CVE-2019-7152

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CVE-2019-7152

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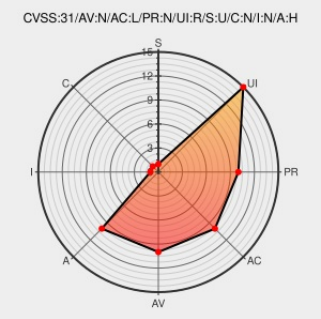

Certain versions of Binaryen from Webassembly contain the following vulnerability:

A heap-based buffer over-read was discovered in wasm::WasmBinaryBuilder::processFunctions() in wasm/wasm-binary.cpp (when calling wasm::WasmBinaryBuilder::getFunctionIndexName) in Binaryen 1.38.22. A crafted input can cause segmentation faults, leading to denial-of-service, as demonstrated by wasm-opt.

CVE-2019-7152 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 WasmBinaryBuilder::getFunctionIndexName(unsigned int) · Issue	Exploit Patch	MISC github.com/WebAssembly/binaryen/issues/1880

#1880 · WebAssembly/binaryen · GitHub

Third Party Advisory
github.com
text/html

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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

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