Mobile Application Development



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Android & Firebase Part 4

Firebase Integration









- ☐ Firebase history
- ☐ The all new Firebase
- Real-time database
- Authentication
- Storage
- Remote config
- Hosting

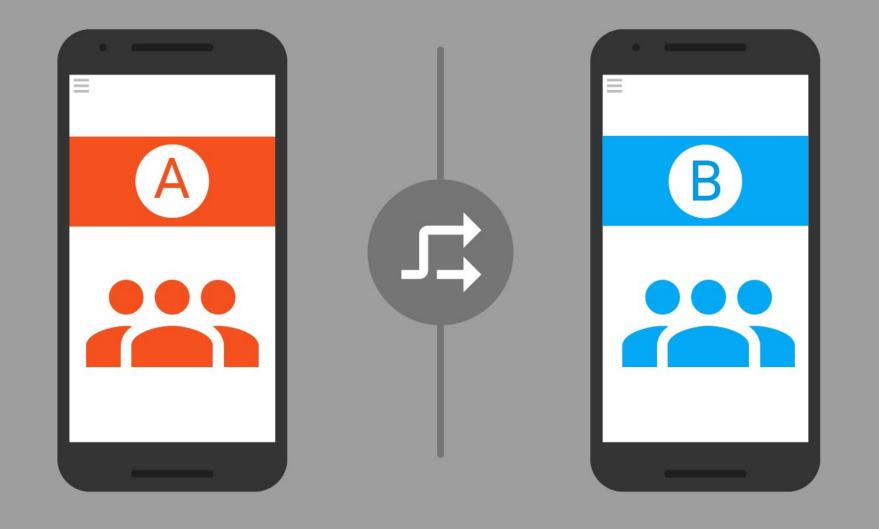
- Crash reporting
- ■Test lab
- Firebase cloud messaging
- □ Dynamic links
- App indexing
- Analytics
- ☐ CoffeeMate Highlights & Demos along the way...





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Remote Config

Update your App without actually updating it



Remote Config

- Change behavior and config without app update.
- Set in-app default values that app uses to work.
- Override these values from firebase console when app is published.
- Change configuration on the fly.
- □ Change configuration based on condition. Ideal for A/B testing



Customize Experience

- Create segments and customize experience
- ☐ Background = blue (default green) if
 - Country = India &&
 - OS Type = Android

- ☐ Discount = 30% (default 5%) if
 - OS Type = iOS
 - Version = 2.3.0



The "2 Line Code" cliché

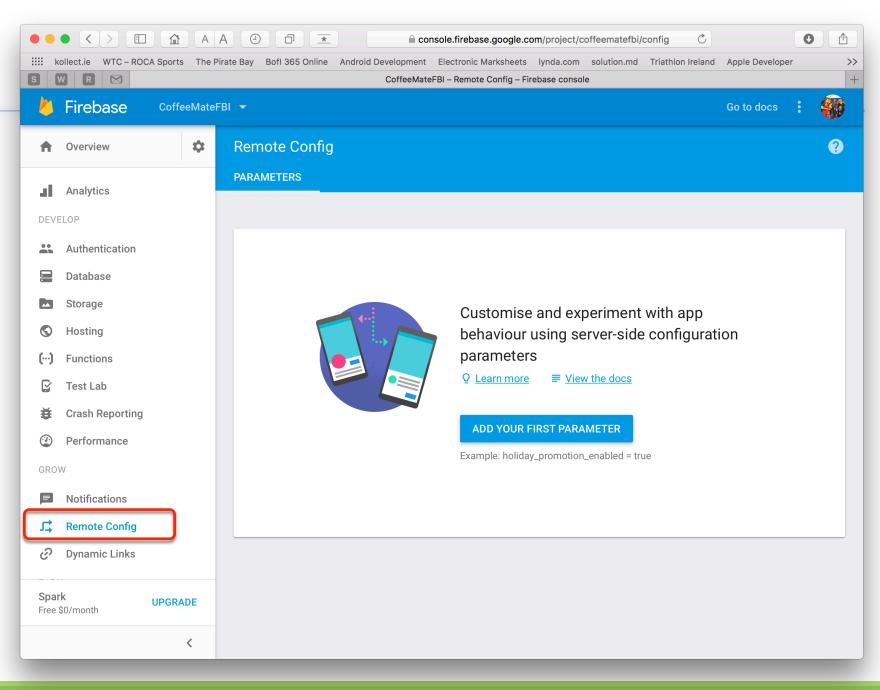
- ☐ Fetch parameters from remote config server
 - mFirebaseRemoteConfig.fetch(300).addOnCompleteListener(...)
- ☐ Make the fetched parameters available to your app
 - mFirebaseRemoteConfig.activateFetched();
- ☐ And all is done for your app



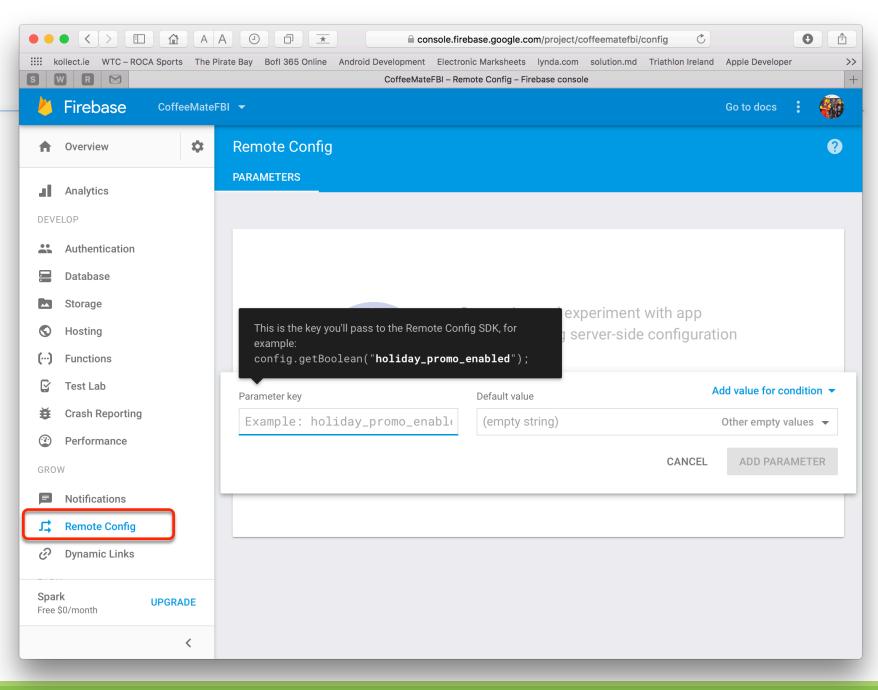
Remote Config



Quick DEMO... TBD















Some important points though....

- □ Do not think RDBMS, think JSON. How data should be structured is very important.
- ☐ Firebase has a recycler view, that integrates with real time database smoothly without any listeners.
- ☐ Test lab which is available in paid plan (Blaze), is an amazing feature for testing your app on different real and virtual devices.
- □ Set developer mode to true when testing remote config.



References & Links

- □ Presentation by Kaushal Dhruw & Shakti Moyal 2016
- → https://firebase.google.com
- ☐ Demo app available at https://goo.gl/WBP5fR



Questions?