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[Bug]: DOM reconstruction may execute unintended scripts #1817

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rotemreiss opened 18 hours ago

[Contributor](#)

Preflight Checklist

- I have searched the [issue tracker](#) for a bug report that matches the one I want to file, without success.

What package is this bug report for?

rrweb-snapshot

Version

1.0.0, <= 2.0.0-alpha.18

Expected Behavior

Description

The `rebuild` method in **rrweb-snapshot** does not sufficiently sanitize snapshot data before reconstructing the DOM. This means that crafted content within a recorded session can cause unintended script execution when the session is replayed.

Affected Versions

`rrweb-snapshot` `>= 1.0.0`, `<= 2.0.0-alpha.18` — no fixed version is available at the time of writing.

Suggested Fix

Rendering the reconstructed DOM inside a **sandboxed iframe** (using the `sandbox` attribute) isolates the replayed content and prevents unintended scripts from running in the parent document's context.

If you are using rrweb in your application, **please ensure session replays are rendered inside a properly sandboxed iframe** until an official fix is released.

Additional Context

I discovered this behavior approximately a year ago and reached out to the maintainers multiple times. The communication was acknowledged, but no fix has been provided or published as of today.

I also identified this issue in several real-world services that use rrweb for session replay. Their security teams were notified and have successfully remediated it by adjusting how they integrate rrweb in their applications.

A proof-of-concept is not being shared at this time to give the maintainers an opportunity to release a proper fix.

A CVE ID has been assigned for this issue ([CVE-2025-45806](#)) and is pending publication.

Actual Behavior

N/A

Steps to Reproduce

N/A

Testcase Gist URL

No response

Additional Information

No response



rotemreiss added bug [18 hours ago](#)

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Metadata

Assignees

No one assigned

Labels

bug

Type

No type

Projects

No projects


Milestone

No milestone

Relationships

None yet

Development

 Code with agent mode

No branches or pull requests

Participants



