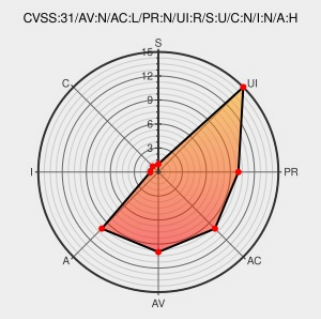
CVE-2019-7154

Published on: 01/28/2019 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:52 PM UTC

CVE-2019-7154

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Binaryen from Webassembly contain the following vulnerability:

The main function in tools/wasm2js.cpp in Binaryen 1.38.22 has a heap-based buffer overflow because Emscripten is misused, triggering an error in cashew::JSPrinter::printAst() in emscripten-optimizer/simple_ast.h. A crafted input can cause segmentation faults, leading to denial-of-service, as demonstrated by wasm2js.

CVE-2019-7154 has been assigned by cve@mitre.org to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 6.5 - MEDIUM

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	NONE	NONE	HIGH

CVSS2 Score: 4.3 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
A Heap-buffer-overflow problem was discovered in cashew::JSPrinter::printAst() function in simple_ast.h · Issue #1876 · WebAssembly/binaryen · GitHub	Exploit, Patch, Third Party Advisory	MISC github.com/WebAssembly/binaryen/issues/1876

github.com
text/html

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Webassembly	Binaryen	All	All	All	All
Application	Webassembly	Binaryen	All	All	All	All

cpe:2.3:a:webassembly:binaryen:*:*:*:*:*:*:*:*:

cpe:2.3:a:webassembly:binaryen:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→

CVE.report and Source URL Uptime Status status.cve.report