

Lighthouse 2.6 Updates



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Lighthouse 2.6 is out! Highlights include:

- New performance audits.
- A rehaul of the accessibility section score.
- Improvements to the report UX.
- A bug fix for the aspect ratio audit.

See the [2.6 release notes](#) for the full list of new features, changes, and bug fixes.

How to update to 2.6

- NPM. Run `npm update lighthouse`. Run `npm update lighthouse -g` flag if you installed Lighthouse globally.
- Chrome Extension. The extension should automatically update, but you can manually update it via `chrome://extensions`.
- DevTools. The Audits panel will be shipping with 2.6 in Chrome 65. You can check what version of Chrome you're running via `chrome://version`. Chrome updates to a new version about every 6 weeks. You can run the latest Chrome code by downloading [Chrome Canary](#).

New performance audits

JavaScript boot-up time is high

View a breakdown of the time your page spends parsing, compiling, and executing each script. JavaScript boot-up time is a somewhat-hidden but important factor in page load time.

▼ JavaScript boot-up time is high (> 4s): 120 ms

Consider reducing the time spent parsing, compiling and executing JS. You may find delivering smaller JS payloads helps with this.



▼ View Details

URL	Script Evaluation	Script Parsing & Compile
/analytics.js	42 ms	2 ms
/content_script_compiled.js	16 ms	0 ms
/	4 ms	0 ms
/build/inject.js	3 ms	0 ms
/scripts/main.min.js	0 ms	2 ms
/scripts/comlink.global.js	0 ms	2 ms
/scripts/messagechanneladapter.g	0 ms	1 ms
/sounds/airhorn.mp3	1 ms	0 ms
/sw.js	0 ms	0 ms

Figure 1. The **JavaScript boot-up time is high** audit

Uses inefficient cache policy on static assets

Make sure that the browser properly caches each of your resources.

- ▼ Uses inefficient cache policy on static assets: 6 assets found
A long cache lifetime can speed up repeat visits to your page. [Learn more.](#)

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URL	Cache TTL	Size (KB)
/1/e79083cdd8?a=...	None	0 KB
/en_US/sdk.js	20 m	64 KB
/widgets.js	30 m	36 KB
...ua/ecommerce.js	1 h	1 KB
/analytics.js	2 h	15 KB
/nr-1071.min.js	2 h	9 KB

Figure 2. The **Uses inefficient cache policy on static assets** audit

Avoids page redirects

Page redirects add an extra network roundtrip, or two if an extra DNS lookup is required. Minimize redirects in order to speed up page load time.

- ▼ Avoids page redirects: 570 ms
Redirects introduce additional delays before the page can be loaded. [Learn more.](#)



▼ View Details

Redirected URL	Time for Redirect
(Initial: https://www.yahoo.co.jp/)	n/a
https://m.yahoo.co.jp/	570 ms

Figure 3. The **Avoids page redirects** audit

Rehaul of the accessibility section score

In Lighthouse 2.6, the aggregate accessibility score is calculated differently. The score weighs each accessibility audit based on the severity of its impact on user experience, as well as the frequency of the issue, based on the [HTTP Archive](#) dataset. See [googlechrome/lighthouse/issues/3444](https://github.com/googlechrome/lighthouse/issues/3444) for an in-depth discussion.

Report UX Improvements

Note: These updates are in the Chrome Extension version of Lighthouse only. They are not yet in the Audits panel of DevTools.

Top-level errors

At the top of your report, Lighthouse alerts you to errors that may have affected your page's scores.

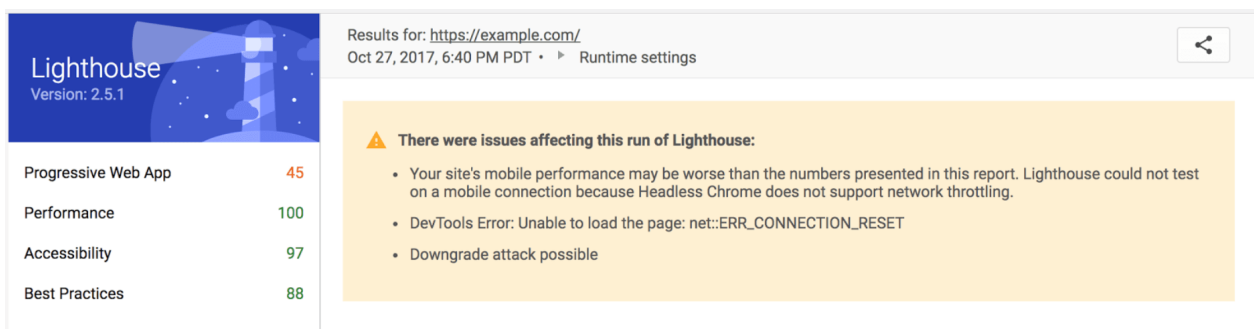


Figure 4. Top-level errors at the top of a report

Print summary and expanded views

Click **Export Report** then select **Print Summary** or **Print Expanded** to print out summarized or detailed versions of your reports.

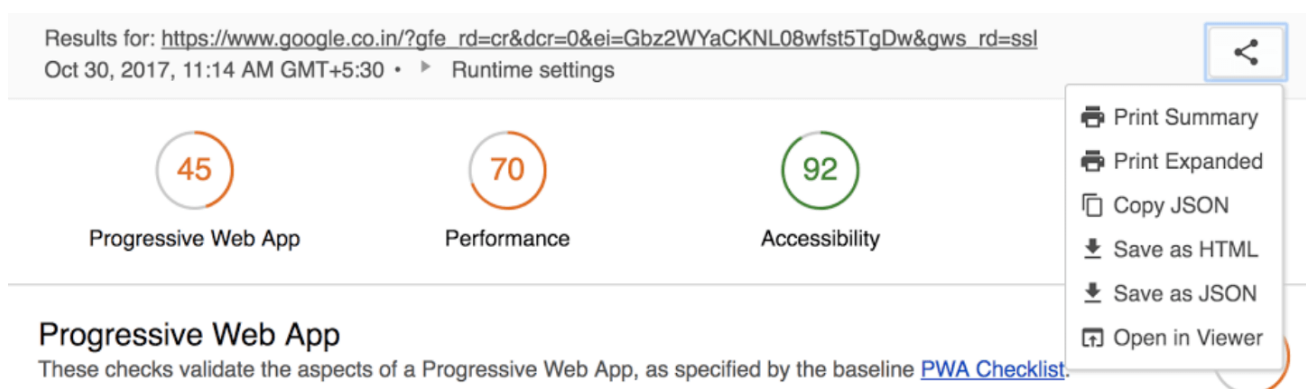


Figure 5. Print summary and expanded views

Aspect ratio bug fix

2.6 also fixes a bug that caused the **Displays images with correct aspect ratio** audit to fail even when there were no images on the page, or all images were properly sized.

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