



CVE-2018-16764

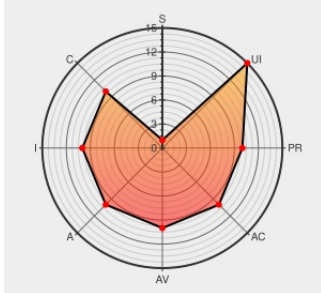
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[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

CVSS:30/AV:N/AC:L/PR:N/UI:R/S:U/C:H/I:H/A:H



Certain versions of [Webassembly Virtual Machine](#) from [Webassembly Virtual Machine Project](#) contain the following vulnerability:

In WAVM through 2018-07-26, a crafted file sent to the WebAssembly Virtual Machine may cause a denial of service (application crash) or possibly have unspecified other impact because of an IR::FunctionValidationContext::catch_all heap-based buffer over-read.

CVE-2018-16764 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **8.8 - HIGH**

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

CVSS2 Score: **6.8 - MEDIUM**

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

CVE References

Description	Tags	Link
IR::FunctionValidationContext::catch_all(IR::Nolmm) heap-buffer-overflow parsing running wasm file causing crash · Issue #93 · WAVM/WAVM · GitHub	Exploit Issue Tracking Patch Third Party Advisory github.com	MISC github.com/AndrewScheidecker/WAVM/issues/93

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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 Virtual Machine Project	Webassembly Virtual Machine	All	All	All	All
cpe:2.3:a:webassembly_virtual_machine_project:webassembly_virtual_machine:*****::						

No vendor comments have been submitted for this CVE

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