

**RAPPORT DE
PERFORMANCE
LIGHTHOUSE de HRnet**
fonctionnant avant et après la
conversion de la bibliothèque.



Performance



Accessiblilty



Best
Practlces



SEO



PWA



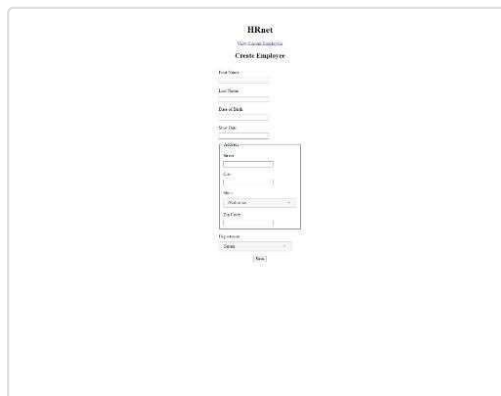
Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49

50–89

90–100



METRICS

[Expand view](#)

First Contentful Paint

0.8 s

Time to Interactive

0.8 s

Speed Index

0.8 s

Total Blocking Time

0 ms

Largest Contentful Paint

0.8 s

Cumulative Layout Shift

0.002

[View Original Trace](#)

 [View Treemap](#)



Show audits relevant to: [All](#) [FCP](#) [TBT](#) [LCP](#) [CLS](#)

OPPORTUNITIES

Opportunity

Estimated Savings

Eliminate render-blocking resources

0.66 s 

These suggestions can help your page load faster. They don't [directly affect](#) the Performance score.

DIAGNOSTICS

▲ Does not use passive listeners to improve scrolling performance	▼
▲ Does not have a <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code> No <code><meta name="viewport"></code> tag found	▼
○ Avoid chaining critical requests — 9 chains found	▼
○ Keep request counts low and transfer sizes small — 11 requests • 259 KiB	▼
○ Largest Contentful Paint element — 1 element found	▼
○ Avoid large layout shifts — 2 elements found	▼

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (33) Show



Accessiblilty

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

ARIA

▲ ARIA input fields do not have accessible names	▼
--	---

These are opportunities to improve the usage of ARIA in your application which may enhance the experience for users of assistive technology, like a screen reader.

INTERNATIONALIZATION AND LOCALIZATION

▲ <code><html></code> element does not have a <code>[lang]</code> attribute	▼
---	---

These are opportunities to improve the interpretation of your content by users in different locales.

ADDITIONAL ITEMS TO MANUALLY CHECK (10) Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (16)

Show

NOT APPLICABLE (26)

Show



Best Practices

TRUST AND SAFETY

- ▲

Includes front-end JavaScript libraries with known security vulnerabilities — 3 vulnerabilities detected

▼
- Ensure CSP is effective against XSS attacks

▼

BROWSER COMPATIBILITY

- ▲

Page lacks the HTML doctype, thus triggering quirks-mode Document must contain a doctype

▼

GENERAL

- Detected JavaScript libraries

▼

PASSED AUDITS (11)

Show

NOT APPLICABLE (1)

Show



SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more](#).

MOBILE FRIENDLY

- ▲ Does not have a `<meta name="viewport">` tag with `width` or `initial-scale` No `<meta name="viewport">` tag found

Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. [Learn more](#).

CONTENT BEST PRACTICES

- ▲ Document does not have a meta description

Format your HTML in a way that enables crawlers to better understand your app's content.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Show

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (7)

Show

NOT APPLICABLE (5)

Show



PWA

These checks validate the aspects of a Progressive Web App. [Learn more](#).

INSTALLABLE

- ▲ Web app manifest or service worker do not meet the installability requirements — 1 reason

PWA OPTIMIZED

- ▲ Does not register a service worker that controls page and `start_url`
- ▲ Is not configured for a custom splash screen Failures: No manifest was fetched.

- ▲ Does not set a theme color for the address bar.
Failures: No manifest was fetched, No `- Content is sized correctly for the viewport ✓
- ▲ Does not have a `<meta name="viewport">` tag with `width` or `initial-scale` No ``<meta name="viewport">`` tag found ✓
- ▲ Does not provide a valid `apple-touch-icon` ✓
- ▲ Manifest doesn't have a maskable icon No manifest was fetched ✓

ADDITIONAL ITEMS TO MANUALLY CHECK (3)

Show

These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

■ Captured at Sep 15, 2022,
1:06 AM GMT+2
■ Initial page load

■ Emulated Desktop with
Lighthouse 9.6.1
■ Custom throttling

■ Single page load
■ Using Chromium 104.0.0.0
with devtools

Generated by **Lighthouse** 9.6.1 | [File an issue](#)



Performance



Accessibility



Best Practices



SEO



PWA



Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49 50–89 90–100



METRICS

Expand view

First Contentful Paint

0.2 s

Time to Interactive

0.6 s

Speed Index

0.2 s

Total Blocking Time

10 ms

Largest Contentful Paint

0.8 s

Cumulative Layout Shift

0

[View Original Trace](#)

[View Treemap](#)



Show audits relevant to: All [FCP](#) [TBT](#) [LCP](#) [CLS](#)

DIAGNOSTICS

▲ Image elements do not have explicit [width](#) and [height](#)



▲ Serve static assets with an efficient cache policy — 6 resources found



-
- Keep request counts low and transfer sizes small — 7 requests • 500 KiB ▼
 - Largest Contentful Paint element — 1 element found ▼
 - Avoid long main-thread tasks — 1 long task found ▼
-

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (35)

Show



Accessiblilty

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (11)

Show

NOT APPLICABLE (33)

Show



Best Practlces

TRUST AND SAFETY

-
- Ensure CSP is effective against XSS attacks ▼
-

GENERAL

PASSED AUDITS (13)

Show

NOT APPLICABLE (1)

Show



SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more](#).

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Show

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (11)

Show

NOT APPLICABLE (3)

Show



PWA

These checks validate the aspects of a Progressive Web App. [Learn more](#).

INSTALLABLE

▲ Web app manifest or service worker do not meet the installability requirements — 1 reason

▼

PWA OPTIMIZED

▲ Does not register a service worker that controls page and `start_url`

▼

Configured for a custom splash screen



Sets a theme color for the address bar.



☐ Content is sized correctly for the viewport




Has a `<meta name="viewport">` tag with `width` or `initial-scale`



Provides a valid `apple-touch-icon`




 Manifest doesn't have a maskable icon




ADDITIONAL ITEMS TO MANUALLY CHECK (3)

Show

These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.


 Captured at Sep 15, 2022,
1:10 AM GMT+2

 Initial page load

 Emulated Desktop with
[Lighthouse 9.6.1](#)

 Custom throttling

 [Single page load](#)

 [Using Chromium 104.0.0.0
with devtools](#)

Generated by **Lighthouse** 9.6.1 | [File an issue](#)



Performance



Accessiblility



Best
Practlces



SEO



PWA



Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49 50–89 90–100



METRICS

Expand view

First Contentful Paint

0.4 s

Time to Interactive

0.5 s

Speed Index

0.4 s

Total Blocking Time

0 ms

Largest Contentful Paint

0.4 s

Cumulative Layout Shift

0

[View Original Trace](#)



[View Treemap](#)



Show audits relevant to: All FCP TBT LCP CLS

OPPORTUNITIES

Opportunity

Estimated Savings

Eliminate render-blocking resources

0.28 s ▾

These suggestions can help your page load faster. They don't [directly affect](#) the Performance score.

DIAGNOSTICS

▲	Does not have a <code><meta name="viewport"></code> tag with <code>width</code> or <code>initial-scale</code> No <code><meta name="viewport"></code> tag found	▼
○	Avoid chaining critical requests — 5 chains found	▼
○	Keep request counts low and transfer sizes small — 8 requests • 66 KiB	▼
○	Largest Contentful Paint element — 1 element found	▼
○	Avoid large layout shifts — 1 element found	▼

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (34)

Show



Accessiblilty

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

INTERNATIONALIZATION AND LOCALIZATION

▲	<code><html></code> element does not have a <code>[lang]</code> attribute	▼
---	---	---

These are opportunities to improve the interpretation of your content by users in different locales.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (19)

Show

NOT APPLICABLE (24)

Show



Best Practices

BROWSER COMPATIBILITY

- ▲ Page lacks the HTML doctype, thus triggering quirks-mode **Document must contain a doctype**



TRUST AND SAFETY

- Ensure CSP is effective against XSS attacks



GENERAL

- Detected JavaScript libraries



PASSED AUDITS (12)

Show

NOT APPLICABLE (1)

Show



SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more](#).

MOBILE FRIENDLY

- ▲ Does not have a `<meta name="viewport">` tag with `width` or `initial-scale` **No `<meta name="viewport">` tag found**



Make sure your pages are mobile friendly so users don't have to pinch or zoom in order to read the content pages. [Learn more](#).

CONTENT BEST PRACTICES

▲ Document does not have a meta description



Format your HTML in a way that enables crawlers to better understand your app's content.

CRAWLING AND INDEXING

▲ Links are not crawlable



To appear in search results, crawlers need access to your app.

ADDITIONAL ITEMS TO MANUALLY CHECK (1)

Show

Run these additional validators on your site to check additional SEO best practices.

PASSED AUDITS (6)

Show

NOT APPLICABLE (5)

Show



PWA

These checks validate the aspects of a Progressive Web App. [Learn more.](#)

INSTALLABLE

▲ Web app manifest or service worker do not meet the installability requirements — 1 reason



PWA OPTIMIZED

▲ Does not register a service worker that controls page and `start_url`



▲ Is not configured for a custom splash screen Failures: No manifest was fetched.



▲ Does not set a theme color for the address bar.
Failures: No manifest was fetched, No `<meta name="theme-color">` tag found.



○ Content is sized correctly for the viewport



▲ Does not have a `<meta name="viewport">` tag with `width` or `initial-scale` No `<meta name="viewport">` tag found



▲ Does not provide a valid [apple-touch-icon](#)



▲ Manifest doesn't have a maskable icon **No manifest was fetched**



ADDITIONAL ITEMS TO MANUALLY CHECK (3)

Show

These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

■ Captured at Sep 15, 2022,
1:07 AM GMT+2

■ Initial page load

■ [Emulated Desktop with
Lighthouse 9.6.1](#)

■ [Custom throttling](#)

■ [Single page load](#)

■ [Using Chromium 104.0.0.0
with devtools](#)

Generated by **Lighthouse** 9.6.1 | [File an issue](#)



Performance



Accessiblilty



Best
Practlces



SEO



PWA



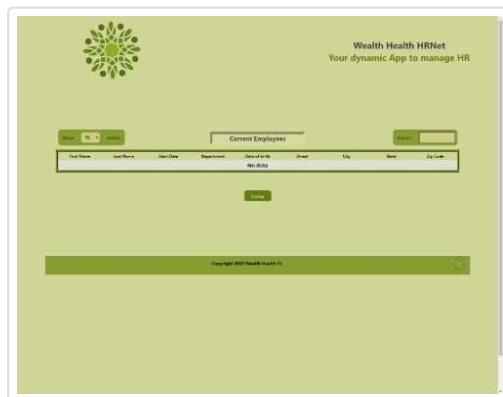
Performance

Values are estimated and may vary. The [performance score is calculated](#) directly from these metrics. [See calculator.](#)

▲ 0–49

50–89

90–100



METRICS

Expand view

First Contentful Paint

0.2 s

Time to Interactive

0.6 s

Speed Index

0.2 s

Total Blocking Time

20 ms

Largest Contentful Paint

0.7 s

Cumulative Layout Shift

0.005

[View Original Trace](#)

 [View Treemap](#)



Show audits relevant to: All [FCP](#) [TBT](#) [LCP](#) [CLS](#)

DIAGNOSTICS

▲ Image elements do not have explicit [width](#) and [height](#)



▲ Serve static assets with an efficient cache policy — 5 resources found



-
- Keep request counts low and transfer sizes small — 6 requests • 495 KiB ▼
 - Largest Contentful Paint element — 1 element found ▼
 - Avoid large layout shifts — 2 elements found ▼
 - Avoid long main-thread tasks — 1 long task found ▼
-

More information about the performance of your application. These numbers don't [directly affect](#) the Performance score.

PASSED AUDITS (34)

Show



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Only a subset of accessibility issues can be automatically detected so manual testing is also encouraged.

ADDITIONAL ITEMS TO MANUALLY CHECK (10)

Show

These items address areas which an automated testing tool cannot cover. Learn more in our guide on [conducting an accessibility review](#).

PASSED AUDITS (18)

Show

NOT APPLICABLE (26)

Show



Best Practices

TRUST AND SAFETY

-
- Ensure CSP is effective against XSS attacks ▼
-

GENERAL

<div><div></div>Detected JavaScript libraries</div>	▼
PASSED AUDITS (13)	Show
NOT APPLICABLE (1)	Show



SEO

These checks ensure that your page is following basic search engine optimization advice. There are many additional factors Lighthouse does not score here that may affect your search ranking, including performance on [Core Web Vitals](#). [Learn more](#).

ADDITIONAL ITEMS TO MANUALLY CHECK (1)	Show
Run these additional validators on your site to check additional SEO best practices.	
PASSED AUDITS (11)	Show
NOT APPLICABLE (3)	Show













PWA

These checks validate the aspects of a Progressive Web App. [Learn more](#).

INSTALLABLE	
<div><div>▲</div>Web app manifest or service worker do not meet the installability requirements — 1 reason</div>	▼



PWA OPTIMIZED



-
-  Does not register a service worker that controls page and [start_url](#) 
-
- Configured for a custom splash screen 
-
- Sets a theme color for the address bar. 
-
-  Content is sized correctly for the viewport 
-
- Has a `<meta name="viewport">` tag with [width](#) or [initial-scale](#) 
-
- Provides a valid [apple-touch-icon](#) 
-
-  Manifest doesn't have a maskable icon 
-



ADDITIONAL ITEMS TO MANUALLY CHECK (3)

Show

These checks are required by the baseline [PWA Checklist](#) but are not automatically checked by Lighthouse. They do not affect your score but it's important that you verify them manually.

 Captured at Sep 15, 2022,
1:12 AM GMT+2
 Initial page load

 [Emulated Desktop with](#)
[Lighthouse 9.6.1](#)
 [Custom throttling](#)

 [Single page load](#)
 [Using Chromium 104.0.0.0](#)
[with devtools](#)

Conclusion:

La version JQuery a des performances de base qui sont bonnes (temps de chargements) mais l'accessibilité, la SEO et bonnes pratiques sont loin des 100%. Après avoir build la version react et lancer en version navigation privée, j'optimise la version React suite aux conseils lighthouse (utilisation debugging, inspection du DOM, console, devtools, optimisation code etc). J'obtiens un score similaire de 100% pour les performances après l'ajout du data fetching at caching Suspense et Lazy de React. Pour obtenir un score de 100% en accessibilité je corrige également les soucis de contraste. On obtient aussi de meilleurs temps de chargement de meilleurs temps concernant les données sur les appels réseaux pendant l'exécution de l'application. J'obtiens donc une version 100% sur tous les critères (Performance, SEO, accessibilité, bonnes pratiques) pour la version REACT sur les deux pages. J'ai détaillé les temps de chargement et les temps des données sur les appels réseaux avant et après dans le rapport.