# Avoids Mutation Events In Its Own Scripts

## Overview

The following mutation events harm performance and are deprecated in the DOM events spec:

- DOMAttrModified
- DOMAttributeNameChanged
- DOMCharacterDataModified
- DOMElementNameChanged
- DOMNodeInserted
- DOMNodeInsertedIntoDocument
- DOMNodeRemoved
- DOMNodeRemovedFromDocument
- DOMSubtreeModified

## Recommendations

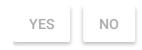
Under **URLs**, Lighthouse reports each mutation event listener that it found in your code. Replace each of these mutation events with a **MutationObserver**. See <u>MutationObserver</u> on MDN for more help.

# More information

Lighthouse collects all of the event listeners on the page, and flags any listener that uses one of the types listed above.

## Feedback

Was this page helpful?



Great! Thank you for the feedback.

Sorry to hear that. Please open an issue and tell us how we can improve.

Except as otherwise noted, the content of this page is licensed under the <u>Creative Commons Attribution 3.0</u>
<u>License</u>, and code samples are licensed under the <u>Apache 2.0 License</u>. For details, see our <u>Site Policies</u>. Java is a registered trademark of Oracle and/or its affiliates.

Last updated July 24, 2018.