



Radium 0.30

Release Notes

22 February 2018

This release of Radium SDK and RadiumJS (Chrome Application and Cloud Reader) comprises a small number of fixes, notably for correctly restoring the bookmark in the Chrome app between sessions. There are also a number of minor bug fixes here and there. The SDK sources are also changed to have the BSD 3-clause license instead of the GNU Affero license as Radium has changed its licensing policy.

The tag for this release is 0.30 on GitHub.

Note About The Web Origin Issue

One issue that has been raised recently (though it is NOT a new issue) is the problem of scripts in different publications using local storage. The problem arises if several different scripts use [HTML5 local storage](#) and happen to use the same key (e.g. 'name') and are using the same web origin (e.g. localhost, 127.0.0.1). In this case, they will be accessing the same local storage object and will overwrite and/or fetch each other's items. Worse, if one of the scripts calls `removeItem()` or `clear()` on that object they could be removing one or all of the other script's data.

The best solution to avoid this is to use a scheme that ensures that the calling scripts are NOT from the same web origin though this is not simple to implement. To be clear, this is not an SDK-level issue, but an app issue. So it is a problem for CloudReader-based deployments and, to a lesser extent (since scripting is largely blocked) in the Chrome app. So developers of apps based on the SDK or deploying the CloudReader should begin to think about this. Radium will be working to provide examples of how to work around this for both Radium-1 and Radium-2 in the near future. For now, more information is available in a Radium technical note [here](#).

Improvements and Enhancements in this Release

Radium SDK

There are only real change to the SDK is the change in the licensing from GNU Affero to BSD 3-clause. The Android tools have also been upgraded to the latest release.

Cloud Reader/Chrome App

The primary fix in this release is the correct restoring of the user's place in the book between sessions. This was a regression introduced in release 0.29. There were several minor updates and fixes to the Hypothesis support.

In addition, MathJax now has AssistiveMML enabled and this has been integrated into the Radium codebases (both RadiumJS and SDK). See a MathJax note about Assistive MML [here](#) and legacy accessibility support [here](#).

Caveat: There is still one known issue with handling of events in continuous scroll mode. This causes some

problems to the Hypothes.is plugin. Until this is resolved, users are advised to avoid using continuous scroll mode.

There were also a number of minor changes to build infrastructure (support for Yarn and Chai, etc.)

All Fixes in this Release

The following bug fixes and enhancements are in this release:

SDK

- [Android build tools version bump](#).

SDKLauncher-iOS

- [MathJax AssistiveMML](#)

SDKLauncher-Android

- [Android build tools version bump](#)
- [AssistiveMathML \(MathJax\)](#)

SKLauncher-OSX

- Nothing significant

readium-js-viewer

- [fix broken Chrome app "bookmark" \(reading location\) save/restore](#)
- [README separate doc for cloud reader](#)

readium-js

- [disable local HTTP server caching](#)

readium-shared-js

- [Add more conditions in the CFI blacklisting for Hypothes.is elements](#)
- [Prevent setting a font size on an element when the original font size...](#)
- [Merge pull request #435 from readium/feature/issue-set-scaled-font-size](#)
- [Merge pull request #434 from readium/feature/hypothesis-cfi-blacklisting](#)
- [Merge branch 'develop' of https://github.com/readium/readium-shared-js ...](#)
- [disable local HTTP server caching indexzero/http-server@b9b95b2](#)

readium-cfi-js

- [npm install from scratch \(rm package-lock.json && rm -rf node_modules\)](#)
- [disable local HTTP server caching indexzero/http-server@b9b95b2](#)

Additional Changes

In addition to the above more significant changes, there are many more minor changes related to infrastructure and build updates, maintenance, etc. You can see *all* of these via these links, which compare the state of the master branch of release 0.29.0 vs. the master branch of release 0.30.0.

[readium-shared-js](#)
[readium-js](#)
[readium-js-viewer](#)
[readium-js-cfi](#)
[readium-sdk](#)
[SDKauncher-Android](#)
[SDKLauncher-iOS](#)
[SDKLauncher-OSX](#)

Additional Information

For additional information or assistance, please contact [Ric Wright, Director of Engineering](#)

Not Yet Supported

- EPUB 3.0.1 rendition orientation properties
- Horizontal scrolling for reflowable Japanese documents (we support only paginated view)
- EPUB manifest-level fallbacks
- Page counts, page progression and “go to page”
- Separate non-paginated (modal) view for linear=“no” items
- EPUB page-lists and landmarks
- Text search
- User-defined line-spacing
- Alternate style sheets

Known issues

Other Known Issues

- Images which are wider than the entire window will be cropped (rather than resized)
- Video controls sometimes disappear or behave erratically (WebKit bug)
- Video and audio will continue playing even when scrolled off the visible window
- Very long EPUB titles can overflow the title bar
- Opening or closing the ToC during MO playback resets playback to top of page
- Global styles are not applied to SVG

The previous Release Notes (0.29) are [here](#).

Radium Chrome Extension Release Notes:

EPUB Reader for Chrome

Radium for Chrome is the Google Chrome application based on RadiumJS, an open source reading system and JavaScript library for displaying EPUB® publications in web browsers. RadiumJS is a project of the Radium Foundation. EPUB is a widely adopted portable document format based on Web standards such as HTML5, CSS, JavaScript, and SVG. EPUB is a registered trademark of a registered

trademark of W3C ® ([MIT](#), [ERCIM](#), [Keio](#), [Beihang](#)).

Improvements and Enhancements in this Release

This release, 2.30.0, includes one significant bug fix to correctly restore the previous reading position when a book is reopened.

Full release notes can be found here:

<https://docs.google.com/document/d/11yETD9-VR80UMiXRPd-x7T-87SBQYbh0OGSSI5S7-Eg/edit#>