



WebAssembly Binaryen BrOn wasm-ir-builder.cpp makeBrOn assertion

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2026-8257
State	PUBLISHED
Assigner	VulDB
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-11 02:16:27 UTC
Updated	2026-05-11 02:16:27 UTC
Description	A vulnerability was detected in WebAssembly Binaryen up to 117. This issue affects the function IRBuilder::makeBrOn of th

Risk And Classification

Primary CVSS: v4.0 1.9 LOW from cna@vulldb.com

CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Problem Types: CWE-617 | CWE-617 Reachable Assertion

Version	Source	Type	Score	Severity	Vector
4.0	cna@vulldb.com	Secondary	1.9	LOW	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:P/C...
4.0	CNA	DECLARED	4.8	MEDIUM	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:P
3.1	cna@vulldb.com	Primary	3.3	LOW	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:L
3.1	CNA	DECLARED	3.3	LOW	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:L/E:P/RL:O/RC:C
3.0	CNA	DECLARED	3.3	LOW	CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:L/E:P/RL:O/RC:C
2.0	cna@vulldb.com	Secondary	1.7		AV:L/AC:L/Au:S/C:N/I:N/A:P
2.0	CNA	DECLARED	1.7		AV:L/AC:L/Au:S/C:N/I:N/A:P/E:POC/RL:OF/RC:C

CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

None

Privileges Required

Low

User Interaction

None

Confidentiality

None

Integrity

None

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:P/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MS:C:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

Low

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:L

CVSS v3.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

Low

CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:L/E:P/RL:O/RC:C

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	WebAssembly	Binaryen	affected 117	Not specified

References

Reference	Source	Link	Tags
github.com/WebAssembly/binaryen	cna@vuldb.com	github.com	
github.com/WebAssembly/binaryen/issues/8633	cna@vuldb.com	github.com	
vuldb.com/vuln/362554	cna@vuldb.com	vuldb.com	
github.com/WebAssembly/binaryen/commit/1251efbc1ea471c1311d2726b2bbe061f...	cna@vuldb.com	github.com	
github.com/HackC0der/CVE-Repos/blob/main/wasm-binaryen/Assertion_Failure...	cna@vuldb.com	github.com	
vuldb.com/submit/809552	cna@vuldb.com	vuldb.com	
vuldb.com/vuln/362554/cti	cna@vuldb.com	vuldb.com	
github.com/WebAssembly/binaryen/pull/8635	cna@vuldb.com	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analysis

Vendor Comments And Credit

Discovery Credit

CNA: pwn3rd (VulDB User) (en)

Additional Advisory Data

Source	Time	Event
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CNA	2026-05-10T00:00:00.000Z	Advisory disclosed
CNA	2026-05-10T02:00:00.000Z	VulDB entry created
CNA	2026-05-10T17:02:16.000Z	VulDB entry last update

There are currently no legacy QID mappings associated with this CVE.

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