

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*

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.

Description: 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.