

Kochava iOS SDK Release Notes/Version Summary

Below you will find the complete documentation of all changes made between versions of the Kochava SDK. Kochava will provide email communication of SDK releases which are urgent in nature and/or include new, meaningful functionality. For all other updates, the below change-log will notify customers of updates.

SDK Version - 20160921

- Added initializer parameter to pass custom identifier in install payload.

SDK Version - 20160914

- Added new method for sending post-install events using standardized keys and value types.

SDK Version - 20160907

- Removed cookie collection per Apple guidelines on use of SafariViewController. Inclusion of SafariServices.framework is no longer necessary.

SDK Version - 20160823

- Optional cookie collection modified for iOS 10.

SDK Version - 20160720

- Add network connection type, display brightness and device orientation to collected data on initialization.
- Add optional Google cookie collection.
- Guard against possible Apple bug where iAd attribution is passed with a nil value.
- Note that this version requires the inclusion of the following frameworks in your application: SystemConfiguration.framework and SafariServices.framework.

SDK Version - 20160624

- Resolve possible use of null user-agent in network request.

SDK Version - 20160601

- Replaced version 20160517, where background thread attempting to retrieve device UA could cause an unexpected crash.
- Install receipt sent automatically to Kochava servers.
- Method added to send in-app purchase receipt with as post-install event.
- Attribution retrieval restarted if app was terminated before retrieved (if requested).
- All network communication uses NSURLSession (IPv6 compliance) - "SystemConfiguration.framework" is no longer required.
- Objective C automatic reference counting enabled.
- Removed collection of legacy device identifiers (MAC, ODIN, OpenUDID) on pre iOS 7.

SDK Version - 20160209

- Collect user-agent only on install and when iOS version changes.

SDK Version - 20151117

- Removed legacy code resulting in a smaller footprint. CoreGraphics.framework no longer required.

SDK Version - 20150923

- Built for iOS 9, using Xcode 7 - supports iOS 6.0 and later
- Support for iAd attribution payload with iOS 9
- Support for Bitcode
- Post-install and session events batched
- iBeacon detection abilities removed - iBeacon support available upon request
- Class names changed to avoid duplicate names with other 3rd party libraries

SDK Version - 20150523

- Added getKochavaDeviceId getter method to retrieve the Kochava Device Id.
- Bug fixed when retrieving iAd attribution on pre iOS 8.0 devices.
- Apple Watch support added.

SDK Version - 20150116

- Added release of application lifecycle observers when SDK is deallocated.

SDK Version - 20141031

- Resolve duplicate post install event on app becoming active.

SDK Version - 20141027

- Built for iOS 8, using Xcode 6. Prior versions of the SDK also support iOS 8.
- Retrieval of attribution data for install.
- iAd Impression Date and App Purchase Date retrieved in iOS 8, if Apple claims iAd Attribution.
- sendDeepLink command added to send deep link URI and calling application.
- iBeacon monitoring added, including delegate to host application of iBeacon boundary crossings.
- Swift support.

SDK Version - 20140714

- Event processing enhancements by respecting disabling of events in the Event Management UI. There is nothing the developer needs to do programmatically for this enhancement.

SDK Version - 20140521

- iAd attribution added. This will require the addition of the iAd framework to the project.
- Kochava_identityLinkResult delegate removed.

SDK Version - 20140318

- Fix bug which causes crash if the bundle does not have CFBundleShortVersionString populated.

SDK Version - 20140314

- Identity link data can optionally be sent when initializing the library. Please see directions in the general documentation under “Calling the Constructor”.
- JSONkit removed. Library requires iOS 5 or newer.
- 64 bit library included in aggregated .a file.
- More specific device version information.
- Device “language” added.
- Minor bug fix where IDFV doesn’t return from iOS (pre iOS 6 devices).

SDK Version - 20131024

- Resolve minor memory under Xcode 5.

SDK Version - 20130904

- Resolve unlikely error when Facebook attribution data is null.

SDK Version - 20130729

- Fix edge case error in pre iOS 6 implementations.

SDK Version - 20130724

- Added support for iOS 7
 - In accordance with Apple policies, in iOS 7, this SDK will only collect IDFA and IDFV for a given device. IDFA is the only identifier used for reconciliation/attribution
 - On devices running pre iOS 7, SDK will collect all device identifiers as previously supported (IDFA, IDFV, OpenUDID, ODIN, MAC, etc)
- Support for client-side attribution logic
- Support for ShortCode and LongCode option for version reporting
- Additional Facebook attribution features to be compliant with FB Media buy requirements

***Additional information about client-side attribution is as follows:**

Retrieving of Attribution Data:

Attribution data is stored in an NSDictionary and can be retrieved via the library by either calling a method to retrieve it, or via a delegate method. The purpose of providing this feature is to allow customers to gain insight on how that user is attributed from the application itself - once reconciliation is determined by the server. Note that attribution is asynchronous and will be populated with nothing, or a JSON object that outline something like the following in the case of an organic installation or a converted installation from a tracked Kochava campaign.

To retrieve attribution data you must indicate you want it when you initialize the library and you must use the `initWithKochavaWithParams` method (not `initWithKochavaAppId`). The dictionary item to trigger the receipt of attribution data is `retrieveAttribution`. You would therefore need to initialize the library with something like this:

NSDictionary *initDict = [NSDictionary dictionaryWithObjectsAndKeys:

```
@@"myKochavaAppId", @"kochavaAppId",
```

```
@@"YEN", @"currency",
```

```
@@"0", @"limitAdTracking",
```

```
@@"1", @"enableLogging",
```

```
@@"1", @"retrieveAttribution",
```

```
nil];
```

```
kochavaTracker = [[KochavaTracker alloc] initWithKochavaWithParams:initDict];
```

To retrieve the attribution data manually, call the “`retrieveAttribution`” method. The following lines serve as an example of how this might be accomplished.

```
-(void)someMethodInYourApp
```

```
{
```

```
...
```

```
MyAppDelegate *delegate = (MyAppDelegate*)[[UIApplication sharedApplication]
delegate];
```

```
NSDictionary *attribDict = [delegate.kochavaTracker retrieveAttribution];
```

```
...
```

```
}
```

To receive the attribution via a callback method:

1. Add the following immediately after you initialize the library.
kochavaTracker.trackerDelegate = self;
2. Implement the Kochava_attributionResult callback method.
- (void) Kochava_attributionResult:(NSDictionary *)attributionResult
{
 // Now do something with attributionResult
}

NOTE: The attribution data may not be retrieved immediately after you first initialize the library. Any attribution data will be available upon the second app launch.

FULL DOCUMENTATION:

<http://support.kochava.com/sdk-integration/iossdkintegration>