# Developer Guide for UID2 IMA Plugin (iOS and Android)

*SDK version: v0.1.0*

## Introduction

The UID2 IMA Plugin is pre-release software and should be used as such.

The UID2 IMA Plugin enables apps that use Google’s IMA SDK to include UID2 data in their ad requests. This is done automatically, with no direct coding needed from the app developer, by:

* The IMA SDK
* The UID2 SDK
* The UID2 IMA Plugin

## iOS

Refer to the following sections for iOS:

* Requirements
* Installation
* Troubleshooting

### Requirements

Install the following:

* UID2 iOS SDK v0.1.0
* Google IMA SDK v3.18.5
* UID2 iOS IMA Plugin v0.1.0

### Installation

Install the UID2 iOS IMA Plugin v0.1.0 via Swift Package Manager to an existing app with UID2 SDK and Google IMA SDK installed.

.package(url: https://github.com/IABTechLab/uid2-ios-plugin-google-ima.git, exact: "0.1.0")

### Troubleshooting

Google’s IMA SDK does not currently support Swift Package Manager (SPM). This might result in some dependency issues. When Google is ready with SPM support, the UID2 IMA Plugin will be updated to use SPM.

To resolve any issue that might arise, it’s recommended that you copy the two source code files from the UID2 IMA Plugin directly into your app. Be sure to use the same class and file names, to ensure that Google IMA can find the files at runtime. The two files are:

* UID2IMASecureSignalsAdapter.swift
* UID2GoogleAdapterErrors.swift

## Android

Refer to the following sections for Android:

* Requirements
* Installation
* Troubleshooting

### Requirements

Install the following:

* UID2 Android SDK v0.1.0
* Google IMA SDK v3.29.0+
* UID2 Android IMA Plugin v0.1.0

### Installation

Install the UID2 Android IMA Plugin v0.1.0 via Gradle / Maven to an existing app with the UID2 Android SDK and Google IMA SDK installed.

#### Gradle

To install with Gradle, add the SDK as a dependency in the build.gradle file:

implementation 'com.uid2:uid2-android-sdk-ima:0.1.0'

#### Maven

To install with Maven, add the SDK as a dependency in the pom.xml file:

<dependency>

<groupId>com.uid2</groupId>

<artifactId>uid2-android-sdk-ima</artifactId>

<version>0.1.0</version>

</dependency>

### Troubleshooting

There has been an occasional issue with Google IMA SDK v3.30.0 not running when used in non-Android TV apps. This is due to the inclusion of com.google.android.tv:tv-ads:1.0.0-alpha as a dependency. To resolve the problem, revert back to Google IMA SDK v3.29.0.

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