

Darwin Library Release Notes

Version 6.0.0 of the Comscore libraries introduces public API changes. Upgrading existing implementations of older library versions will require a small amount of code changes, which are explained in an appendix of the implementation guides.

Library Version 6.0.0.191011

Release Date: October 14, 2019

Data Collection Model Version: 6.0

Supported iOS Versions: 6.x, 7.x, 8.x, 9.x, 10.x, 11.x, 12.x, 13.x

Supported iPadOS Versions: 13.x

Supported tvOS Versions: 9.x, 10.x, 11.x, 12.x, 13.x

Supported watchOS Versions: 1.x, 2.x, 3.x

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

Binaries compiled with: Xcode 11.1

Feature changes:

1. (TAG-3629) Simplify and future-proof Streaming Tag implementation design and improve consistency of API naming and design of all library elements.

Description: Aside from applying internal redesign to remove the root causes of some difficult to reproduce bugs, the overall design of the solution is a few years old and can use an overhaul to apply new insights. Feature changes include:

- Integrate the `SCORReducedRequirementsStreamingAnalytics` solution into the 'standard' `SCORStreamingAnalytics` solution to have a single Streaming Tag implementation.
- Provide Streaming Tag metadata objects with setters to allow developers to provide metadata without knowledge of label names. *Support for the use of dictionaries with labels from existing implementations is available (see appendix with update instructions in the implementation instructions).*
- Remove API elements which are no longer needed.

Resolution: Apply the changes and increment the major version number accordingly.

2. (TAG-5091) Add Distributed Content Tagging functionality.

Description: Provide a simple solution for tagging distributed content in applications.

Resolution: Add the `notifyDistributedContentViewEvent` API method.

3. (TAG-5129) Make all transmission secure (HTTPS) by default on all iOS versions.

Description: Transmission already is secure by default on iOS 9 and higher as well as on all versions of iPadOS, tvOS and watchOS.

Resolution: Let transmission also be secure by default on iOS 6, 7 and 8.

Bug fixes:

1. (TAGLCPPS-110) Related to (TAGLDARW-125) — mentioned in library version 5.8.0.180306 release notes — if the implementation destructs a `StreamingAnalytics` instance this can occasionally lead to crashes from a race condition when the instance is still processing notifications.

Problem: When the application is terminated while processing streaming notifications on a background thread this could lead to warnings. While (TAGLDARW-125) addresses the warnings, if the application destructs a `StreamingAnalytics` instance this can

occasionally still result in a crash from a race condition when the instance is still processing notifications.

Resolution: Apply internal design changes to resolve this.

2. (TAG-5738) Correct per asset playback counter unique and largest-consecutive playback metrics collection.

Problem: The data for unique and largest-consecutive playback of the current asset playback counter is reset when an asset transitions into IDLE state. This means merging of intervals upon resuming playback — i.e., the playback counter is not incremented — occurs against an empty history.

Resolution: Ensure the data for unique playback and largest-consecutive playback per asset playback counter is reset only when the asset playback counter is incremented.

3. (TAG-5739) Improve elapsed time metrics collection.

Problem: There are use cases where elapsed time does not include time-spent outside of playback.

Resolution: Ensure the data for elapsed time is collected as soon as state changes from *idle*.

Known issues and limitations:

1. (TAG-5804) Resolve a deprecation warning related to code that uses *UIWebView*.

Description: App submission causes warning ITMS-90809: Deprecated API Usage - Apple will stop accepting submissions of apps that use *UIWebView* APIs to be reported.

Although this is not blocking submissions, some publishers might want to submit their app(s) without any warning. That will require a different library deliverable.

Expected Resolution: The short-term resolution is to provide an alternative library deliverable which does not contain code that uses *UIWebView*. Please contact your client service representative if you want to receive this deliverable. A future minor version update will remove use of *UIWebView* in all library deliverables.