



WebAssembly Binaryen IRBuilder wasm-ir-builder.cpp makeLocalTee null pointer dereference

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2025-14957 |
| State | PUBLISHED |
| Assigner | VulDB |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2025-12-19 17:15:51 UTC |
| Updated | 2026-04-29 01:00:01 UTC |
| Description | A vulnerability was identified in WebAssembly Binaryen up to 125. This affects the function IRBuilder::makeLocalGet/IRBuil |

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-404 | CWE-476 | CWE-476 NULL Pointer Dereference | CWE-404 Denial of Service

| 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 | nvd@nist.gov | Primary | 5.5 | MEDIUM | CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H |
| 3.1 | cna@vulldb.com | Secondary | 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:O/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

High

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

CVSS v3.0 Breakdown

Attack Vector

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

NVD Known Affected Configurations (CPE 2.3)

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

Vendor Declared Affected Products

| Source | Vendor | Product | Version | Platforms |
|--------|-------------|----------|--------------|---------------|
| CNA | WebAssembly | Binaryen | affected 125 | Not specified |

References

| Reference | Source | Link | Tags |
|---|---------------|--------------|----------------------|
| vuldb.com | cna@vuldb.com | vuldb.com | Third Party Advisor |
| github.com/WebAssembly/binaryen/commit/6fb2b917a79578ab44cf3b900a6da4c27... | cna@vuldb.com | github.com | Patch |
| github.com/WebAssembly/binaryen | cna@vuldb.com | github.com | |
| github.com/WebAssembly/binaryen/issues/8090 | cna@vuldb.com | github.com | Exploit, Issue Track |
| vuldb.com | cna@vuldb.com | vuldb.com | Third Party Advisor |
| vuldb.com | cna@vuldb.com | vuldb.com | Permissions Requi |
| github.com/WebAssembly/binaryen/pull/8099 | cna@vuldb.com | github.com | Issue Tracking |
| vuldb.com | cna@vuldb.com | vuldb.com | Third Party Advisor |
| github.com/oneafter/1204/blob/main/af1 | cna@vuldb.com | github.com | Not Applicable |
| 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: Oneafter (VulDB User) (en)

Additional Advisory Data

| Source | Time | Event |
|--------|--------------------------|-------------------------|
| CNA | 2025-12-19T00:00:00.000Z | Advisory disclosed |
| CNA | 2025-12-19T01:00:00.000Z | VulDB entry created |
| CNA | 2025-12-30T20:37:02.000Z | VulDB entry last update |

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

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