mruby array.c sort_cmp use after free

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2025-13120
State	PUBLISHED
Assigner	VulDB
Source Priority	CVE Program / NVD first with legacy fallback
Published	2025-11-13 16:15:51 UTC
Updated	2026-04-29 01:00:01 UTC
Description	A vulnerability has been found in mruby up to 3.4.0. This vulnerability affects the function sort_cmp of the file src/array.c. Su

Risk And Classification

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

CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:L/VI:L/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/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Problem Types: CWE-119 | CWE-416 | CWE-416 Use After Free | CWE-119 Memory Corruption

Version	Source	Type	Score	Severity	Vector
4.0	cna@vuldb.com	Secondary	1.9	LOW	CVSS:4.0/AV:L/AC:L/AT:N/PR:L/UI:N/VC:L/VI:L/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:L/VI:L/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@vuldb.com	Secondary	5.3	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:L/A:L
3.1	CNA	DECLARED	5.3	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:L/A:L/E:P/RL:O/RC:C
3.0	CNA	DECLARED	5.3	MEDIUM	CVSS:3.0/AV:L/AC:L/PR:L/UI:N/S:U/C:L/I:L/A:L/E:P/RL:O/RC:C
2.0	cna@vuldb.com	Secondary	4.3		AV:L/AC:L/Au:S/C:P/I:P/A:P
2.0	CNA	DECLARED	4.3		AV:L/AC:L/Au:S/C:P/I:P/A:P/E:POC/RL:OF/RC:C

CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

Low

Attack Requirements

Attack Requirements

None

Privileges Required

Low

User Interaction

None

Confidentiality

Low

Integrity

Low

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:L/VI:L/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/MSC: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

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

Low

Availability

Low

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Mruby	Mruby	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	Mruby	affected 3.0	Not specified
CNA	Na	Mruby	affected 3.1	Not specified
CNA	Na	Mruby	affected 3.2	Not specified
CNA	Na	Mruby	affected 3.3	Not specified
CNA	Na	Mruby	affected 3.4.0	Not specified

References

Reference	Source	Link	Tags
github.com/mruby/mruby	cna@vuldb.com	github.com	
github.com/mruby/mruby/commit/eb398971bfb43c38db3e04528b68ac9a7ce509bc	cna@vuldb.com	github.com	Patch
vuldb.com	cna@vuldb.com	vuldb.com	Third Party Advisory,
vuldb.com	cna@vuldb.com	vuldb.com	Permissions Required
github.com/makesoftwaresafe/mruby/pull/263	cna@vuldb.com	github.com	Issue Tracking
vuldb.com	cna@vuldb.com	vuldb.com	Third Party Advisory,
github.com/mruby/mruby/issues/6649	cna@vuldb.com	github.com	Issue Tracking, Vendo
github.com/mruby/mruby/issues/6649	cna@vuldb.com	github.com	Issue Tracking, Vendo
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: tjbecker (VulDB User) (en)

Additional Advisory Data

Source	Time	Event
CNA	2025-11-13T00:00:00.000Z	Advisory disclosed
CNA	2025-11-13T01:00:00.000Z	VulDB entry created
CNA	2025-12-05T15:17:04.000Z	VulDB entry last update

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