

Document doesn't have a valid hreflang

Overview

If you serve different content based on a user's language or region, use `hreflang` links to ensure that search engines serve the correct content for that language or region.

Recommendations

Define an `hreflang` link for each language version of a URL. Lighthouse flags in your report any incorrect `hreflang` links that it has found.

Suppose that you have 3 versions of a page:

- An English version at `https://example.com`
- A Spanish version at `https://es.example.com`
- A German version at `https://de.example.com`

Tell search engines that these pages are equivalent by adding `link` elements to the head of your HTML:

```
<link rel="alternate" hreflang="en" href="https://example.com" />  
<link rel="alternate" hreflang="es" href="https://es.example.com" />  
<link rel="alternate" hreflang="de" href="https://de.example.com" />
```



Or by adding `Link` headers to your HTTP response:

```
Link: <https://example.com>; rel="alternate"; hreflang="en", <https://es.example.com>; rel="alternate"; hreflang="es", <https://de.example.com>; rel="alternate"; hreflang="de"
```



Or by adding language version information to your Sitemap.

For pages that allow users to select their language use the `x-default` keyword.

```
<link rel="alternate" href="https://example.com" hreflang="x-default" />
```



Each language page should specify all the different language versions, **including itself**.

Pages must always link to each other. When page A links to page B, page B must also link back to page A, or else search engines may ignore the hreflang links or interpret them incorrectly.

The hreflang value must always specify a language code. The language code must follow [ISO 639-1](#) [↗](#) format. The hreflang value can also include an optional regional code. For example, en-ie is for English speakers in Ireland, whereas es-ie is for Spanish speakers in Ireland. The region code must follow [ISO 3166-1 alpha-2](#) [↗](#) format.

Source:

- [Use hreflang for language and regional URLs](#) [↗](#)

More information

Lighthouse only checks for valid language codes. It does not check for valid region codes.

Lighthouse checks for hreflang links in the page's head and in its response headers. Lighthouse does not check your Sitemap.

[Audit source](#) [↗](#)

Feedback

Was this page helpful?

YES

NO

Great! Thank you for the feedback.

Sorry to hear that. Please [open an issue](#) and tell us how we can improve.

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