



CVE-2021-46023

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CVE-2021-46023

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

Certain versions of [Mruby](#) from [Mruby](#) contain the following vulnerability:

An Untrusted Pointer Dereference was discovered in function `mrb_vm_exec` in `mruby` before 3.1.0-rc. The vulnerability causes a segmentation fault and application crash.

CVE-2021-46023 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7.5 - HIGH**

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

CVE References

Description	Tags	Link
Untrusted Pointer Dereference in <code>mrb_vm_exec()</code> · Issue #5613 · mruby/mruby · GitHub	github.com text/html	MISC github.com/mruby/mruby/issues/5613

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Related QID Numbers

- [184107](#) Debian Security Update for `mruby` (CVE-2021-46023)
- [905621](#) Common Base Linux Mariner (CBL-Mariner) Security Update for `rust` (13686)
- [905624](#) Common Base Linux Mariner (CBL-Mariner) Security Update for `nghttp2` (13683)

[905624](#) Common Base Linux Mariner (CBL-Mariner) Security Update for ntpd (13663)

[905626](#) Common Base Linux Mariner (CBL-Mariner) Security Update for rust (13680)

Exploit/POC from Github

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Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Mruby	Mruby	All	All	All	All
cpe:2.3:a:mruby:mruby:*:*:*:*:ruby:*:*:						

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2021-46023 : An Untrusted Pointer Dereference was discovered in function mrb_vm_exec in mruby before 3.1.0-rc.... twitter.com/i/web/status/1...	2023-02-14 16:07:10
 /r/netcve	CVE-2021-46023	2023-02-14 17:38:44

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