

JavaScript Library Release Notes

Version 7.0.0 of the Comscore library 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 7.8.0+2310050509

Release Date: October 9, 2023

Data Collection Model Version: 6.6

Supported Platforms in PlatformAPI: Web browser, non-web browser vanilla HTML5/JavaScript, Sony Trilithium and JSMAF (Playstation 3 and 4, Vita, SmartTV and Blu-ray), Samsung Tizen TV, Samsung legacy SmartTV and Blu-ray, LG SmartTV and Blu-ray (Netcast and WebOS), Philips Smart TV, Google Chromecast Custom Receiver, AppleTV, Xbox One (WinJS), WebOS, Node.js

Feature changes:

- (TAG-7908) Introduce support for Samsung Tizen TV.
Description: Tag implementation for Samsung Tizen TV applications has thus far been supported via customised Skeleton PlatformAPI implementations. Multiple publishers have been reported to use this. This solution can be improved by adding a standard PlatformAPI for Samsung Tizen TV.
Resolution: Add a standard PlatformAPI that uses Samsung Tizen TV APIs for reporting device and platform data. Implementation documentation will be updated shortly to explain application project requirements to use this solution.
- (TAG-7971) Update TCF CMP integration and introduce GPP CMP integration.
Description: The CMP integration in the library supports only TCF 2.0 CMPs. TCF 2.2 comes with a change in requirements that removes CMP API elements used in the current integration. Also, GPP CMPs are showing up as replacement to TCF CMPs and need to be supported. GPP is currently at version 1.1.
Resolution: Update the TCF CMP integration to TCF 2.2-compliant. Add a GPP 1.1-compliant integration.
- (TAG-8460) Add first-party cookie functionality to the library.
Description: The web page impression tag can set and collect first-party cookies. As this library can be used in web browser use cases, this functionality should be available for optimal data collection of these first-party cookies.
Resolution: Implement first-party cookie functionality following the specification used for web page impression tag.

Bug fixes:

- (TAG-8495) Ensure the `getPlaybackSessionId()` method of `StreamingAnalytics` instances returns a value.
Description: The `getPlaybackSessionId()` method of `StreamingAnalytics` instances returns `undefined` values.
Resolution: Ensure the `getPlaybackSessionId()` method returns the identifier of the current playback session.

Known issues and limitations:

- There were no known issues for this release.

Library Version 7.7.0+211006

Release Date: October 12, 2021

Data Collection Model Version: 6.4

Supported Platforms in PlatformAPI: Web browser, non-web browser vanilla HTML5/JavaScript, Sony Trilithium and JSMAF (Playstation 3 and 4, Vita, SmartTV and Blu-ray), Samsung SmartTV and Blu-ray, LG SmartTV and Blu-ray (Netcast and WebOS), Philips Smart TV, Google Chromecast Custom Receiver, AppleTV, Xbox One (WinJS), WebOS, Node.js

Feature changes:

- There were no feature changes in this release.

Bug fixes:

1. (TAG-7141) Ensure subsequent application runs collect the identifier of the immediately preceding application run.
Description: When `ns_ap_lastrun` is included its value is `0` instead of the value of `ns_ap_id` collected for the previous application run. Value `0` is only expected to be collected if there is no previous application run.
Resolution: Ensure the value of `ns_ap_lastrun` is the same as the value collected for `ns_ap_id` on the immediately preceding application run and `0` if there is no previous application run.

Known issues and limitations:

- There were no known issues for this release.

Library Version 7.6.1.210506

Release Date: May 17, 2021

Data Collection Model Version: 6.4

Supported Platforms in PlatformAPI: Web browser, non-web browser vanilla HTML5/JavaScript, Sony Trilithium and JSMAF (Playstation 3 and 4, Vita, SmartTV and Blu-ray), Samsung SmartTV and Blu-ray, LG SmartTV and Blu-ray (Netcast and WebOS), Philips Smart TV, Google Chromecast Custom Receiver, AppleTV, Xbox One (WinJS), WebOS, Node.js

Feature changes:

- There were no feature changes in this release.

Bug fixes:

1. (TAG-6754) Align automatically collected screen names with solutions for other platforms.
Description: The JavaScript Library does not follow the specification for automatically collecting a screen or view name for non-web browser environments, which is platform-agnostic.
Resolution: Ensure the automatically collected screen or view name aligns with solutions for other platforms.
2. (TAG-7030) Ensure calls to `classifyAsAudioStream()` for `AdvertisementMetadata` are reflected in the collected `ns_st_ct` value.
Description: Calling `classifyAsAudioStream()` for `AdvertisementMetadata` results in `*null` values being collected in `ns_st_ct`, which is not the appropriate value in this use case.
Resolution: Ensure the appropriate value is collected when `classifyAsAudioStream()` is called for `AdvertisementMetadata`.

Known issues and limitations:

- There were no known issues for this release.

Library Version 7.6.0.210114

Release Date: January 20, 2021

Data Collection Model Version: 6.4

Supported Platforms in PlatformAPI: Web browser, non-web browser vanilla HTML5/JavaScript, Sony Trilithium and JSMAF (Playstation 3 and 4, Vita, SmartTV and Blu-ray), Samsung SmartTV and Blu-ray, LG SmartTV and Blu-ray (Netcast and WebOS), Philips Smart TV, Google Chromecast Custom Receiver, AppleTV, Xbox One (WinJS), WebOS, Node.js

Feature changes:

1. (TAG-6581) Collect Playback session identifier (label `ns_st_id`) as GUID.
Description: Playback session identifiers have historically been collected as timestamp values. Reporting will benefit from a Playback session identifier with a higher degree of uniqueness by using GUID values. GUID values are also timestamp-based but have added randomness.
Resolution: Change the collected Playback session identifier values from timestamp values to GUID values.
2. (TAG-6585) Collect TCF2.0 CMP data for data investigations.
Description: When a Consent Management Platform (CMP) does not implement according to the TCF2.0 specification this may prevent the library from collecting user consent data. In these cases the collected data does not contain any information that can help determine how often this occurs.
Resolution: Collect additional values to identify when a non-compliant CMP is being used.

Bug fixes:

1. (TAG-6627) Ensure advertisement number is incremented correctly.
Description: The media change detection mechanism uses metadata values to determine if there is a media change. With multiple pre-roll advertisements this can prevent the advertisement number from being updated. This happens because the library uses more metadata values than strictly necessary for advertisements. The library interprets these values as an additional ad break, which is then 'overruled' by "pre-roll ad breaks shall always have ad break number 1."
Resolution: Stop using the superfluous metadata values for advertisements.
2. (TAG-6729) Ensure CMP user consent data is not accessed when the CMP is found but disabled.
Description: When a Consent Management Platform (CMP) is found by the library while it is not being used, the library will still try to retrieve user consent values. This causes a `TypeError`.
Resolution: Ensure user consent values are only accessed when the CMP is used and execute this operation in a `try-catch` block.

Known issues and limitations:

- There were no known issues for this release.