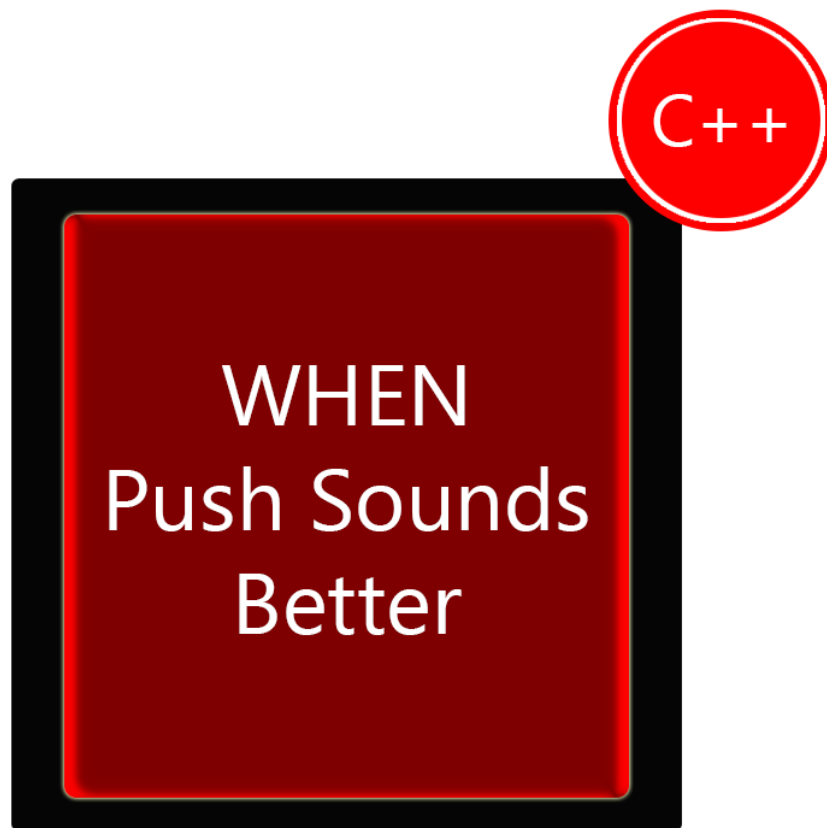


WHEN Push Sounds Better



How to implement “Remote Push Notification” in
Embarcadero Rad Studio for **Android** and **Apple**
Devices.

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Company: Duolabs Srl
Revision: 1.0
Release Date: Aug 18th 2018*

Push Notifications iOS & Android

Premise:

This project is based on **C++** code and **Delphi** code. The main core application is meant to be developed in C++ using Delphi code as separate units to accomplish the result. This document is dedicated to all those who tried hard to make their own Push Notification using Embarcadero Rad Studio and it is tested on version **Tokyo 10.2.3** with an Android SM-520 (Galaxy A5) and iPhone X (iOS 11.4.1)

File needed:

- **Delphi**

DW.iOSapi.UserNotifications.pas

DW.iOSapi.UserNotifications.hpp

DW.RemoteNotificationsPatch.iOS.pas

DW.RemoteNotificationsPatch.iOS.hpp

DW.PushClient.pas

DW.PushClient.hpp

DW.RegisterFCM.pas

DW.RegisterFCM.hpp

SharedVariables.pas

SharedVariables.hpp

- **C++**

Unit1.cpp

Unit1.h

Android. To send Push Notifications on Android you need to create a Firebase Cloud Messaging account and using the console (login) you need to create your own APP and assign to it an application identifier which must be the same on the final application (ex. *com.duolabs.mypushapp*)

iOS. On iOS you need to create a Push Certificate on Apple Developers Site which allows you to send push notifications to a specific Application within the same range of application domain (ex. *com.duolabs.mypushapp*)

Notifications for Android needs to have a FCM account and notification for Apple must have an AppID and a Push Certificate.

We are going to send Push Messages using two .php scripts, one for Android and one for iOS.

Little code Explanation.

C++ Code:

Functions:

//-----

bool __fastcall CheckInet();

Checks if internet connection is available. Not so interesting.

//-----

void __fastcall TForm1::ResendRequestButtonClick(TObject *Sender)

Requests for Mobile Device Application to be registered through FCM to FCM and APN Servers and triggers function once OnServiceConnectionChange the Token is received:

Variables:

```
FPushClient = new TPushClient();    // Instance to FPushClient creation
String ServerAppID                   = L"8189xxxxxxxx";
FPushClient->GCMAppID                 = ServerAppID;
FPushClient->ServerKey                 = L"AAAAxxxxxx";
FPushClient->BundleID                 = L"com.duolabs.mypushapp";
FPushClient->UseSandbox                = true;
FPushClient->OnChange                 = &OnServiceConnectionChange;
FPushClient->OnReceiveNotification    = &OnReceiveNotificationEvent;
FPushClient->Active                    = true;
```

//-----

void __fastcall TForm1::OnServiceConnectionChange(TObject *Sender,
TPushService::TChanges AChange)

When a Token is received. Android Token is received in FCM format (long String) and Apple Token is returned in HEX format (32Bytes). Apple Token value is passed from Delphi to C++ using "String APNSToken" declared in SharedVariables.pas

//-----

void __fastcall TForm1::ResendRequestButtonClick(TObject *Sender)

Requests for Mobile Device Application to be registered through FCM to FCM and APN Servers and triggers function:

//-----

void __fastcall TForm1::OnReceiveNotificationEvent(TObject *Sender,
TPushServiceNotification* const ANotification)

This function triggers when a notification message is received

Notes and Troubleshooting

- Device ID remains the same on every device and is sent to APN or FCM to obtain a *Token* for Remote Push Notification. Token changes every time the Application is installed (fresh installation). If you register on a DB the Token remember to update and check it every time the Mobile Application starts as it may have changed due to a re-installation of the Application (Remove->Install).
- This C++ Application is based on Delphi source code (credits to Dave Nottage@Delphi World).
[A warm thank you and my appreciations to Dave Nottage for his time and patience it paid off to me! Don't forget to have a look at his awesome WebSite for Delphi Lovers!!](#)
- A good guide for APN registration can be found here:
<https://www.raywenderlich.com/584-push-notifications-tutorial-getting-started>
- We decided not avoid FCM SDK to avoid the fact of being tied to Google's services which are and remains great but having more control on the Push Notification sets the developer free to act the way he wants. 😊

Encountered troubles along the way and solutions

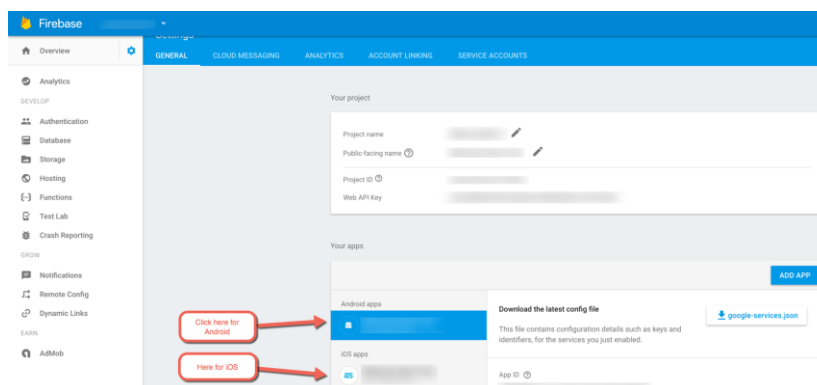
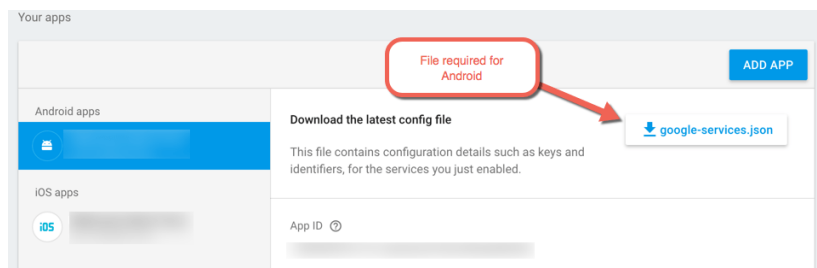
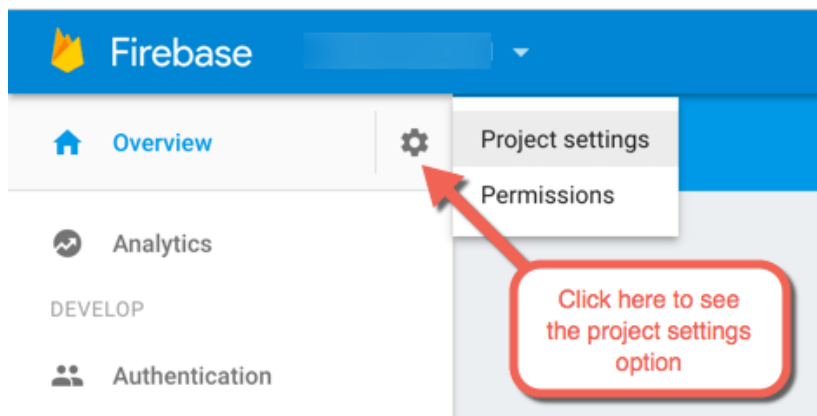
This is not meant to be an exhaustive guide about troubleshooting but some Tip and Tricks who helped me to find out pitfalls and get to the end of the Project.

PROBLEM	SOLUTION
[ANDROID] <i>In case of "java class iGoogleCloudMessaging could not be found" error</i>	Right click on libraries and "Revert System Files To Default" or https://cc.embarcadero.com/item/30831 http://docwiki.embarcadero.com/RADStudio/Tokyo/en/10.2_Tokyo_-_Release_3#Android_Apps_Manifest_Updates_Workaround
[APPLE iOS] <i>no valid 'aps-environment'</i>	The Profile used in not supporting push notification. Make sure you have the correct provisioning profile to compile the Mobile Application. To check select iOS Profile from Project Manager (iOS Device - xxbit) Go to: Project->Options->Provisioning and make sure you are using the correct provisioning profile which has the Push Notifications.
[APPLE iOS]	Recommendation: use iOSConsole as much as you can to troubleshoot the project. Having a deep debug filtered by application name could help you saving so much time in understating what is happening. I attached in this Document a detailed log on my device through the whole registration and message arriving process. Have a close look at it in case of troubles to make sure it mirrors your results.

Android – HOW TO.

Good Tutorial: <http://thundaxsoftware.blogspot.com/2017/01/firebase-cloud-messaging-with-delphi.html>

1. Create a project in Firebase Console.
Log in and create a new Application Profile.



Remember to save:

Server Key Token:	AAAAvq26xx xxx xxx xxx xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx	To put in the Application Code
Application ID (Sender ID)	818xxxxxxxxxxx	To put in the Application Code
Legacy server key	AIZAxx	To put in the .php file to Send Push Messages to FCM Server (<i>API_ACCESS_KEY</i>)

Firestore

Project Overview

Develop

Authentication

Database

Storage

Hosting

Functions

ML Kit

Quality

Crashlytics, Performance, Test Lab

Analytics

Dashboard

Events

Conversions

Audiences

Funnels

User Properties

Latest Release

Retention

StreamView

DebugView

Grow

Spark

Free \$0/month

Upgrade

PushNotification

Settings

General

Cloud Messaging

Integrations

Service accounts

Data privacy

Users and permissions

Project credentials

Add server key

Key	Token
Server key	AAAAvg26MTEAP[redacted]
Legacy server key	Alza[redacted]
Sender ID	81895[redacted]

iOS app configuration

iOS apps

iOS FCM

com.duolabs.FirebaseCloudMessaging

APNs Authentication Key

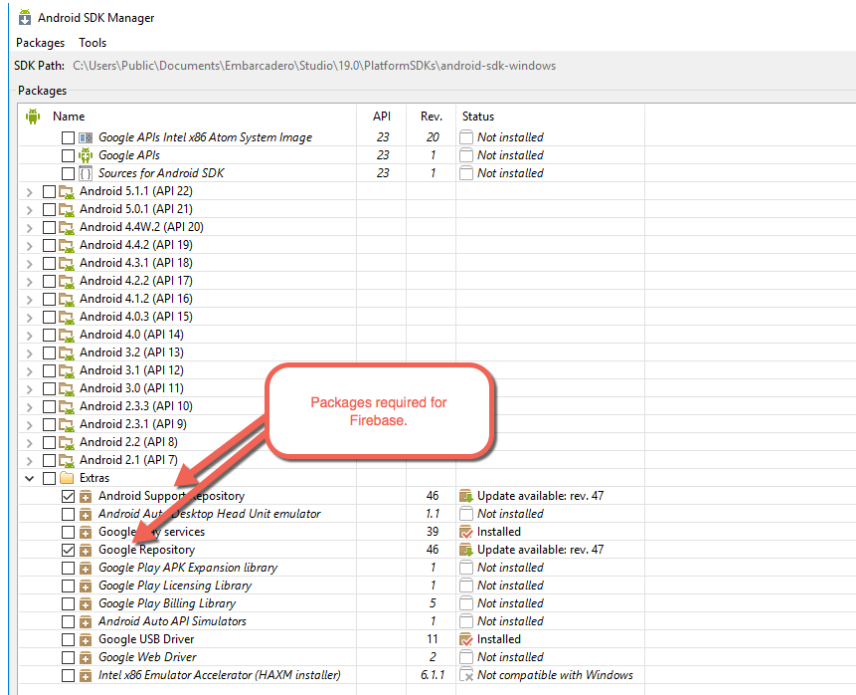
File	Key ID	App ID prefix
APNs Auth Key	443[redacted]	PY[redacted]

APNs Certificates

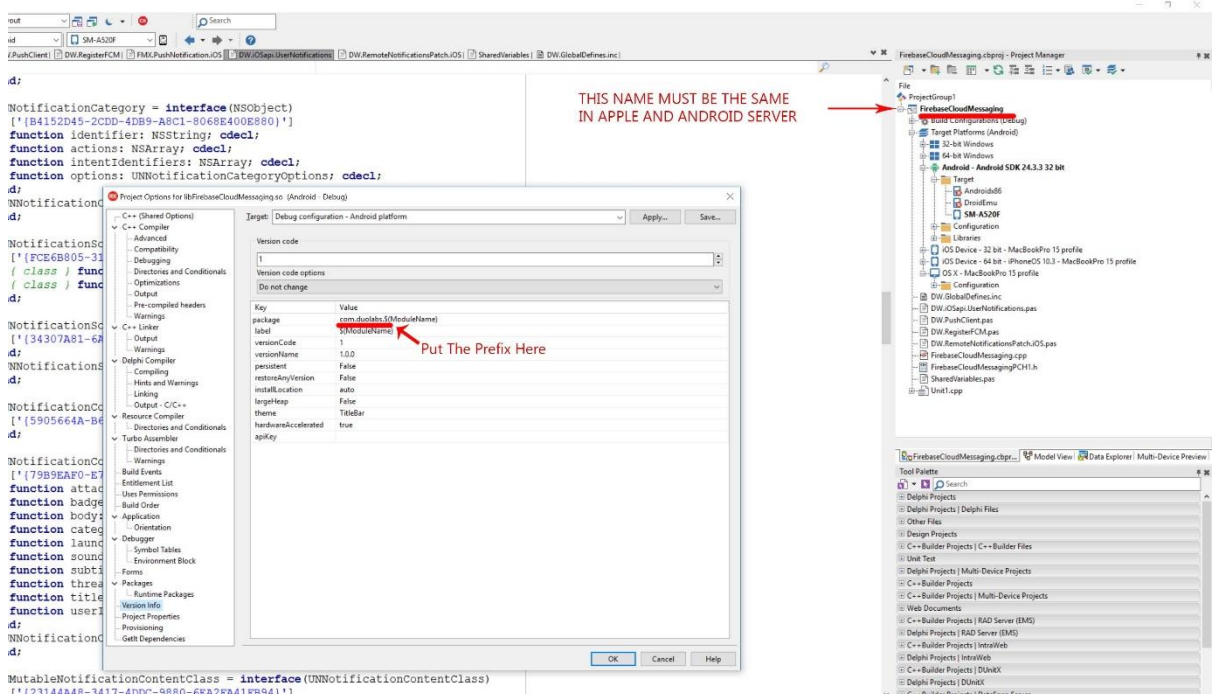
1 stored certificate

Type	Valid until
Development APNs Certificate	August 14, 2019 at 2:43:47 PM UTC+2

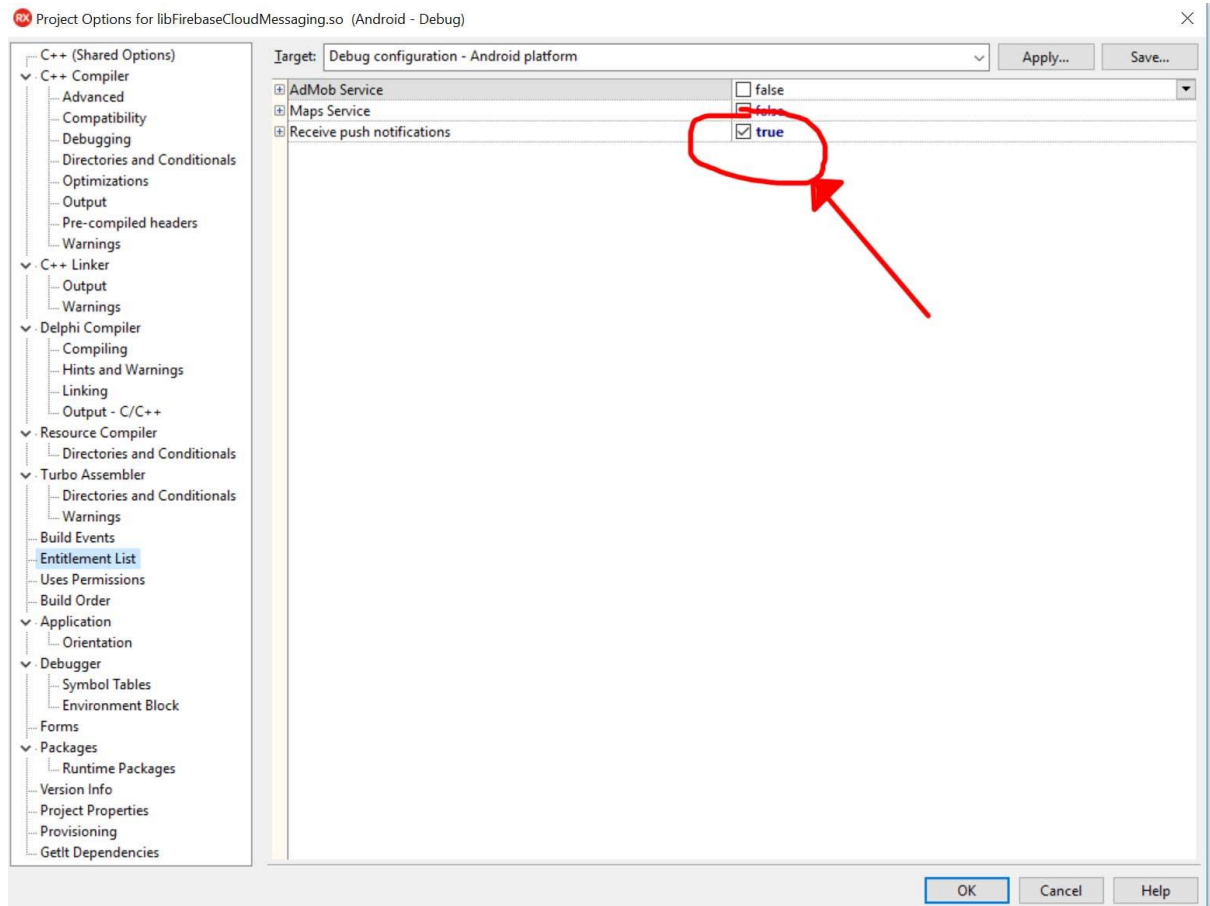
- Download the required packages using the Android SDK Manager.
On Extras (Android Tools) make sure you have **Android Support Repository** and **Google Repository**



- Make sure the Application Name matches with Package name.



4. Enable Push Notifications.



5. Change **AndroidManifest.template.xml** into:

```
<?xml version="1.0" encoding="utf-8"?>
<!-- BEGIN_INCLUDE(manifest) -->
<manifest xmlns:android="http://schemas.android.com/apk/res/android"
    package="%package%"
    android:versionCode="%versionCode%"
    android:versionName="%versionName%"
    android:installLocation="%installLocation%">

    <!-- This is the platform API where NativeActivity was introduced. -->
    <uses-sdk android:minSdkVersion="%minSdkVersion%" android:targetSdkVersion="%targetSdkVersion%" />
<%uses-permission%>
    <!-- FCM push notifications permission -->
    <uses-permission android:name="com.google.android.c2dm.permission.RECEIVE" />
    <uses-feature android:glEsVersion="0x00020000" android:required="True"/>
    <application android:persistent="%persistent%"
        android:restoreAnyVersion="%restoreAnyVersion%"
        android:label="%label%"
        android:debuggable="%debuggable%"
        android:largeHeap="%largeHeap%"
        android:icon="%icon%"
        android:theme="%theme%"
        android:hardwareAccelerated="%hardwareAccelerated%">

<%application-meta-data%>
    <%services%>
    <!-- Our activity is a subclass of the built-in NativeActivity framework class. This will take care of integrating with our
    NDK code. -->
    <activity android:name="com.embarcadero.firemonkey.FMXNativeActivity"
        android:label="%activityLabel%"
        android:configChanges="orientation|keyboard|keyboardHidden|screenSize"
        android:launchMode="singleTask">
    <!-- Tell NativeActivity the name of our .so -->
    <meta-data android:name="android.app.lib_name"
        android:value="%libNameValue%" />
    <!-- FCM push notifications intent filter -->
    <intent-filter>
        <action android:name="android.intent.action.MAIN" />
        <category android:name="android.intent.category.LAUNCHER" />
    </intent-filter>
    </activity>
    <%activity%>
    <%receivers%>
    <!-- FCM push notifications service -->
    <service android:name="com.embarcadero.gcm.notifications.GCMIntentService" />
    </application>
</manifest>
<!-- END_INCLUDE(manifest) -->
```

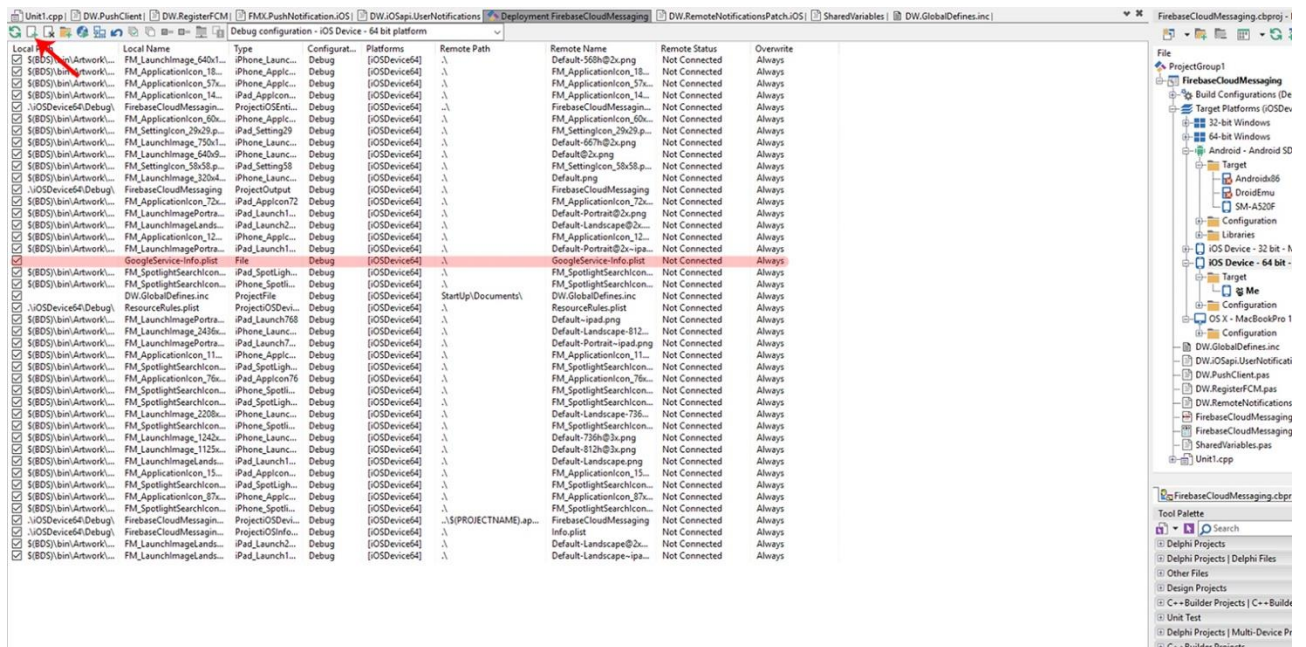
iOS – HOW TO.

On iOS we use FCM (Firebase Cloud Messaging) only to obtain a Token from Apple APN in order to be able to register the token and later to send the push message via PHP. Sending messages using FCM console did not work at all trials. It might have been due to a misconfiguration or what so ever but we preferred better to write our own scripts.

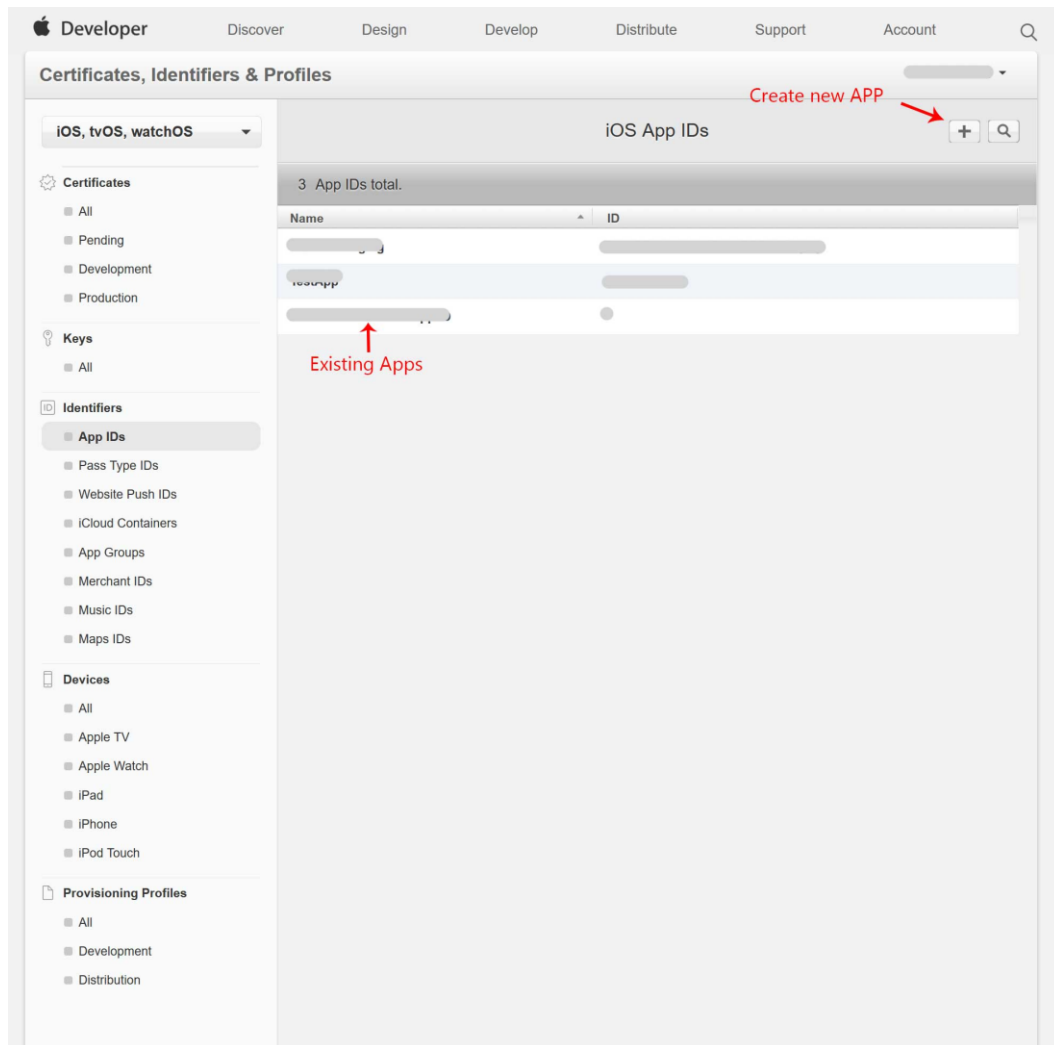
Pre-Requisites.

1. Have a valid Apple Developer Account.
2. Download and use a nice tool called iOSConsole to possibly debug from <https://lemonjar.com/iosconsole/> which runs on MacOSX and helps to find out troubles.
3. Make sure you have signed in for a FCM application for iOS and you have obtained the *GoogleService-Info.plist* which has to be included in the Deployment File.

[Select iOS Device – xxbit]:: Deployment->Add Files (See the red arrow) -> *GoogleService-Info.plist*



1. Create a New App ID from Apple Developers page.



2. Fill the Application Form setting an Application Mnemonic Name, Application Bundle ID (**This must be the same as in Embarcadero**) and flag Push Notifications

Registering an App ID

The App ID string contains two parts separated by a period (.) — an App ID Prefix that is defined as your Team ID by default and an App ID Suffix that is defined as a Bundle ID search string. Each part of an App ID has different and important uses for your app. [Learn More](#)

App ID Description **App Name Mnemonic Only**

Name:
You cannot use special characters such as @, &, *, ', "

App ID Prefix

Value:

App ID Suffix

☒ **Explicit App ID**
If you plan to incorporate app services such as Game Center, In-App Purchase, Data Protection, and iCloud, or want a provisioning profile unique to a single app, you must register an explicit App ID for your app.

To create an explicit App ID, enter a unique string in the Bundle ID field. This string should match the Bundle ID of your app.

Application ID (Bundle ID com.duolabs.AppName)

Bundle ID:
We recommend using a reverse-domain name style string (i.e., com.domainname.appname). It cannot contain an asterisk (*).

☐ **Wildcard App ID**
This allows you to use a single App ID to match multiple apps. To create a wildcard App ID, enter an asterisk (*) as the last digit in the Bundle ID field.

Bundle ID:
Example: com.domainname.*

App Services
Select the services you would like to enable in your app. You can edit your choices after this App ID has been registered.

Enable Services:

- ☐ Access WiFi Information
- ☐ App Groups
- ☐ Apple Pay Payment Processing
- ☐ Associated Domains
- ☐ AutoFill Credential Provider
- ☐ ClassKit
- ☐ Data Protection
 - ☒ Complete Protection
 - ☐ Protected Unless Open
 - ☐ Protected Until First User Authentication
- ☒ Game Center
- ☐ HealthKit
- ☐ HomeKit
- ☐ Hotspot
- ☐ iCloud
 - ☐ Compatible with Xcode 5
 - ☒ Include CloudKit support (requires Xcode 6)
- ☒ In-App Purchase
- ☐ Inter-App Audio
- ☐ Multipath
- ☐ Network Extensions
- ☐ NFC Tag Reading
- ☐ Personal VPN
- ☒ Push Notifications
- ☐ SiriKit
- ☐ Wallet
- ☐ Wireless Accessory Configuration

Cancel **Continue**

3. Press “Continue” and “Register the Application”

4. Create the certificate with keychain.

iOS, tvOS, watchOS

Certificates

All

- Pending
- Development
- Production

Keys

All

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs
- iCloud Containers
- App Groups
- Merchant IDs
- Music IDs
- Maps IDs

Devices


- All
- Apple TV
- Apple Watch
- iPad
- iPhone
- iPod Touch

Provisioning Profiles

- All
- Development
- Distribution

Add iOS Certificate

Select TypeRequestGenerateDownload



What type of certificate do you need?

Development

- ☐ **iOS App Development**
Sign development versions of your iOS app.
- ☐ **Apple Push Notification service SSL (Sandbox)** (Maximum number of certificates generated)
Establish connectivity between your notification server and the Apple Push Notification service sandbox environment to deliver remote notifications to your app. A separate certificate is required for each app you develop.

Production

- ☐ **App Store and Ad Hoc**
Sign your iOS app for submission to the App Store or for Ad Hoc distribution.
- ☒ **Apple Push Notification service SSL (Sandbox & Production)**
Establish connectivity between your notification server, the Apple Push Notification service sandbox, and production environments to deliver remote notifications to your app. When utilizing HTTP/2, the same certificate can be used to deliver app notifications, update ClockKit complication data, and alert background VoIP apps of incoming activity. A separate certificate is required for each app you distribute.
- ☐ **Pass Type ID Certificate**
Sign and send updates to passes in Wallet.
- ☐ **Website Push ID Certificate**
Sign and send updates for Websites.
- ☐ **WatchKit Services Certificate**
Establish connectivity between your notification server, the Apple Push Notification service sandbox, and production environment to update ClockKit complication data. When utilizing HTTP/2, the same certificate can be used to deliver app notifications, update ClockKit complication data, and alert background VoIP apps of incoming activity. A separate certificate is required for each app you distribute.
- ☐ **VoIP Services Certificate**
Establish connectivity between your notification server, the Apple Push Notification service sandbox

Certificates, Identifiers & Profiles

iOS, tvOS, watchOS

Certificates

- All
- Pending
- Development
- Production

Keys

- All

Identifiers

- App IDs
- Pass Type IDs
- Website Push IDs
- iCloud Containers
- App Groups
- Merchant IDs
- Music IDs
- Maps IDs

Devices

- All
- Apple TV
- Apple Watch
- iPad
- iPhone
- iPod Touch

Provisioning Profiles

- All
- Development
- Distribution

Add iOS Certificate

Select Type

Request

Generate

Download



Which App ID would you like to use?

All App IDs that you want to enable for remote notifications require their own Apple Push Notification service SSL certificate. The App ID-specific SSL certificate allows your server to connect to the Apple Push Notification service. Note that only explicit App IDs with a specific Bundle Identifier can be used to create an Apple Push Notification service SSL certificate.

Select an App ID for your Apple Push Notification service SSL Certificate (Sandbox & Production)

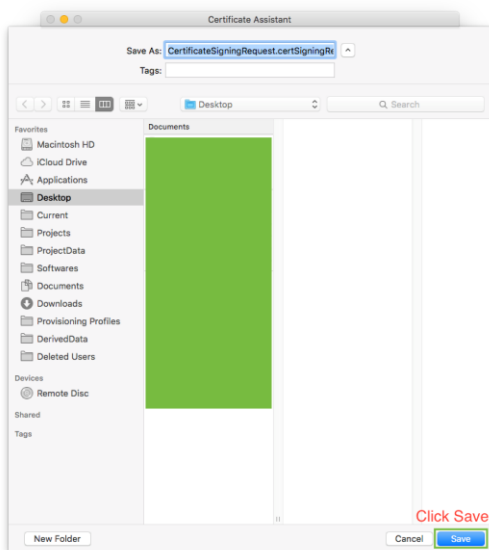
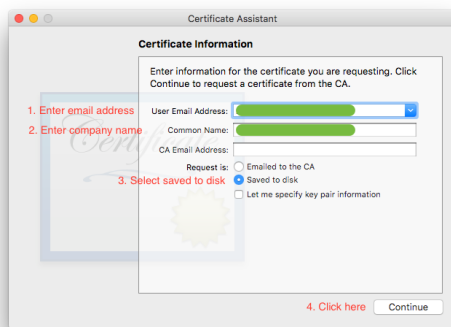
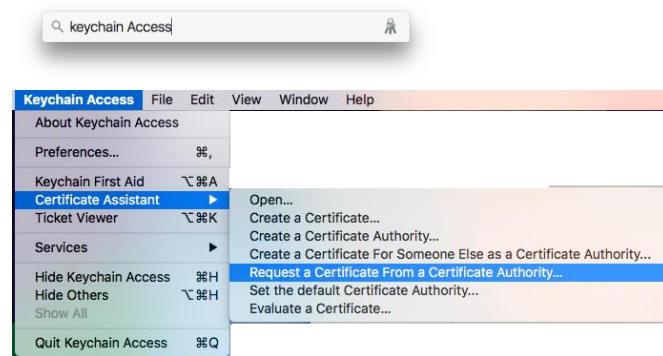
App ID: Select The Application ID you Previously Generated

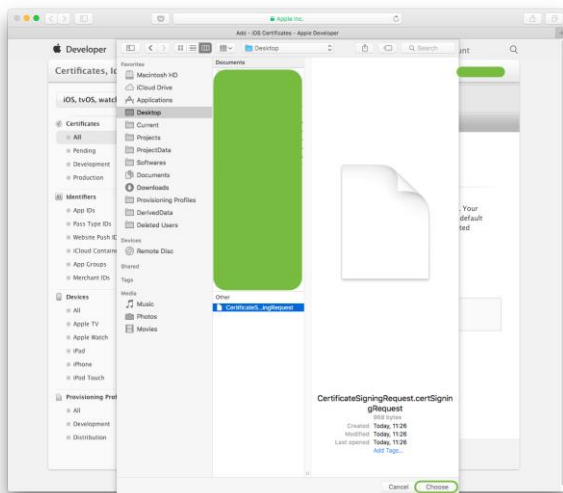
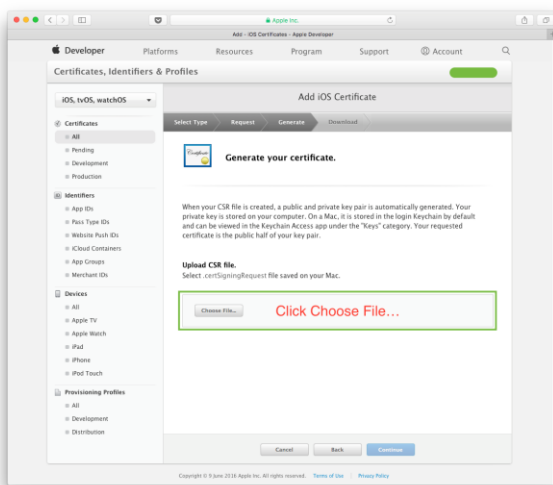
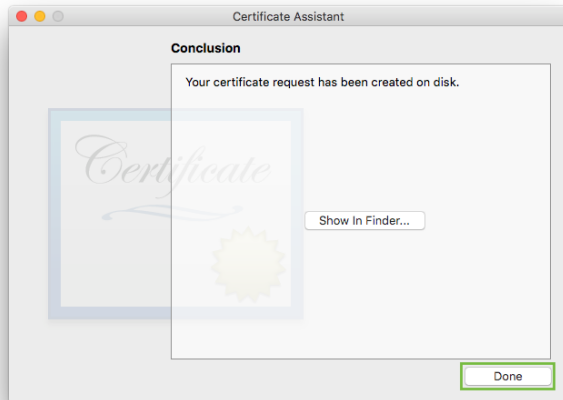
Cancel

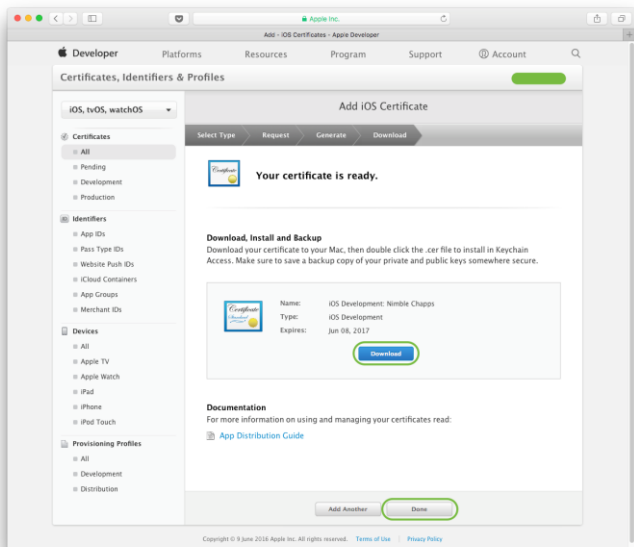
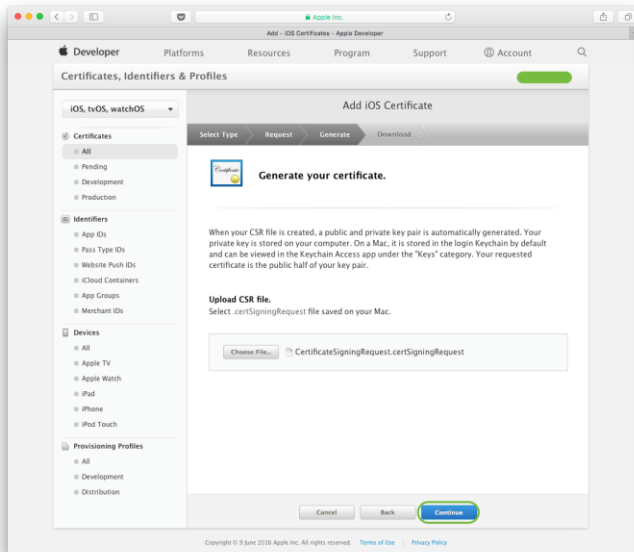
Back

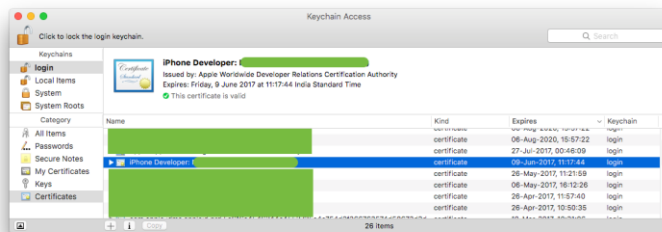
Continue

On MAC Request a Certificate Generation









Go to KeyChain, There are display certificate which is you already installed. The certificate start with "Apple Development iOS Push Services" that followed by bundle Id like com.iosDev.PushTest.

Right click on "Apple Development iOS Push Services" and export it. and Save the **apns-dev-cert.p12** file.

Open the terminal and go to the path where you save the **apns-dev-cert.p12**. where and follow the below command to generate the .PEM file.

```
openssl pkcs12 -in apns-dev-cert.p12 -out apns-dev-cert.pem -nodes -clcerts
```

"apns-dev-cert.pem" will be used in .php script to send Push Notifications.

Android .php Script to Send Push notifications:

```
<?php
// https://gist.github.com/prime31/567501
// API access key from Google API's Console

define( 'API_ACCESS_KEY', 'Alza Legacy server key ' );
$registrationIds = array ( "APA91 DEVICE TOKEN" );

// prep the bundle
$msg = array
(
    'message' => 'here is a message. message',
    'title'    => 'This is a title. title',
    'subtitle' => 'This is a subtitle. subtitle',
    'tickerText' => 'Ticker text here...Ticker text here...Ticker text here',
    'vibrate'  => 1,
    'sound'    => 1,
    'largeIcon' => 'large_icon',
    'smallIcon' => 'small_icon'
);

$fields = array
(
    'registration_ids' => $registrationIds,
    'data'             => $msg
);

$headers = array
(
    'Authorization: key=' . API_ACCESS_KEY,
    'Content-Type: application/json'
);

$ch = curl_init();
curl_setopt( $ch,CURLOPT_URL, 'https://android.googleapis.com/gcm/send' );
curl_setopt( $ch,CURLOPT_POST, true );
curl_setopt( $ch,CURLOPT_HTTPHEADER, $headers );
curl_setopt( $ch,CURLOPT_RETURNTRANSFER, true );
curl_setopt( $ch,CURLOPT_SSL_VERIFYPEER, false );
curl_setopt( $ch,CURLOPT_POSTFIELDS, json_encode( $fields ) );
$result = curl_exec($ch);
curl_close( $ch );
echo $result;
?>
```

iOS .php Script to Send Push notifications:

```
<?php

// Provide the Host Information.
// https://gist.github.com/prime31/5675017
// https://iosdevcenters.blogspot.com/2017/09/how-to-create-pem-file-for-apns-ios.html

$Host = 'gateway.sandbox.push.apple.com';
$Port = 2195;

// Provide the Certificate and Key Data.
// File has to be located the same directory of this script or specify a different path
$Cert = 'apns-dev-cert.pem';

// Provide the Private Key Passphrase (alternatively you can keep this secret
// and enter the key manually on the terminal -> remove relevant line from code).
// Replace XXXXX with your Passphrase for Apple Certificate
$Passphrase = 'XXXXXX';

// Provide the Device Identifier (Ensure that the Identifier does not have spaces in it).
// Replace this token with the token of the iOS device that is to receive the notification.
$Token = '0xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx';
echo "Token: '$Token' <br>";

// The message that is to appear on the dialog.
$Alert = "Alert Title";

// The Badge Number for the Application Icon (integer >=0).
$Badge = 1;

// Audible Notification Option.

$Sound = 'default';

// The content that is returned by the LiveCode "pushNotificationReceived" message.
$Payload = 'MESSAGE HERE';

// Create the message content that is to be sent to the device.

$Body['aps'] = array (
    'alert' => $Alert,
    'badge' => $Badge,
    'sound' => $Sound,
    'title' => 'Title',
    'subtitle' => 'subtitle',
    'body' => 'body',
    'payload' => $Payload,
);

// Encode the body to JSON.
$Body = json_encode ($Body);

// Create the Socket Stream.
$Context = stream_context_create ();
stream_context_set_option ($Context, 'ssl', 'local_cert', $Cert);

// Remove this line if you would like to enter the Private Key Passphrase manually.
stream_context_set_option ($Context, 'ssl', 'passphrase', $Passphrase);

// Open the Connection to the APNS Server.
$Socket = stream_socket_client ('ssl://'.$Host.':'.$Port, $Error, $Errstr, 30,
STREAM_CLIENT_CONNECT|STREAM_CLIENT_PERSISTENT, $Context);

// Check if we were able to open a socket.
if (!$Socket)
    exit ("APNS Connection Failed: $Error $Errstr" . PHP_EOL);
```

```
// Build the Binary Notification.  
$tMsg = chr (0) . chr (0) . chr (32) . pack ('H*', $tToken) . pack ('n', strlen ($tBody)) . $tBody;  
echo "<br><br>tMsg: $tMsg <br><br>"
```

```
// Send the Notification to the Server.  
$tResult = fwrite ($tSocket, $tMsg, strlen ($tMsg));
```

```
if ($tResult){  
    echo 'Delivered Message to APNS' . PHP_EOL;  
}  
    else  
    {  
        echo 'Could not Deliver Message to APNS' . PHP_EOL;  
    }
```

```
// Close the Connection to the Server.
```

```
fclose ($tSocket);
```

?>

Links

Handling Firebase Cloud Messaging on Android and iOS

<http://www.delphiworlds.com/2017/04/firebase-cloud-messaging-android-ios/>

Adding Firebase Cloud Messaging to your mobile apps – part 1

<http://www.delphiworlds.com/2017/05/add-firebase-cloud-messaging-mobile-apps-part-1/>

Adding Firebase Cloud Messaging to your mobile apps – part 2

<http://www.delphiworlds.com/2017/05/adding-firebase-cloud-messaging-mobile-apps-part-2/>

Настройка пуш уведомлений через сервис Firebase для ANDROID и IOS [часть 2]

<https://github.com/rzaripov1990/PUSHTestFCM>

<http://blog.rzaripov.kz/2017/02/firebase-android-ios-2.html>

<http://blog.rzaripov.kz/2017/02/firebase-android-ios.html>

iOS How to get Firebase Device Token C++

<http://forums.bcbjournal.org/viewtopic.php?f=10&t=3108>

Multi-Device Application to Receive Push Notifications

http://docwiki.embarcadero.com/RADStudio/XE8/en/Multi-Device_Application_to_Receive_Push_Notifications

Thread: Remote Notifications for iOS and Android? We got an expert here?

<https://forums.embarcadero.com/thread.jspa?threadID=248351>

Push Notifications Tutorial: Getting Started

<https://www.raywenderlich.com/584-push-notifications-tutorial-getting-started>

<https://blog.grijjy.com/2017/01/31/receiving-push-notifications-from-apples-push-notification-and-googles-firebase-cloud-messaging-services/>

<https://blog.grijjy.com/2017/01/18/sending-ios-and-android-remote-push-notifications-from-your-delphi-service-with-the-http2-protocol/>

<https://forums.embarcadero.com/thread.jspa?messageID=885521>

<http://www.delphiworlds.com/2017/04/firebase-cloud-messaging-android-ios/>

Portugues:

<https://www.youtube.com/watch?v=fXdFswRvwCc>

<https://github.com/bittencourtthulio/TBGConnection>

<https://www.youtube.com/watch?v=I5AbZKraJ5E>

<https://www.youtube.com/watch?v=MTqFOQkOgVE>

Using Kinvey:

<https://www.youtube.com/watch?v=lof5vaohbL8>

General Explanation:

<http://thundaxsoftware.blogspot.com/2017/01/firebase-cloud-messaging-with-delphi.html>

WORKING

Repository:

<https://github.com/DelphiWorlds/KastriFree/tree/master/Workarounds>

FCM php

<https://github.com/sngri/php-firebase-cloud-messaging>

Making a .PEM from Cert

<https://iosdevcenters.blogspot.com/2017/09/how-to-create-pem-file-for-apns-ios.html>

https://developer.apple.com/documentation/usernotifications/setting_up_a_remote_notification_server/generating_a_remote_notification

iOS Token

Push app to test: <https://github.com/ashishkakkad8/Notifications10ObjC>

1. Use the application ios Console from <http://www.lemonjar.com> to check the app status and have a good debugging level.
2. Make sure the Mac Profile is correct for push notification. If in the log file (ios console) you find “*no valid aps-environment*” this means that the profile is not correct. Generate a correct profile on the mac side to make sure the App has the push notification (<https://stackoverflow.com/questions/27324020/no-valid-aps-environment-entitlement-string-found-for-application-on-app-store>).
Make sure you select the correct provisioning profile while compiling the project!
3. Create a .p8 key from developers.apple.com in the section <https://developer.apple.com/account/ios/authkey/> and insert it into the FCM console under the iOS specific APP when requested.

Interesting link: <https://stackoverflow.com/questions/39672297/how-to-use-apples-new-p8-certificate-for-apns-in-firebase-console>

Configuring APNs with FCM

<https://firebase.google.com/docs/cloud-messaging/ios/certs>

Log for iOS from Device registration to Message Notification

*** APPLICATION START ***

```
Aug 17 17:25:27 jna-Me mobile_installation_proxy(MobileInstallation)[2453] <Notice>: (null):5:1:1:Beginning installation for
file:///var/mobile/Media/PublicStaging/FirebaseCloudMessaging.app/ with options {
    AllowInstallLocalProvisioned = 1;
    PackageType = Developer;
}
Aug 17 17:25:27 jna-Me lsd(MobileInstallation)[94] <Notice>: (null):5:1:1:1:Install file:///var/mobile/Media/PublicStaging/FirebaseCloudMessaging.app/
with options {
    AllowInstallLocalProvisioned = 1;
    PackageType = Developer;
}
Aug 17 17:25:27 jna-Me installld(MobileSystemServices)[2454] <Notice>: 0x16b5c7000 -[MIClientConnection
_doInstallationForURL:withOptions:completion:]: Install of "/var/mobile/Media/PublicStaging/FirebaseCloudMessaging.app" type Developer (LSInstallType =
(null)) requested by lsd (pid 94)
Aug 17 17:25:27 jna-Me assertiond[76] <Notice>: Request to create termination assertion <BKSTerminationAssertionCreateEvent: 0x10140d8f0; Identifier:
2454-F40BF677-5B49-4BD0-BAE3-9862FC4F239E; Name: FBSApplicationTerminationAssertion; Target BundleID: com.duolabs.FirebaseCloudMessaging;
Efficacy: Unconditional> from client <BKClientHandle: 0x1015165c0; installld:2454; connections: 1>
Aug 17 17:25:27 jna-Me installld(MobileSystemServices)[2454] <Notice>: Acquired termination assertion for event <BKSTerminationAssertionCreateEvent:
0x104c03480; Identifier: 2454-F40BF677-5B49-4BD0-BAE3-9862FC4F239E; Name: FBSApplicationTerminationAssertion; Target BundleID:
com.duolabs.FirebaseCloudMessaging; Efficacy: Unconditional>
Aug 17 17:25:27 jna-Me installld(MobileSystemServices)[2454] <Notice>: 0x16b5c7000 -[MIInstaller performInstallationWithError:]: Installing
<MIInstallableBundle ID=com.duolabs.FirebaseCloudMessaging; Version=1.0.0, ShortVersion=1.0.0>
Aug 17 17:25:27 jna-Me installld(MobileInstallation)[2454] <Notice>: com.duolabs.FirebaseCloudMessaging:7:7:1:1:Start : Install (Promote From Placeholder)
Aug 17 17:25:29 jna-Me installld(MobileSystemServices)[2454] <Notice>: 0x16b5c7000 -[MIInstallableBundle _refreshUUIDForContainer:withError:]: Data
container for com.duolabs.FirebaseCloudMessaging is now at /private/var/mobile/Containers/Data/Application/51DE3792-D928-460B-AE27-A7BF03BD1FFD
Aug 17 17:25:29 jna-Me installld(MobileSystemServices)[2454] <Notice>: 0x16b5c7000 -[MIContainer
makeContainerLiveReplacingContainer:reason:withError:]: Made container live for com.duolabs.FirebaseCloudMessaging at
/private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503
Aug 17 17:25:29 jna-Me installld(MobileInstallation)[2454] <Notice>: com.duolabs.FirebaseCloudMessaging:7:7:2:1:Success (End) : Install (Promote From
Placeholder)
Aug 17 17:25:29 jna-Me installld(MobileSystemServices)[2454] <Notice>: 0x16b5c7000 -[MIInstaller performInstallationWithError:]: Install Successful for
(com.duolabs.FirebaseCloudMessaging); Staging: 0.01s; Waiting: 0.00s; Preflight/Patch: 1.62s, Verifying: 0.15s; Overall: 2.24s
Aug 17 17:25:29 jna-Me lsd(MobileInstallation)[94] <Notice>: com.duolabs.FirebaseCloudMessaging:5:4:1:1:Registering
com.duolabs.FirebaseCloudMessaging at /private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-
E617F9E5D503/FirebaseCloudMessaging.app
Aug 17 17:25:29 jna-Me lsd(MobileInstallation)[94] <Notice>: com.duolabs.FirebaseCloudMessaging:5:5:1:1:Building bundle record for app
Aug 17 17:25:29 jna-Me lsd(MobileInstallation)[94] <Notice>: com.duolabs.FirebaseCloudMessaging:5:5:2:1:Built bundle record for app
Aug 17 17:25:29 jna-Me lsd(MobileInstallation)[94] <Notice>: com.duolabs.FirebaseCloudMessaging:5:4:2:1:Registered bundle status = 0
Aug 17 17:25:29 jna-Me lsd(MobileInstallation)[94] <Notice>: com.duolabs.FirebaseCloudMessaging:5:4:2:1:Registering
com.duolabs.FirebaseCloudMessaging
Aug 17 17:25:29 jna-Me mobile_installation_proxy(MobileInstallation)[2453] <Notice>:
com.duolabs.FirebaseCloudMessaging:5:1:2:1:_LSInstallationManager install:withError finished
Aug 17 17:25:29 jna-Me SpringBoard(MobileInstallation)[61] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall
<LSApplicationProxy: 0x10c095690> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-
E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me SpringBoard(FrontBoard)[61] <Notice>: -[FBApplicationLibrary applicationsDidInstall:] com.duolabs.FirebaseCloudMessaging
Aug 17 17:25:29 jna-Me SpringBoard(MobileInstallation)[61] <Notice>: com.duolabs.FirebaseCloudMessaging:11:1:1:1:Attempting to create
FBApplicationInfo for reason: ApplicationsDidInstall - Replace App
Aug 17 17:25:29 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Application installed using default data
provider
Aug 17 17:25:29 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: Setting topics for environment development:
enabled: (
)
ignored: (
)
opportunistic:(
"com.duolabs.FirebaseCloudMessaging"
)
Aug 17 17:25:29 jna-Me bulletindistributord(MobileInstallation)[64] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall
<LSApplicationProxy: 0x1539197a0> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-
E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me passwd(MobileInstallation)[165] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy:
0x149923350> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-
E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me watchlistd(MobileInstallation)[1503] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall
<LSApplicationProxy: 0x1609046a0> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-
E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me nsurlsessiond(MobileInstallation)[107] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall
<LSApplicationProxy: 0x10dd66620> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-
E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me bluetoothd(MobileInstallation)[89] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall
<LSApplicationProxy: 0x10537d5b0> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-
E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me coreduetd(MobileInstallation)[2147] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall
<LSApplicationProxy: 0x10fd147f0> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-
E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
```

```
Aug 17 17:25:29 jna-Me atc(MobileInstallation)[43] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy: 0x109408610> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me profiled(MobileInstallation)[1600] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy: 0x1030551e0> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me aggregated(MobileInstallation)[1368] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy: 0x13b515860> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me dasd(MobileInstallation)[1170] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy: 0x14a20d9a0> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me homed(MobileInstallation)[159] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy: 0x108b1ac60> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me appstored[1567] <Notice>: [ODRLaunchServicesObserver]: Handling application installation: {bundleID = com.duolabs.FirebaseCloudMessaging; version = 1.0.0; shortVersion = 1.0.0; variantID = (null)}
Aug 17 17:25:29 jna-Me nanotimekitcompaniond(MobileInstallation)[2367] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy: 0x103e035b0> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me SpringBoard(MobileInstallation)[61] <Notice>: com.duolabs.FirebaseCloudMessaging:11:1:2:1:Created FBApplicationInfo; reason = ApplicationsDidInstall - Replace App
Aug 17 17:25:29 jna-Me SpringBoard(MobileInstallation)[61] <Notice>: com.duolabs.FirebaseCloudMessaging:11:1:3:1:Notifying observers of application replaced.
Aug 17 17:25:29 jna-Me SpringBoard(SplashBoard)[61] <Error>: Unable to generate launch image for com.duolabs.FirebaseCloudMessaging because the app has no valid launch interfaces.
Aug 17 17:25:29 jna-Me UserEventAgent(MobileInstallation)[25] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy: 0x1047276f0> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me SpringBoard(MobileInstallation)[61] <Notice>: com.duolabs.FirebaseCloudMessaging:10:11:3:1:Application replaced
Aug 17 17:25:29 jna-Me routined(MobileInstallation)[2448] <Notice>: com.duolabs.FirebaseCloudMessaging:5:8:3:1:applicationsDidInstall <LSApplicationProxy: 0x146e00660> com.duolabs.FirebaseCloudMessaging file:///private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app <com.duolabs.FirebaseCloudMessaging <installed >:0>
Aug 17 17:25:29 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Got section info [ shouldUseDefaultDataProvider: 1 enabled: 1 ]
Aug 17 17:25:29 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Notify observers that user notifications were enabled
Aug 17 17:25:29 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Enable user notifications for local notifications
Aug 17 17:25:29 jna-Me SpringBoard[61] <Notice>: Installed apps did change.
Added: {(
})
Removed: {(
})
Modified: {(
    "com.duolabs.FirebaseCloudMessaging"
)}
Aug 17 17:25:35 jna-Me debugserver[2465] <Notice>: About to launch process for bundle ID: com.duolabs.FirebaseCloudMessaging - options:
{
    "__DebugOptions" = {
        "__DisableASLR" = 1;
        "__Environment" = {
            "EMB_DBK_PRESENT" = 1;
        };
        "__StandardErrorPath" = "/dev/ttys000";
        "__StandardOutPath" = "/dev/ttys000";
        "__WaitForDebugger" = 1;
    };
    "__LSCacheGUID" = "7F031C87-0C6C-4CAD-AF78-AD687A8F4988";
    "__LSSequenceNumber" = 4292;
    "__UnlockDevice" = 1;
}
Aug 17 17:25:35 jna-Me debugserver(FrontBoardServices)[2465] <Error>: [FBSystemService][0xa29c] Sending request to open "com.duolabs.FirebaseCloudMessaging"
Aug 17 17:25:35 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [FBSystemService][0xa29c] Received request to open "com.duolabs.FirebaseCloudMessaging" from debugserver:2465.
Aug 17 17:25:35 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [FBSystemService][0xa29c] Activation request for com.duolabs.FirebaseCloudMessaging contained LSCacheGUID 7F031C87-0C6C-4CAD-AF78-AD687A8F4988 and LSSequenceNumber 4292.
Aug 17 17:25:35 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [FBSystemService][0xa29c] Activation request for com.duolabs.FirebaseCloudMessaging will wait 0.00s for app availability, with retry every 0.50s.
Aug 17 17:25:35 jna-Me SpringBoard[61] <Notice>: Received trusted open application request for "com.duolabs.FirebaseCloudMessaging" from <FBProcess: 0x1c8107e90; debugserver (com.apple.debugserver); pid: 2465>.
Aug 17 17:25:35 jna-Me SpringBoard[61] <Notice>: Running <SBAppToAppWorkspaceTransaction: 0x10c4b2c80> for transition request: <SBMainWorkspaceTransitionRequest: 0x1d4afa980; eventLabel: OpenApplication(com.duolabs.FirebaseCloudMessaging)ForRequester(debugserver.2465); display: Main; source: FBSystemService> {
    applicationContext = <SBWorkspaceApplicationSceneTransitionContext: 0x1d4340bb0; background: NO> entities = {
        SBLayOutRolePrimary = <SBDeviceApplicationSceneEntity: 0x1d489e5a0; ID: com.duolabs.FirebaseCloudMessaging; layoutRole: primary>;
    };
}
Aug 17 17:25:35 jna-Me SpringBoard(FrontBoard)[61] <Notice>: Bootstrapping com.duolabs.FirebaseCloudMessaging with intent foreground-interactive
Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: Submitting new job for "com.duolabs.FirebaseCloudMessaging" on behalf of <BKProcess: 0x101604500; SpringBoard; com.apple.springboard; pid: 61; agency: SystemShell; visibility: foreground; task: running>
Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: Submitted job with label: UIKitApplication:com.duolabs.FirebaseCloudMessaging[0xc550][76]
Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Adding client: <BKProcessInfoServerClient: 0x101311980; pid: 61>
Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10000]
```

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: Now tracking process <BKProcess: 0x101339e00; FirebaseCloudMe; com.duolabs.FirebaseCloudMessaging; pid: 2466; agency: Application; visibility: none; task: running; hostpid: 61> with host <BKProcess: 0x101604500; SpringBoard; com.apple.springboard; pid: 61; agency: SystemShell; visibility: foreground; task: running>

Aug 17 17:25:35 jna-Me SpringBoard(AssertionServices)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Bootstrap complete with label: UIKitApplication:com.duolabs.FirebaseCloudMessaging[0xc550][76]

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [SpringBoard:61] Attempting to acquire assertion for FirebaseCloudMe:2466: <BKProcessAssertion: 0x101414aa0; "UIApplicationLaunch" (activation:inf); id:\M-b\M^\M-&DB1D17443C6A>

Aug 17 17:25:35 jna-Me SpringBoard(WiFiPicker)[61] <Notice>: WIFI PICKER [com.duolabs.FirebaseCloudMessaging]: isProcessLaunch: 1, isForegroundActivation: 1, isForegroundDeactivation: 0

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Add assertion: <BKProcessAssertion: 0x101414aa0; id: 61-47407E6A-57CF-4BCE-A32A-DB1D17443C6A; name: UIApplicationLaunch; state: active; reason: activation; duration: inf> {
owner = <BSProcessHandle: 0x10130b430; SpringBoard:61; valid: YES>;
flags = preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, wantsForegroundResourcePriority, preventSuspendOnSleep;
}

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Activate assertion: <BKProcessAssertion: 0x101414aa0; "UIApplicationLaunch" (activation:inf); id:\M-b\M^\M-&DB1D17443C6A>

Aug 17 17:25:35 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [FBProcessManager] Adding: <FBApplicationProcess: 0x10152b5e0; FirebaseCloudMe (com.duolabs.FirebaseCloudMessaging); pid: 2466>

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] New process assertion state; preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, wantsForegroundResourcePriority, preventSuspendOnSleep (assertion 0x101414aa0 added: preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, wantsForegroundResourcePriority, preventSuspendOnSleep; removed: (none))

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10100]

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:1 (CPUMON check): {
<BKProcessAssertion: 0x101414aa0; "UIApplicationLaunch" (activation:inf); id:\M-b\M^\M-&DB1D17443C6A> [active]
}

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] setpriority success for resource GPU to PRIO_DARWIN_GPU_ALLOW

Aug 17 17:25:35 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] setpriority success for resource CPU to default (0)

Aug 17 17:25:35 jna-Me symptomsd(SymptomEvaluator)[141] <Notice>: 2466 com.duolabs.FirebaseCloudMessaging: ForegroundRunning (most elevated: ForegroundRunning)

Aug 17 17:25:35 jna-Me debugserver(FrontBoardServices)[2465] <Error>: [FBSystemService][0xa29c] Request successful: <BSProcessHandle: 0x1c806d780; FirebaseCloudMe:2466; valid: YES>

Aug 17 17:25:35 jna-Me mediaserverd(CoreMedia)[29] <Notice>: <CMSessionMgr- CMSessionMgrHandleApplicationStateChange: CMSession: Client com.duolabs.FirebaseCloudMessaging with pid '2466' is now Foreground Running. Background entitlement: NO

Aug 17 17:25:35 jna-Me debugserver[2465] <Notice>: Got a connection, launched process /private/var/containers/Bundle/Application/9C6F4AAD-2DCB-48F5-A422-E617F9E5D503/FirebaseCloudMessaging.app (pid = 2466).

Aug 17 17:25:35 jna-Me symptomsd(SymptomEvaluator)[141] <Notice>: Entry, display name com.duolabs.FirebaseCloudMessaging uuid 708882E4-61B0-32C3-B108-572D03BDD960 pid 2466 isFront 1

Aug 17 17:25:35 jna-Me symptomsd(SymptomEvaluator)[141] <Notice>: Continue with bundle name com.duolabs.FirebaseCloudMessaging, is front 1

Aug 17 17:25:35 jna-Me symptomsd(SymptomEvaluator)[141] <Notice>: com.duolabs.FirebaseCloudMessaging: Foreground: true

Aug 17 17:25:35 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Setting deactivation reasons to: 'systemAnimation' for reason: scene settings update - settings are eligible for deactivation reasons.

Aug 17 17:25:35 jna-Me SpringBoard[61] <Notice>: Application process state changed for com.duolabs.FirebaseCloudMessaging: <SBApplicationProcessState: 0x1d1232100; pid: 2466; taskState: Running; visibility: Unknown>

Aug 17 17:25:35 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Setting deactivation reasons to: '(none)' for reason: updateAllScenesForBand - Assertion removed.

Aug 17 17:25:39 jna-Me FirebaseCloudMessaging[2466] <Notice>: _tlskey = 0xffffffffffff, _tls_size = 1896

Aug 17 17:25:39 jna-Me FirebaseCloudMessaging[2466] <Notice>: ### _embtinit_start: 0x1035416b0 _embtinit_end: 0x103545800

Aug 17 17:25:39 jna-Me FirebaseCloudMessaging(MobileAsset)[2466] <Notice>: _MobileAssetSendCopyMatchingAssetsCommand: [MobileAssetError:29] Unable to copy asset information from https://mesu.apple.com/assets/ for asset type com.apple.MobileAsset.TextInput.SpellChecker

Aug 17 17:25:39 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Requesting authorization with options 7

Aug 17 17:25:39 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Requesting authorization with options 7

Aug 17 17:25:39 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Getting requested authorization

Aug 17 17:25:39 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Getting section info

Aug 17 17:25:39 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Got section info [hasResult: 1]

Aug 17 17:25:39 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Got requested authorization [hasResult: 1]

Aug 17 17:25:39 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Updating authorization options: 7

Aug 17 17:25:39 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Enable notifications: 0 [authorizationOptions: 7]

Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] workspaceConnectedWithTaskPortRight: received task port

Aug 17 17:25:39 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [FBSystemServiceServer] Client FirebaseCloudMessaging:2466 connected to service com.apple.frontboardservices.system-app-proxy

Aug 17 17:25:39 jna-Me FirebaseCloudMessaging(libAccessibility.dylib)[2466] <Notice>: Retrieving resting unlock: 0

Aug 17 17:25:39 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Requested authorization [didGrant: 1 hasError: 0 hasCompletionHandler: 1]

Aug 17 17:25:39 jna-Me FirebaseCloudMessaging[2466] <Notice>: _tlskey = 0x10d, _tls_size = 1896

Aug 17 17:25:39 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Sending scene action [Logical Activate] through WorkspaceServer: 0x1d4e8e290

Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [SpringBoard:61] Attempting to acquire assertion for FirebaseCloudMe:2466: <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299>

Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Add assertion: <BKProcessAssertion: 0x101316900; id: 61-1DED0C44-F876-481D-A3DD-39DDD8D55299; name: Resume; state: active; reason: activation; duration: inf> {
owner = <BSProcessHandle: 0x10130b430; SpringBoard:61; valid: YES>;
flags = preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, preventSuspendOnSleep;
}

Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Activate assertion: <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299>

Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:2 (CPUMON check): {
<BKProcessAssertion: 0x101414aa0; "UIApplicationLaunch" (activation:inf); id:\M-b\M^\M-&DB1D17443C6A> [active]
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}

Aug 17 17:25:39 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Sending scene action [SceneLifecycleEventOnly] through WorkspaceServer: 0x1d4e8e290

Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [SpringBoard:61] Attempting to acquire assertion for FirebaseCloudMe:2466: <BKProcessAssertion: 0x10131f330; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&BFA39C347544>

Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Add assertion: <BKProcessAssertion: 0x10131f330; id: 61-3294354E-18F2-4B24-8780-BFA39C347544; name: "Deliver Message"; state: active; reason: suspend; duration: 10.0s> {
owner = <BSProcessHandle: 0x10130b430; SpringBoard:61; valid: YES>;
flags = preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, preventSuspendOnSleep;
}
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Activate assertion: <BKProcessAssertion: 0x10131f330; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&BFA39C347544>
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10300]
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
<BKProcessAssertion: 0x101414aa0; "UIApplicationLaunch" (activation:inf); id:\M-b\M^\M-&DB1D17443C6A> [active]
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
<BKProcessAssertion: 0x10131f330; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&BFA39C347544> [active]
}
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Deactivate assertion: <BKProcessAssertion: 0x101414aa0; "UIApplicationLaunch" (activation:inf); id:\M-b\M^\M-&DB1D17443C6A>
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (deactivateAssertion): {
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
<BKProcessAssertion: 0x10131f330; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&BFA39C347544> [active]
}
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Scheduling allow-idle-sleep timer with interval: 180.0
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] New process assertion state; preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, preventSuspendOnSleep (assertion 0x101414aa0 added: (none); removed: wantsForegroundResourcePriority)
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
<BKProcessAssertion: 0x10131f330; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&BFA39C347544> [active]
}
Aug 17 17:25:39 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Remove assertion: <BKProcessAssertion: 0x101414aa0; "UIApplicationLaunch" (activation:inf); id:\M-b\M^\M-&DB1D17443C6A>
Aug 17 17:25:39 jna-Me SpringBoard[61] <Notice>: Application process state changed for com.duolabs.FirebaseCloudMessaging:
<SBApplicationProcessState: 0x1cc62a480; pid: 2466; taskState: Running; visibility: Foreground>
Aug 17 17:25:39 jna-Me SpringBoard[61] <Notice>: Application process state changed for com.duolabs.FirebaseCloudMessaging:
<SBApplicationProcessState: 0x1cc220320; pid: 2466; taskState: Running; visibility: Foreground>
Aug 17 17:25:40 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Deactivate assertion: <BKProcessAssertion: 0x10131f330; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&BFA39C347544>
Aug 17 17:25:40 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (deactivateAssertion): {
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}
Aug 17 17:25:40 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10100]
Aug 17 17:25:40 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}
Aug 17 17:25:40 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Remove assertion: <BKProcessAssertion: 0x10131f330; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&BFA39C347544>
Aug 17 17:25:40 jna-Me SpringBoard[61] <Notice>: Front display did change: <SBApplication: 0x1d45dae50; com.duolabs.FirebaseCloudMessaging>

*** TOKEN REQUEST ***

Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [SpringBoard:61] Attempting to acquire assertion for FirebaseCloudMe:2466: <BKProcessAssertion: 0x1014157d0; "com.apple.UIKit.KeyboardManagement.message" (finishTask:180s); id:\M-b\M^\M-&FFC82E5CEC19>
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Add assertion: <BKProcessAssertion: 0x1014157d0; id: 61-C841E73C-5AF1-4A20-A8FC-FFC82E5CEC19; name: com.apple.UIKit.KeyboardManagement.message; state: active; reason: finishTask; duration: 180.0s> {
owner = <BSProcessHandle: 0x10130b430; SpringBoard:61; valid: YES>;
flags = preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, preventSuspendOnSleep;
}
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Activate assertion: <BKProcessAssertion: 0x1014157d0; "com.apple.UIKit.KeyboardManagement.message" (finishTask:180s); id:\M-b\M^\M-&FFC82E5CEC19>
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10108]
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
<BKProcessAssertion: 0x1014157d0; "com.apple.UIKit.KeyboardManagement.message" (finishTask:180s); id:\M-b\M^\M-&FFC82E5CEC19> [active]
}
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Deactivate assertion: <BKProcessAssertion: 0x1014157d0; "com.apple.UIKit.KeyboardManagement.message" (finishTask:180s); id:\M-b\M^\M-&FFC82E5CEC19>
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (deactivateAssertion): {
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10100]
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
<BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}
Aug 17 17:26:36 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Remove assertion: <BKProcessAssertion: 0x1014157d0; "com.apple.UIKit.KeyboardManagement.message" (finishTask:180s); id:\M-b\M^\M-&FFC82E5CEC19>
Aug 17 17:26:36 jna-Me FirebaseCloudMessaging[2466] <Notice>: _tlskey = 0x10d, _tls_size = 1896
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Setting 0 notification categories
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Requesting authorization with options 7
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Requesting token for remote notifications
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Requesting authorization with options 7
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Getting requested authorization
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Getting section info

Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Got section info [hasResult: 1]
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Request per-app token with token identifier 09727CAC-C2A4-4285-B31D-1DAE595EDB45
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Got requested authorization [hasResult: 1]
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Requested token for remote notifications [didSucceed: 1 hasError: 0 hasCompletionHandler: 1]
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Updating authorization options: 7
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Enable notifications: 0 [authorizationOptions: 7]
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Requested authorization [didGrant: 1 hasError: 0 hasCompletionHandler: 1]
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Getting notification settings
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Getting notification settings
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Got notification settings [hasResult: 1]
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Got notification settings [hasResult: 1 hasCompletionHandler: 1]
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Getting notification categories
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Got 0 notification categories [hasCompletionHandler: 1]
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: Received same per-app token [32] for topic com.duolabs.FirebaseCloudMessaging
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: Send per-app token [32] to client for topic com.duolabs.FirebaseCloudMessaging
Aug 17 17:26:41 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Sending received device token to 1 connections
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Did receive remote notification token
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Sending received device token to delegate UIApplication
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: Faulting in NSHTTPCookieStorage singleton
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: Faulting in CFHTTPCookieStorage singleton
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: Creating default cookie storage with default identifier
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC Enabling TLS [1:0x1d4163a80]
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TCP Conn Start [1:0x1d4163a80]
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: Task <4E9D26FE-238D-44B2-9A6C-5E1C5167D2BA>.<0> setting up Connection 1
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(libnetwork.dylib)[2466] <Notice>: [1 <private> <private>] start
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TLS Event [1:0x1d4163a80]: 1, Pending(0)
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TLS Event [1:0x1d4163a80]: 2, Pending(0)
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TLS Event [1:0x1d4163a80]: 11, Pending(0)
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TLS Event [1:0x1d4163a80]: 12, Pending(0)
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TLS Event [1:0x1d4163a80]: 14, Pending(0)
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TLS Trust Result [1:0x1d4163a80]: 0
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TLS Event [1:0x1d4163a80]: 20, Pending(0)
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TCP Conn Connected [1:0x1d4163a80]: Err(16)
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TCP Conn Event [1:0x1d4163a80]: 1
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TCP Conn Event [1:0x1d4163a80]: 8
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TLS Handshake Complete [1:0x1d4163a80]
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: Task <4E9D26FE-238D-44B2-9A6C-5E1C5167D2BA>.<0> now using Connection 1
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: Task <4E9D26FE-238D-44B2-9A6C-5E1C5167D2BA>.<0> sent request, body D
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: Task <4E9D26FE-238D-44B2-9A6C-5E1C5167D2BA>.<0> received response, status 200 content C
Aug 17 17:26:41 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: Task <4E9D26FE-238D-44B2-9A6C-5E1C5167D2BA>.<0> response ended
Aug 17 17:27:12 jna-Me FirebaseCloudMessaging(CFNetwork)[2466] <Notice>: TIC TCP Conn Cancel [1:0x1d4163a80]
Aug 17 17:27:12 jna-Me FirebaseCloudMessaging(libnetwork.dylib)[2466] <Notice>: [1 <private> stream, pid: 2466, url: https://iid.googleapis.com/iid/v1:batchImport, tls] cancelled
[1.1 4E2BAD10-2EA9-4674-B7E2-EF8B50D1B95C <private> 57098<-><private>]
Connected Path: satisfied (Path is satisfied), interface: en0, ipv4, dns
Duration: 30.813s, DNS @0.000s took 0.041s, TCP @0.043s took 0.019s, TLS took 0.084s
bytes in/out: 3666/972, packets in/out: 6/4, rtt: 0.018s, retransmitted packets: 0, out-of-order packets: 0

*** MESSAGE RECEIVED with APP OPENED ***

Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: Received incoming message on topic com.duolabs.FirebaseCloudMessaging at priority 10
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Received remote notification request E757-DE2C [hasAlertContent: 1, hasSound: 1 hasBadge: 1 hasContentAvailable: 0 hasMutableContent: 0]
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Deliver push notification request E757-DE2C
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Send willPresentNotification for notification E757-DE2C
Aug 17 17:30:09 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [FBSSystemService][0xe013] Received request to open "com.duolabs.FirebaseCloudMessaging" from SpringBoard:61.
Aug 17 17:30:09 jna-Me SpringBoard[61] <Notice>: Received trusted open application request for "com.duolabs.FirebaseCloudMessaging" from <FBApplicationProcess: 0x101746550; SpringBoard (com.apple.springboard); pid: 61>.
Aug 17 17:30:09 jna-Me SpringBoard[61] <Notice>: Executing suspended-activation immediately:
OpenApplication(com.duolabs.FirebaseCloudMessaging)ForRequester(SpringBoard.61)
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] willPresentNotification delivery succeeded for notification E757-DE2C

Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [SpringBoard:61] Attempting to acquire assertion for FirebaseCloudMe:2466: <BKProcessAssertion: 0x10131f330; "will present notification" (notificationAction:30s); id:\M-b\M^\M-&65742597EA8E>
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Add assertion: <BKProcessAssertion: 0x10131f330; id: 61-E793EA61-3D56-4826-8250-65742597EA8E; name: "will present notification"; state: active; reason: notificationAction; duration: 30.0s> {
 owner = <BSProcessHandle: 0x10130b430; SpringBoard:61; valid: YES>;
 flags = preventSuspend, preventThrottleDownUI, preventIdleSleep, preventSuspendOnSleep;
}
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Activate assertion: <BKProcessAssertion: 0x10131f330; "will present notification" (notificationAction:30s); id:\M-b\M^\M-&65742597EA8E>
Aug 17 17:30:09 jna-Me SpringBoard(FrontBoard)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Sending scene action [SceneLifecycleEventOnly] through WorkspaceServer: 0x1d4e8e290
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] New process assertion state; preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, preventIdleSleep, preventSuspendOnSleep (assertion 0x10131f330 added: preventIdleSleep; removed: (none))
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x90100]
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
 <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
 <BKProcessAssertion: 0x10131f330; "will present notification" (notificationAction:30s); id:\M-b\M^\M-&65742597EA8E> [active]
}
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: Creating PowerAssertion on FirebaseCloudMe:2466
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: Created PowerAssertion on FirebaseCloudMe:2466, sleep reverted
Aug 17 17:30:09 jna-Me powerd[42] <Notice>: Process assertiond.76 Created SystemIsActive "FirebaseCloudMe:2466:61-E793EA61-3D56-4826-8250-65742597EA8E [will present notification] [0x10131f330]" age:00:00:00 id:51539643730 [System: PrevIdle SysAct]
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Created process assertion for will present notification
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [SpringBoard:61] Attempting to acquire assertion for FirebaseCloudMe:2466: <BKProcessAssertion: 0x1015119c0; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&06CE7948B788>
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Add assertion: <BKProcessAssertion: 0x1015119c0; id: 61-7EAD1901-172E-4AF5-8BAC-06CE7948B788; name: "Deliver Message"; state: active; reason: suspend; duration: 10.0s> {
 owner = <BSProcessHandle: 0x10130b430; SpringBoard:61; valid: YES>;
 flags = preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, preventSuspendOnSleep;
}
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Activate assertion: <BKProcessAssertion: 0x1015119c0; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&06CE7948B788>
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x90300]
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
 <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
 <BKProcessAssertion: 0x10131f330; "will present notification" (notificationAction:30s); id:\M-b\M^\M-&65742597EA8E> [active]
 <BKProcessAssertion: 0x1015119c0; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&06CE7948B788> [active]
}
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: Updating PowerAssertion on FirebaseCloudMe:2466
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Received response 0 for willPresentNotification for notification E757-DE2C
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Removing process assertion for will present notification
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Badge can be set for notification E757-DE2C: 0 [canBadge: 0 badgeNumber: 1]
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Saving notification E757-DE2C: 0 [hasAlertContent: 1, shouldPresentAlert: 0 isTransient: 0]
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Saved push notification E757-DE2C to store
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Load 0 pending notification dictionaries
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Adding notification E757-DE2C to destinations 0 [hasAlertContent: 1, shouldPresentAlert: 0 hasSound: 1 shouldPlaySound: 0]
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Deactivate assertion: <BKProcessAssertion: 0x10131f330; "will present notification" (notificationAction:30s); id:\M-b\M^\M-&65742597EA8E>
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (deactivateAssertion): {
 <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
 <BKProcessAssertion: 0x1015119c0; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&06CE7948B788> [active]
}
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] New process assertion state; preventSuspend, preventThrottleDownUI, preventThrottleDownCPU, preventSuspendOnSleep (assertion 0x10131f330 added: (none); removed: preventIdleSleep)
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10300]
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
 <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
 <BKProcessAssertion: 0x1015119c0; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&06CE7948B788> [active]
}
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: Releasing PowerAssertion on FirebaseCloudMe:2466 from update
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Remove assertion: <BKProcessAssertion: 0x10131f330; "will present notification" (notificationAction:30s); id:\M-b\M^\M-&65742597EA8E>
Aug 17 17:30:09 jna-Me powerd[42] <Notice>: Process assertiond.76 Released SystemIsActive "FirebaseCloudMe:2466:61-E793EA61-3D56-4826-8250-65742597EA8E [will present notification] [0x10131f330]" age:00:00:00 id:51539643730 [System: PrevIdle SysAct]
Aug 17 17:30:09 jna-Me SpringBoard(UserNotificationsServer)[61] <Notice>: [com.duolabs.FirebaseCloudMessaging] Sending 1 delivered notifications to 1 connections
Aug 17 17:30:09 jna-Me FirebaseCloudMessaging(UserNotifications)[2466] <Notice>: [com.duolabs.FirebaseCloudMessaging] Did deliver 1 notifications
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Deactivate assertion: <BKProcessAssertion: 0x1015119c0; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&06CE7948B788>
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (deactivateAssertion): {
 <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10100]
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
 <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}
Aug 17 17:30:09 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Remove assertion: <BKProcessAssertion: 0x1015119c0; "Deliver Message" (suspend:10s); id:\M-b\M^\M-&06CE7948B788>


```

Aug 17 17:30:13 jna-Me mediaserverd(AudioToolbox)[29] <Notice>: 4139: { "action":"create_session",
"session":{"ID":"0x24965","PID":2466,"name":"FirebaseCloudMes"}, "details":{"client_PID":2466,"client_mach_port":229019,"session_type":"Primary"} }
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: activate generator <UISelectionFeedbackGenerator: 0x1cc138ec0: prepared=1>
with style: TurnOn; activationCount: 0 -> 1; styleActivationCount: 0 -> 1
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: activate feedback engine 0x1c40d9ec0, clientCount: 0 -> 1
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: activating engine
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: feedback engine <_UIFeedbackHapticOnlyEngine: 0x1c40d9ec0: state=0,
numberOfClients=1, prewarmCount=0, _isSuspended=0> state changed: Inactive -> Activating
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: starting haptics player
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: creating haptics player
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(AudioToolbox)[2466] <Notice>: 362: clientID: 0x10009a2 behavior: 1
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(AudioToolbox)[2466] <Notice>: 386: clientID: 0x10009a2 numberOfChannels: 20
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: performing AVHapticPlayer async call
allocateRenderResourcesWithCompletionHandler:
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(AudioToolbox)[2466] <Notice>: 440: allocating resources: clientID: 0x10009a2
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: performed AVHapticPlayer async call
allocateRenderResourcesWithCompletionHandler:
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: deactivate generator <UISelectionFeedbackGenerator: 0x1cc138ec0: prepared=0>
with style: TurnOn; activationCount: 1 -> 0; styleActivationCount: 1 -> 0
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: deactivate feedback engine 0x1c40d9ec0, clientCount: 1 -> 0
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: _deactivateEngineIfPossible <_UIFeedbackHapticOnlyEngine: 0x1c40d9ec0:
state=3, numberOfClients=0, prewarmCount=0, _isSuspended=0>, clientCount: 0, suspended: 0
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: performing AVHapticPlayer async call startRunningWithCompletionHandler:
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(AudioToolbox)[2466] <Notice>: 542: start running: clientID: 0x10009a2
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: performed AVHapticPlayer async call startRunningWithCompletionHandler:
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: engine turned ON
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: haptics player started
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: feedback engine <_UIFeedbackHapticOnlyEngine: 0x1c40d9ec0: state=3,
numberOfClients=0, prewarmCount=0, _isSuspended=0> state changed: Activating -> Running
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: _deactivateEngineIfPossible <_UIFeedbackHapticOnlyEngine: 0x1c40d9ec0:
state=4, numberOfClients=0, prewarmCount=0, _isSuspended=0>, clientCount: 0, suspended: 0
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: _teardownUnderlyingPlayerIfPossible <_UIFeedbackHapticOnlyEngine:
0x1c40d9ec0: state=4, numberOfClients=0, prewarmCount=0, _isSuspended=0>, _freeChannelIndexes.count: 20
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: stopping haptics player
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: engine turned OFF
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(AudioToolbox)[2466] <Notice>: 566: stop running: clientID: 0x10009a2
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: _deactivateEngineIfPossible <_UIFeedbackHapticOnlyEngine: 0x1c40d9ec0:
state=4, numberOfClients=0, prewarmCount=0, _isSuspended=0> tearedDown: 1
Aug 17 17:30:13 jna-Me FirebaseCloudMessaging(UIKit)[2466] <Notice>: feedback engine <_UIFeedbackHapticOnlyEngine: 0x1c40d9ec0: state=4,
numberOfClients=0, prewarmCount=0, _isSuspended=0> state changed: Running -> Inactive
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Attempting to acquire assertion for FirebaseCloudMe:2466: <BKProcessAssertion:
0x10131f330; "systemAnimationFence" (finishTask:180s); id:\M-b\M^\M-&3F0DAC574B06>
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Add assertion: <BKProcessAssertion: 0x10131f330; id: 2466-C6FD9267-B732-
48FF-87AB-3F0DAC574B06; name: systemAnimationFence; state: active; reason: finishTask; duration: 180.0s> {
    owner = <BSPProcessHandle: 0x1014049f0; FirebaseCloudMe:2466; valid: YES>;
    flags = preventSuspend, preventThrottleDownCPU, preventSuspendOnSleep;
}
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Activate assertion: <BKProcessAssertion: 0x10131f330; "systemAnimationFence"
(finishTask:180s); id:\M-b\M^\M-&3F0DAC574B06>
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10108]
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
    <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
    <BKProcessAssertion: 0x10131f330; "systemAnimationFence" (finishTask:180s); id:\M-b\M^\M-&3F0DAC574B06> [active]
}
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Deactivate assertion: <BKProcessAssertion: 0x10131f330;
"systemAnimationFence" (finishTask:180s); id:\M-b\M^\M-&3F0DAC574B06>
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (deactivateAssertion): {
    <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Setting jetsam priority to 10 [0x10100]
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] dump all assertions HWM:3 (CPUMON check): {
    <BKProcessAssertion: 0x101316900; "Resume" (activation:inf); id:\M-b\M^\M-&39DDD8D55299> [active]
}
Aug 17 17:30:14 jna-Me assertiond[76] <Notice>: [FirebaseCloudMe:2466] Remove assertion: <BKProcessAssertion: 0x10131f330; "systemAnimationFence"
(finishTask:180s); id:\M-b\M^\M-&3F0DAC574B06>

```