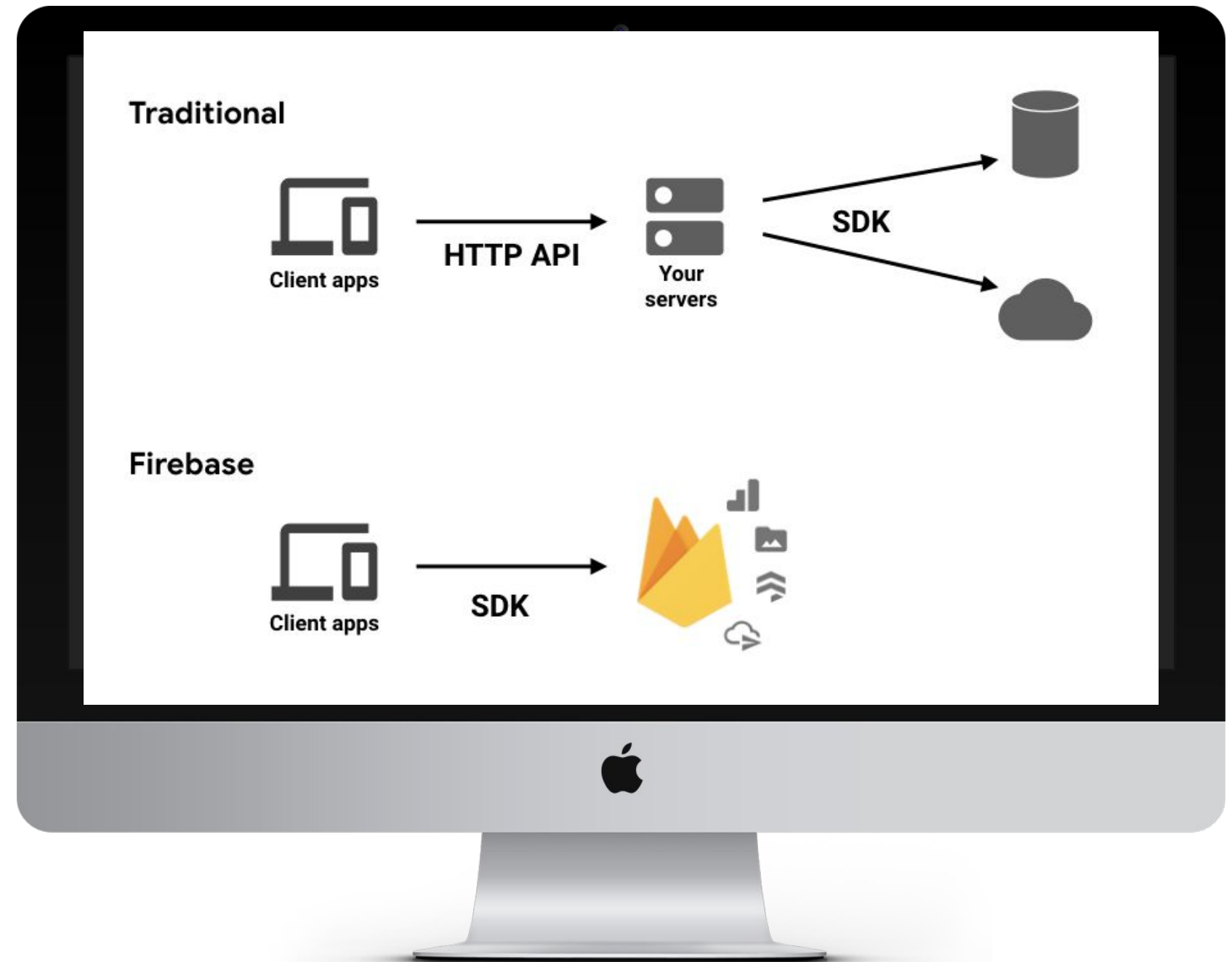


Image source: https://miro.medium.com/max/4000/0*HORJhBhTELtW9qQw



Firebase Products

Products ready to be used on the any project, it could be POC, projects from scratch, projects in previous versions, upgrades, etc.

Features:

- Auth
- Cloud Functions
- Realtime Database
- Cloud Firestore
- Cloud Storage
- Hosting



Image source: https://miro.medium.com/max/4000/0*HORJhBhTELtW9qQw



When should/should not you use Firebase?

Should

- When given a short development time
- For applications which does not required heavy data processing
- In case the notification broadcasting is the most important piece of the app
- Not to complex filtering criteria
- If frontend is the focus and not the backend

Should not

- Data models with more than single joins
- When highly tied to third party tools
- Not recommended in microservices architectures(issues with cached memory)
- When required constant data migration
- When complex apis are required



Pros & Cons

Pros

- Small learning curve
- All tools in one place
- Generous free tier for new projects
- Well documented(plenty online resources)
- Integration with GCS

Cons

- Technology not completely mature
- As projects grow, the pricing goes high
- Deficient customer support
- Not easy migration process
- No relational data



Companies using Firebase



Demo Time!



Additional Resources

A person with long dark hair is seen from behind, looking out a window. The view outside shows a city skyline with several tall buildings, including a prominent white one with red accents. In the background, there are mountains under a cloudy sky. The scene is framed by a window with a dark vertical frame.

[What is Firebase? The complete story, abridged](#)

See how our technical talent experts build your top tier team

[A quick dive into Firebase](#)

Read about how a Band of Gorillas helps deliver a modern customer experience.

[What is Firebase? The complete story, abridged](#)

See how our technical talent experts build your top tier team

Thank You

