

Umeng Analytics SDK Documentation

iOS Native Extension for Adobe Air

Welcome to use Umeng Analytics Service!

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1. Introduction

The Umeng Analytics Service help you to track the usage and behavior of your App's user on their phone, and show the analytics information on your Umeng web portal. We support iOS, Android, Windows Phone 7, and we wrapper SDK for Unity3D and Adobe Air. It's designed to be as easy as possible with the basic setup complete under 5 mins.

Please note that this SDK will just support the new feature ANE of Adobe. So you can get information about ANE from Adobe's site [How to use ANE](#), and this document just talk about how to use Umeng Analytics SDK ANE.

This archive should contains follow files:

- **README.pdf**: the file contains how to use Umeng Analytics SDK ANE and best practices.
- **UmengAnalytics.ane**: the file compiled by our code
- **ADTCompileScript.sh**: the file is a bunch of scripts, using `adt` to compile Application.
- **Docs/**: the folder contains Umeng Analytics SDK ANE Api Documentation

2. Integration instructions

1. In the Finder, drag `UmengAnalyticsANE/` folder into your project folder. (**NOTE**: If you are upgrading the Umeng Analytics SDK ANE, be sure to remove any existing Umeng Library Folders from your project's file folder before proceeding.)
2. Add it to your project: In Flash Builder 4.6, you can add ANE in project `properties` (right click project, select `ActionScript Build Path`, Tab `Native Extensions`, Click `Add ANE`, Select `UmengAnalytics.ane`. And go to `ActionScript Build Packaging`, Select `Apple iOS`, tab `Native Extensions`, be sure there is a `green ✓` in the left of `UmengAnalytics.ane` and `third row named package` is marked.
3. Import package and integrate the code.

```
import com.umeng.extension.UmengNativeExtension;
...

//constructor method

UmengNativeExtension.manager.startWithAppKeyAndReportPolicyAndChannelId("YourAppKey",
                                                                    0,
                                                                    "YourChannleId");

//Your code
...
```

API Documentation:

public function startWithAppKeyAndReportPolicyAndChannelId(appkey:String, reportpolicy:int, channelId:String):void

Start Analytics Session

Parameters:

appkey:String — The appkey will generated after adding the app on Umeng web portal

reportpolicy:int — There are 4 kind of policy:

- 0 - Post log when it created
- 1 - Post log when
- 4 - Post log daily
- 5 - Post log when wifi available

channelId:String — App distributed channelId. You should distributed different ipa with different channelId for different channel. For Example: you distributed your App in tongbu.com, you can pass the string "tongbu".

You're done. That's all basic analytics operations.

3. Optional Features

Tracking custom event

you can use following methods to track your custom event. Be sure you ***all the eventIds has been registered on Umeng web portal.***

You can track a event use this method:

```
UmengNativeExtension.manager.event("EVENT_Game_Replay_Video");
```

You can track a event with different lable:

```
...

//Your code

UmengNativeExtension.manager.eventWithLabel("EVENT_In_App_Purchase_Result",
                                             "Success");

UmengNativeExtension.manager.eventWithLabel("EVENT_In_App_Purchase_Result",
                                             "User_Cancel");

//or more label
//Your code
...
```

If you wanna track a frequent event, you'd better count the event in program and then log the event with a accumulation:

```
...
//Your code

UmengNativeExtension.manager.eventWithAccumulation("EVENT_Game_Replay_Video",10);

UmengNativeExtension.manager.eventWithLabelAndAccumulation("EVENT_In_App_Purchase_Result",
                                                           "Success",
                                                           10);

UmengNativeExtension.manager.eventWithLabelAndAccumulation("EVENT_In_App_Purchase_Result",
                                                           "User_Cancel",
                                                           10);

//or more label
//Your code
...
```

API Documentation:

public function event(eventId:String):void

public function eventWithAccumulation(eventId:String, acc:int):void

public function eventWithLabel(eventId:String, label:String):void

public function eventWithLabelAndAccumulation(eventId:String, label:String, acc:int):void

Track the event with eventId, label and accumulation.

Parameters:

eventId:String — registered a event with eventId, You **MUST registered** it on Umeng web portal before using in code.

label:String — tag parts of this kind events with label

acc:int — accumulaton of the event

Special Mode

Log Mode: The SDK will print analytics log if set this true. Default it is false.

```
UmengNativeExtension.manager.setLogEnabled(true);
```

Crash Report Mode: The SDK will catch crash exception and system signal if set this true. Default it is true.

```
UmengNativeExtension.manager.setCrashReportEnabled(false);
```

Command Line Packaging

`ADTCompileScript.sh` use `adt` to packaging IPA, you can change the arguments to yours.

You can get more information from [Adobe Help Resource Center](#)

Please let us know if you have any questions. If you need any help, please send to support@umeng.com

The Umeng Team.

<http://www.umeng.com>