NightJarr



Please stop me at anytime

There is no such thing as a "stupid question"

What we will cover today:

1.

tracking fit in?

Where does app Set up

2.

Set up process

3.

Implementation

GA4

Live demo

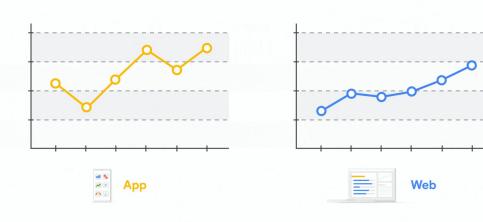
Event and

Parameters

Where does app tracking fit in?

Google Analytics / GA4

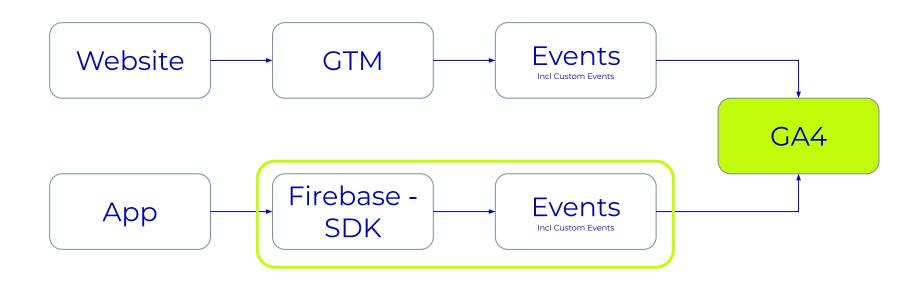
- previously known as "App + Web"



GA4 is the future (now) of Analytics and Reporting

GA4 combines web and app data on an EVENT based model

Overview



Firebase is essential for GA4

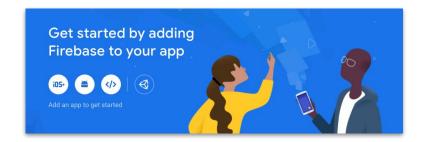


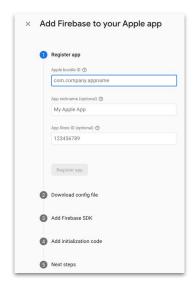
Set up process

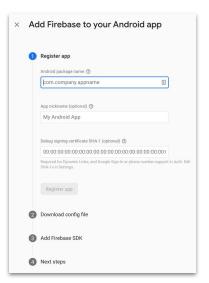
Set up process

- 1. Have an App
- Create / Login to Google account
- 3. Sign up here
- 4. Create Project
- 5. Add Firebase to app

(iOS and Android as needed)







Set up process

6-8. Download and install SDK, then submit to App Stores







Automatic Tracking

Over 30 events automatically tracked if data/ touch point exists, including:

- Ad engagement
- App remove
- App Store Subscription / Purchase
- App Update
- Dynamic Links
- In-app Messages
- First Open*
- Notification Engagement
- Screen View*
- Campaign*

Click here for full list:
[GA4] Automatically collected
events - Analytics Help

While Dev is busy installing....



Plan what else *you* would like to track in your application

Also include desired *user details* where possible

We recommend that you complete a Measurement Framework/ Tracking Plan



Any Other **User Engagement** to be tracked as **Events**

(Requires set up)

ImplementationEvents and parameters

iOS vs Android









Kotlin+KTX Android

iOS



```
Analytics.logEvent(AnalyticsEvent{{eventName}},
parameters: [
   AnalyticsParameter{{param1}}: "value1",
   AnalyticsParameter{{param2}}: "value2",
   AnalyticsParameter{{param3}}: "value3",
])
```





```
[FIRAnalytics logEventWithName:kFIREvent{{eventName}}
parameters: @
   kFIRParameterItemID:
   [NSString stringWithFormat:@"id-%@", self.title],
   kFIRParameterItemName:self.title,
   kFIRParameterContentType:@"image"
```

Android



```
Bundle bundle = new Bundle();
bundle.putString(FirebaseAnalytics.Param.{{param1}},value1);
bundle.putString(FirebaseAnalytics.Param.{{param2}},value2);
bundle.putString(FirebaseAnalytics.Param.{{param3}},value3);
mFirebaseAnalytics.logEvent(FirebaseAnalytics.Event.{{eventName}}}, bundle);
```

Android



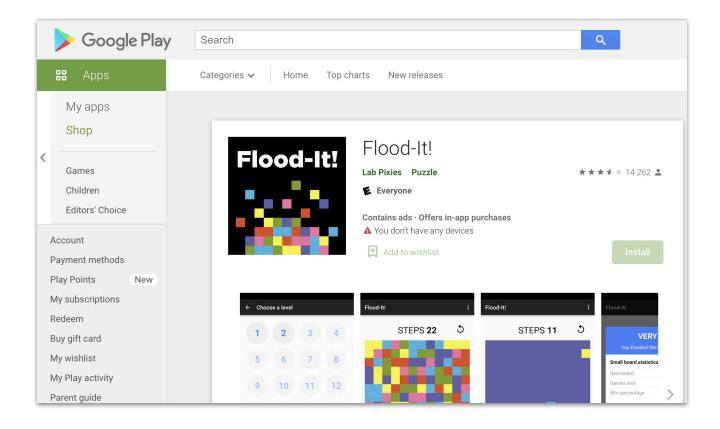
Kotlin+KTX Android

```
firebaseAnalytics.logEvent(FirebaseAnalytics.Event.{{event
Name}}) {
    param(FirebaseAnalytics.Param.{{param1}}, value1)
    param(FirebaseAnalytics.Param.{{param2}}, value2)
    param(FirebaseAnalytics.Param.{{param3}}, value3)
}
```

GA4 Limits

| Logged item | Limit | Can I delete items if I'm close to the limit? |
|-------------------------------------|--|---|
| Distinctly named events | 500 per app instance (app) Automatically collected events, like first_open and in_app_purchase, and events you collect via enhanced measurement do not count toward the limits. | No |
| Length of event name | 40 characters | N/A |
| Event parameters per event | 25 event parameters | Yes |
| Length of event- parameter name | 40 characters | N/A |
| Length of event- parameter value | 100 characters | N/A |
| User properties | 25 per property | No |
| Length of user- property names | 24 characters | N/A |
| Length of user- property values | 36 characters | N/A |
| Length of User-ID values | 256 characters | N/A |

Demo Account









Menu

How to play

Level Start



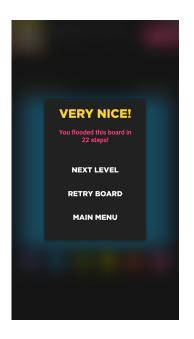


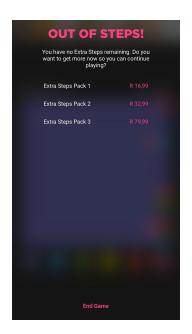


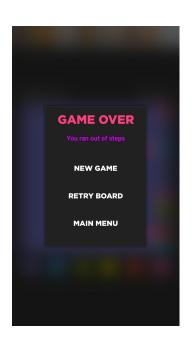
screen_view

screen_view

level_start



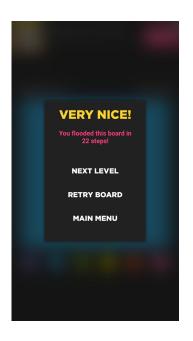


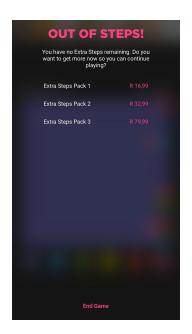


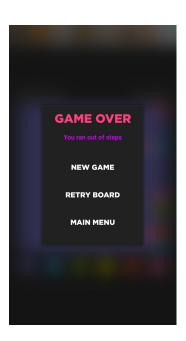
Success

In-app Purchase

Game Over





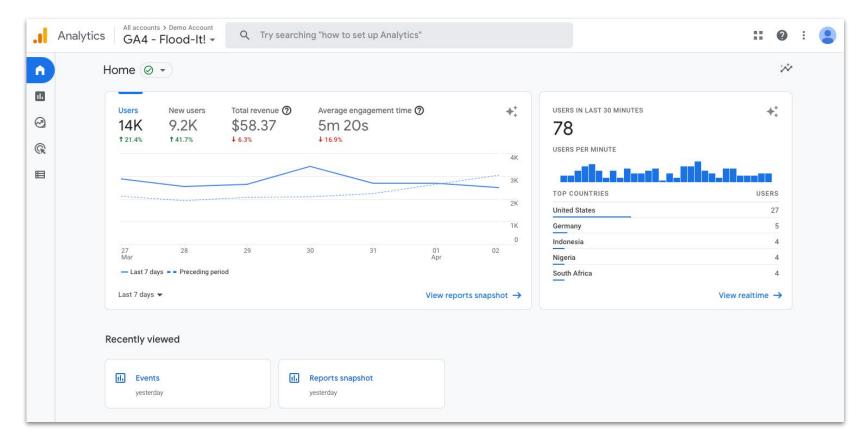


level_complete use_extra_steps

level_fail

GA4

New interface



Explore











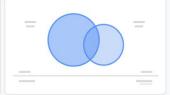
Techniques











Blank

Create a new exploration

User explorer

Free form

What insights can you uncover with custom charts and tables?

Funnel exploration

and breakdown with multi-step funnels?

Path exploration

What user journeys can you analyze, segment, What user journeys can you uncover with tree What do intersections of your segments of graphs?

Segment overlap

users tell you about their behavior?







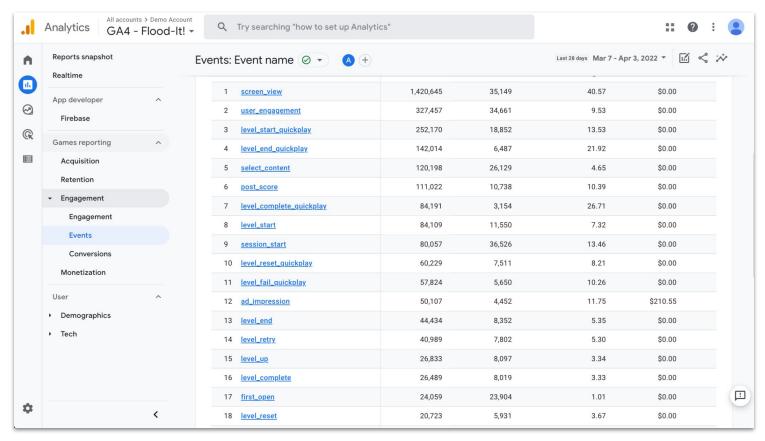
Cohort exploration

What individual behaviors can you uncover by What insights can you get from your user drilling into individual user activities? cohorts behavior over time?

User lifetime

What can you learn by analyzing the entire lifetime of your users?

Events



Live demo

Coming Soon....

Features Coming Soon...

- Machine Learning
 - o Including conversion modelling
- Predictive Audiences
 - Based on Conversion Probability
 - Based on Churn Probability
- User Lifetime Value Predictions

Next steps

Next workshops
Top KDIs to generate more Pr

Top KPIs to generate more B2B sales

Reporting with Google Data Studio

Get marketing insights (complimentary)
Click here to book

Leave us a Google review Click here

