

# iOS SDK Release Notes

## SDK Library Version 3.1509.15

**Release Date:** September 16, 2015

**Supported OS Versions:** 6.x, 7.x, 8.x, 9.x

**Supported iOS Extensions:** *today-extension, share, action, photo-editing, document-provider, custom-keyboard, watchapp*

### Features:

1. [TAG-1764] Rebuilt the library binaries with Xcode 7 GM as Apple is now accepting apps for review if they are built with this Xcode version.

### Bug fixes:

1. [TAG-1770] Changed compiler settings to prevent generating a precompiled header for the prefix header. The precompiled header of the prefix header was causing large amounts of warnings for projects using debug symbols for debugging.

This was applied as a work-around for a known issue with the *dsymutil* tool packaged with Xcode 7 beta and Xcode 7 GM.

### Known issues:

- There were no known issues for this release.

## SDK Library Version 3.1508.19

**Release Date:** August 27, 2015

**Supported OS Versions:** 6.x, 7.x, 8.x, 9.x

**Supported iOS Extensions:** *today-extension, share, action, photo-editing, document-provider, custom-keyboard, watchapp*

### Features:

1. [TAG-1468] Added logic to automatically detect inclusion of the library inside an iOS extension.  
The implementation inside an extension differs from the implementation of the library in an application. These differences are addressed in the implementation guide which has been updated together with this release.
2. [TAG-1620, TAG-1629] Added logic to enable secure measurement requests when the application is running on iOS 9.  
This change is in response to the iOS 9 / Xcode 7 requirement to use HTTPS with TLS 1.2 for HTTP connections when using *App Transport Security*.  
This change also required code modifications to use `NSURLSession` instead of `NSURLConnection`.  
`NSURLSession` cannot be used on iOS 6.x. For iOS 6.x the library will continue to use `NSURLConnection`.
3. [TAG-1628] Enabled the inclusion of *bitcode*. This change is in response to bitcode support which was introduced in Xcode 7. At time of writing Apple stated the following about bitcode: *"For iOS apps, bitcode is the default, but optional. If you provide bitcode, all apps and frameworks in the app bundle need to include bitcode. For watchOS apps, bitcode is required."*

4. [TAG-1663] Expanded the *new media* check in the wrapper class its new media change notification methods (`playVideoContentPart`, etc.) to be able to include extra metadata labels as part of the detection mechanism.
5. [TAG-1665] Expanded wrapper class with new media change notification methods (`playVideoContentPart`, etc.). The new methods add an enum parameter for the media type into the method signature. The implementation documentation has been updated to use these new methods. The previously existing methods have been marked as deprecated and will be removed in a future update.

**Bug fixes:**

1. [TAG-1570] Removed code that has become obsolete after the changes for [TAG-1526] which were released with version 3.1504.30.
2. [TAG-1658] Corrected logic for updating usage timings with the auto-update feature while the application is running in the background to fix a problem that was introduced with [TAG-1324] in version 3.1502.26.

**Known issues:**

- There were no known issues for this release.

## SDK Library Version 3.1504.30

**Release Date:** June 1, 2015**Supported OS Versions:** 6.x, 7.x, 8.x**Features:**

- No feature requests were included in this release.

**Bug fixes:**

1. [TAG-1523] Modified method signature in response to a reported naming collision (improving the resolution of [TAG-1467]).
2. [TAG-1526] Modified how values which are provided in setter methods are applied. The values are now applied via the internal task executor (to ensure values are set in the chronological order) which allows for removal of `synchronized` code blocks that were used in previous versions. This improvement prevents potential locks of threads where `synchronized` code is being executed (which could be the main thread).

**Known issues:**

- There were no known issues for this release.

## SDK Library Version 3.1503.24

**Release Date:** March 31, 2015**Supported OS Versions:** 6.x, 7.x, 8.x**Features:**

- No feature requests were included in this release.

**Bug fixes:**

1. [TAG-1462] Extracted Streaming Tag plugin classes from the library to prevent *CoreMedia*, *MediaPlayer* and *AVFoundation* frameworks from being required by the linker in projects that are compiled with linker flags `-ObjC` and/or `-all_load`.
2. [TAG-1467] Changed headers to make a symbol private in response to a reported naming collision.

#### Known issues:

- There were no known issues for this release.

## SDK Library Version 3.1502.26

**Release Date:** March 3, 2015

**Supported OS Versions:** 6.x, 7.x, 8.x

#### Features:

1. [TAG-1285] Cleaned up the example projects by removing obsolete settings files.

#### Bug fixes:

1. [TAG-1295] Modified the logic used to determine the value of label `ns_radio` to fix an issue that leads to the value `wifi` being collected in scenario's where value `wwan` should have been collected.
2. [TAG-1312] Modified the logic to remove expired cache files to prevent a potential issue where measurement cache files could be removed without being flushed.
3. [TAG-1324] Improved the internal task executor – which runs queued tasks on a background thread – to also handle all timed tasks to fix an issue that could sporadically cause an app to hang during launch while on an internet connection with limited bandwidth.
4. [TAG-1347] Improved the internal Streaming Tag state machine to be able to properly handle scenarios where an *end* notification is triggered after a *play* notification but before the processing of that *play* notification is completed, which could allow the heartbeat timer to continue to run after the *end* measurement is sent.
5. [TAG-1354] Improved the logic used for generating the `c12` value to ensure that it correctly uses the *publisher secret* when the library is configured via API calls.
6. [TAG-1360] Improved the logic used in the Streaming Tag classes to throttle rapidly recurring *play* and *pause* event notifications.
7. [TAG-1366] Corrected the logic used for triggering the *keep-alive* event to be able to properly handle scenarios that have live transmission initially turned off (like scenarios with an *opt-in wall*).

#### Known issues:

- There were no known issues for this release.

## SDK Library Version 3.1412.05

**Release Date:** December 15, 2014

**Supported OS Versions:** 6.x, 7.x, 8.x

#### Features:

1. [TAG-844] Added support for non-`NSString` label values in `setLabels` and `setLabel` API method calls.
2. [TAG-1123] Added logic to collect the processor architecture in label `ns_ap_ar`.

3. [TAG-1172] Modified the `StreamingTag` wrapper class used by the *Reduced Requirements* Video Metrix implementation to include new API methods `playVideoAdvertisement`, `playAudioAdvertisement`, `playVideoContentPart` and `playAudioContentPart` to differentiate between *video+audio* and *audio-only* media consumption. The `playVideoAdvertisement` and `playAudioAdvertisement` methods accept a metadata object.
4. [TAG-1231] Integrated the Streaming Tag library classes into the Application Tag.

**Bug fixes:**

1. [TAG-1185] Modified the `setHeartbeatIntervals` method to accept `NSNull` for the playing time threshold property.

**Known issues:**

- There were no known issues for this release.

## SDK Library Version 2.1409.23

**Release Date:** October 8, 2014**Supported OS Versions:** 6.x, 7.x, 8.x**Features:**

1. [TAG-1015, TAG-1046] Implemented a minor adjustment to how unique device IDs are used by the library. When the user disables *Limit Ad Tracking* to allow the use of the Advertising ID but without closing the application afterwards, then the library will not use the advertising ID even though it is now allowed.

**Bug fixes:**

1. [TAG-1028] Modified the way the `setEnabled` API method is implemented to prevent issues in implementations that also use the Streaming Tag library.

**Known issues:**

- There were no known issues for this release.

## SDK Library Version 2.1409.04

**Release Date:** September 11, 2014**Supported OS Versions:** 6.x, 7.x, 8.x**Features:**

1. [TAG-1023] Added logic to have the OS synchronize the usage timings in `NSUserDefaults` synchronized more often. This helps prevent usage timings from being inflated in use cases where the application is killed before the OS has synchronized updated `NSUserDefaults`.

**Bug fixes:**

- There were no known bugs prior to this release.

**Known issues:**

- There were no known issues for this release.

## SDK Library Version 2.1408.01

**Release Date:** August 5, 2014

**Supported OS Versions:** 6.x, 7.x, 8.x

### Features:

1. [TAG-876] Modified how unique device IDs are used by the library to align with changes in the Android Application Tag library.
2. [TAG-885] Modified the session timeout for label `ns_ap_as` from 20 minutes to 30 minutes.

### Bug fixes:

- There were no known bugs prior to this release.

### Known issues:

- There were no known issues for this release.

## SDK Library Version 2.1407.11

**Release Date:** July 21, 2014

**Supported OS Versions:** 6.x, 7.x, 8.x

### Features:

1. [TAG-817] Cleaned up public interface to expose only methods and classes used in implementations.
2. [TAG-817, TAG-818, TAG-819, TAG-820, TAG-821, TAG-822, TAG-823, TAG-824, TAG-825] Applied minor coding improvements.

### Bug fixes:

1. [TAG-826] Fixed an issue that could cause crashes when running *iOS 8 beta 3* on an iPhone 5S.

### Known issues:

- There were no known issues for this release.

## SDK Library Version 2.1404.15

**Release Date:** April 23, 2014

**Supported OS Versions:** 5.x, 6.x, 7.x

### Features:

1. Removed the connectivity (state) change detection logic. This involved completely removing the Reachability class provided by Apple and the classes used from the AFNetworking project from the comScore library.

### Bug fixes:

1. Resolved sporadic crashes related to connectivity change detection by removing this feature.

2. Conforming to checking if *Limit Ad Tracking* setting is disabled before trying to read the IDFA value in new application installs.

*Please note that the comScore libraries have never sent the IDFA value.* All versions of the comScore libraries first check if the *Limit Ad Tracking* setting is disabled prior to using the IDFA value.

With previous versions, new installs of the comScore library would access the IDFA on the very first start of a newly installed app. These previous versions of the library would check if the *Limit Ad Tracking* setting is disabled before using the retrieved IDFA value. This logic was changed in this release to always ensure that the check of the *Limit Ad Tracking* setting always takes place first, before accessing the IDFA value.

## SDK Library Version 2.1403.25

**Release Date:** March 31, 2014

**Supported OS Versions:** 5.x, 6.x, 7.x

**Features:**

- There were no features introduced in this release.

**Bug fixes:**

1. Refactored the external constants used in `CSReachability` and `CSReachabilityManager` to prevent conflicts with other frameworks and libraries.
2. Fixed an issue that prevented `setMeasurementLabelOrder` from working as expected.

## SDK Library Version 2.1403.14

**Release Date:** March 19, 2014

**Supported OS Versions:** 5.x, 6.x, 7.x

**Features:**

1. Refactored the library to use a fully asynchronous model. All calls to the comScore library methods are processed asynchronously on a separate thread. This should be taken into consideration when calling methods to retrieve a value from the comScore library.
2. Refactored public C functions to avoid collisions.

**Bug fixes:**

1. Fixed an issue that prevented the auto-update functionality from collecting application background usage times when the application is put in the background and continues to run.
2. Fixed an issue that prevented an automatic flush of the offline measurement cache when the app was put in foreground and the device has network connectivity.
3. Corrected the value collected for label `ns_ap_lang` to be the operating system language instead of the application locale.

*Releases prior to version 2.1403.14 have been removed from the release notes due to their age.*