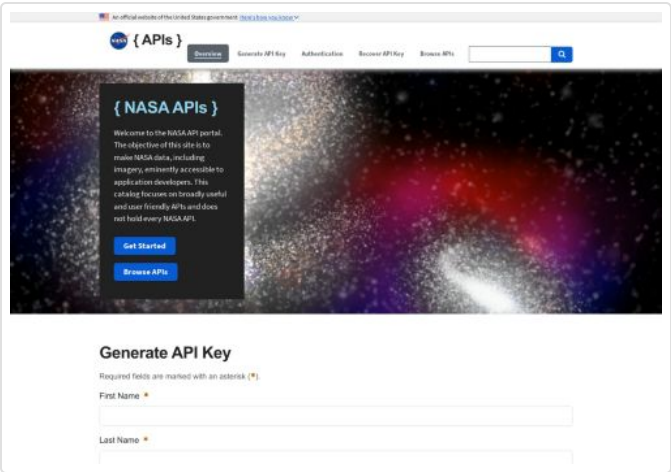


Performance

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

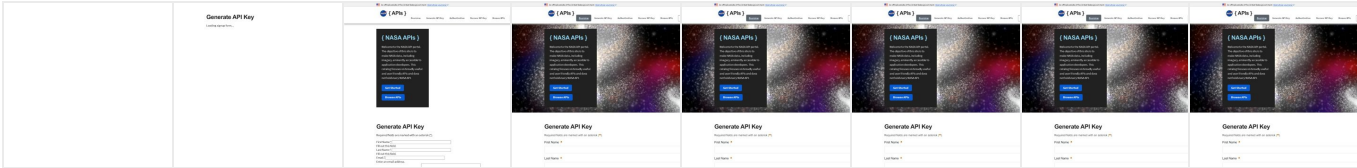


METRICS

Expand view

<div><div></div><div>First Contentful Paint</div><div>0.9 s</div></div>	<div><div></div><div>Largest Contentful Paint</div><div>4.0 s</div></div>
<div><div></div><div>Total Blocking Time</div><div>30 ms</div></div>	<div><div></div><div>Cumulative Layout Shift</div><div>0.312</div></div>
<div><div></div><div>Speed Index</div><div>1.9 s</div></div>	

 [View Treemap](#)



DIAGNOSTICS

Minify JavaScript — Potential savings of 43 KiB



▲ Reduce unused CSS — Potential savings of 62 KiB	▼
▲ Reduce unused JavaScript — Potential savings of 324 KiB	▼
▲ Serve images in next-gen formats — Potential savings of 8,537 KiB	▼
▲ Largest Contentful Paint element — 3,970 ms	▼
▲ Avoid large layout shifts — 5 layout shifts found	▼
■ Eliminate render-blocking resources — Potential savings of 0 ms	▼
■ Properly size images — Potential savings of 32 KiB	▼
■ Defer offscreen images — Potential savings of 225 KiB	▼
■ Preload Largest Contentful Paint image	▼
■ Avoid enormous network payloads — Total size was 11,957 KiB	▼
■ Serve static assets with an efficient cache policy — 37 resources found	▼
■ Avoid an excessive DOM size — 3,055 elements	▼
■ Ensure text remains visible during webfont load	▼
■ Image elements do not have explicit width and height	▼
○ Initial server response time was short — Root document took 60 ms	▼
○ Avoid chaining critical requests — 10 chains found	▼
○ JavaScript execution time — 0.9 s	▼
○ Minimizes main-thread work — 1.5 s	▼
○ Minimize third-party usage — Third-party code blocked the main thread for 70 ms	▼
○ Avoid long main-thread tasks — 4 long tasks found	▼
○ Avoid non-composited animations — 5 animated elements found	▼

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

PASSED AUDITS (15)

Show



Accessibility

These checks highlight opportunities to [improve the accessibility of your web app](#). Automatic detection can only detect a subset of issues and does not guarantee the accessibility of your web app, 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 (24)

Show

NOT APPLICABLE (36)

Show



Best Practices

TRUST AND SAFETY

- ☐ Ensure CSP is effective against XSS attacks

GENERAL

- ☐ Detected JavaScript libraries

PASSED AUDITS (14)

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 about Google Search Essentials](#).

CONTENT BEST PRACTICES

- ☒ Document does not have a meta description
- ☒ Links do not have descriptive text — 1 link found

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 (8)

Show

NOT APPLICABLE (4)

Show

As per [Chrome’s updated Installability Criteria](#), Lighthouse will be deprecating the PWA category in a future release. Please refer to the [updated PWA documentation](#) for future PWA testing.



PWA

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

INSTALLABLE

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

PWA OPTIMIZED

- 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

▼

●

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

▼

▲

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 Mar 18, 2024, 11:29 PM PDT

🖥️

Emulated Desktop with Lighthouse 11.5.0

🔗

Single page session

🕒

Initial page load

🚦

Unknown

🏠

Using HeadlessChromium 122.0.6261.94 with Ir
- Generated by **Lighthouse** 11.5.0 | [File an issue](#)
- file:///Users/aleksandrliuk/Downloads/api.nasa.gov_2024-03-18_23-29-35.html

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