

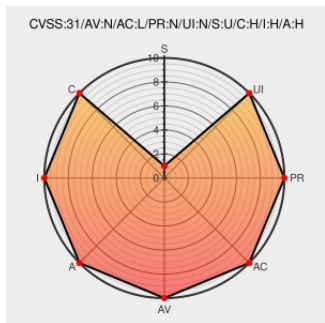


CVE-2021-28834

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CVE-2021-28834

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

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

Kramdown before 2.3.1 does not restrict Rouge formatters to the Rouge::Formatters namespace, and thus arbitrary classes can be instantiated.

CVE-2021-28834 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	NONE
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
No Description Provided	lists.fedoraproject.org	FEDORA FEDORA-2021-4c57a892d1
	Inactive Link Not Archived	
Debian -- Security Information -- DSA-	www.debian.org	DEBIAN DSA-4890

4890-1 ruby-kramdown	Depreciated Link text/html	
Restrict Rouge formatters to Rouge::Formatters namespace by stanhu · Pull Request #708 · gettalong/kramdown · GitHub	github.com text/html	MISC github.com/gettalong/kramdown/pull/708
[SECURITY] Fedora 32 Update: rubygem-kramdown-2.1.0-5.fc32 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2021-edc673e864
Comparing REL_2_3_0...REL_2_3_1 · gettalong/kramdown · GitHub	github.com text/html	MISC github.com/gettalong/kramdown/compare/REL_2_3_0...REL_2_3_1
Patch Kramdown syntax highlighter gem (179329b5) · Commits · GitLab.org / GitLab · GitLab	gitlab.com text/html	MISC gitlab.com/gitlab-org/gitlab/-/commit/179329b5c3c118924fb242dc449d06b4ed6ccb66
[SECURITY] Fedora 34 Update: rubygem-kramdown-2.3.1-1.fc34 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2021-139a6a2f9d

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Related QID Numbers

- [178532](#) Debian Security Update for ruby-kramdown (DSA 4890-1)
- [179925](#) Debian Security Update for ruby-kramdown (CVE-2021-28834)
- [199819](#) Ubuntu Security Notification for kramdown Vulnerability (USN-6424-1)
- [281442](#) Fedora Security Update for rubygem (FEDORA-2021-139a6a2f9d)
- [281443](#) Fedora Security Update for rubygem (FEDORA-2021-edc673e864)
- [281444](#) Fedora Security Update for rubygem (FEDORA-2021-4c57a892d1)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Fedoraproject	Fedora	32	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Application	Kramdown Project	Kramdown	All	All	All	All

cpe:2.3:o:debian:debian_linux:10.0:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:32:*:*:*:*:*:
cpe:2.3:o:fedoraproject:fedora:33:*:*:*:*:*:
cpe:2.3:o:fedoraproject:fedora:34:*:*:*:*:*:
cpe:2.3:a:kramdown_project:kramdown:*:*:*:*:ruby:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
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