CVE-2021-21289

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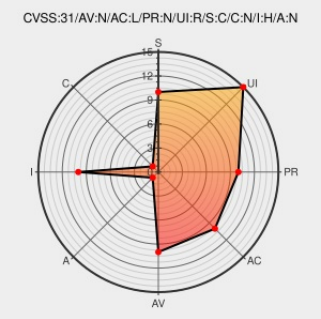
CVE-2021-21289 - advisory for GHSA-qrqm-fpv6-6r8g

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Debian Linux from Debian contain the following vulnerability:

Mechanize is an open-source ruby library that makes automated web interaction easy. In Mechanize from version 2.0.0 and before version 2.7.7 there is a command injection vulnerability. Affected versions of mechanize allow for OS commands to be injected using several classes' methods which implicitly use Ruby's Kernel.open method. Exploitation is possible only if untrusted input is used as a local filename and passed to any of these calls: Mechanize::CookieJar#load, Mechanize::CookieJar#save_as, Mechanize#download, Mechanize::Download#save, Mechanize::File#save, and Mechanize::FileResponse#read_body. This is fixed in version 2.7.7.

CVE-2021-21289 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **sparklemotion** - **mechanize** version **>= 2.0, < 2.7.7**

CVSS3 Score: 8.3 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	HIGH	NONE	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
CHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 7.6 - HIGH

Access Vector	Access Complexity	Authentication
NETWORK	HIGH	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
[SECURITY] [DLA 2561-1] ruby-mechanize security update	Mailing List Third Party Advisory lists.debian.org text/html	MLIST [debian-lts-announce] 20210216 [SECURITY] [DLA 2561-1] ruby-me security update
Merge pull request #548 from kyoshidajp/fix_command_injection · sparklemotion/mechanize@66a6a1b · GitHub	Patch Third Party Advisory github.com text/html	MISC github.com/sparklemotion/mechanize/commit/66a6a1bfa653a5f13274a396a5e5
Command Injection Vulnerability · Advisory · sparklemotion/mechanize · GitHub	Third Party Advisory github.com text/html	CONFIRM github.com/sparklemotion/mechanize/security/advisories/GHSA-c
Release 2.7.7 / 2021-02-01 · sparklemotion/mechanize · GitHub	Release Notes Third Party Advisory github.com text/html	MISC github.com/sparklemotion/mechanize/releases/tag/v2.7.7
Mechanize: Command injection (GLSA 202107-17) — Gentoo security	security.gentoo.org text/html	GENTOO GLSA-202107-17
[SECURITY] Fedora 32 Update: rubygem-mechanize-2.7.7-1.fc32 - package-announce - Fedora Mailing-Lists	Mailing List Third Party Advisory lists.fedoraproject.org text/html	FEDORA FEDORA-2021-24fdc228e4
[SECURITY] Fedora 33 Update: rubygem-mechanize-2.7.7-1.fc33 - package-announce - Fedora Mailing-Lists	Mailing List Third Party Advisory lists.fedoraproject.org text/html	FEDORA FEDORA-2021-db8ebc547e
mechanize | RubyGems.org | your community gem host	Product Third Party Advisory rubygems.org text/html	MISC rubygems.org/gems/mechanize/

Related QID Numbers

180101 Debian Security Update for ruby-mechanize (CVE-2021-21289)

710059 Gentoo Linux Mechanize Command injection (GLSA 202107-17)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All

Operating System	Fedoraproject	Fedora	32	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	32	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Application	Mechanize Project	Mechanize	All	All	All	All
Application	Mechanize Project	Mechanize	All	All	All	All

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*:

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:32:*:*:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:33:*:*:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:32:*:*:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:33:*:*:*:*:*:*:*:

cpe:2.3:a:mechanize_project:mechanize:*:*:*:*:*:ruby:*:*:

cpe:2.3:a:mechanize_project:mechanize:*:*:*:*:*:ruby:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@LinInfoSec	Ruby - CVE-2021-21289: rubygems.org/gems/mechanize/	2021-07-08 10:46:16
@RemotelyAlerts	Severity: ??? | Mechanize is an open-source ruby library... | CVE-2021-21289 | Link for more: alerts.remotelyrmm.com/CVE-2021-21289	2022-04-26 16:30:34
@LinInfoSec	Ruby - CVE-2021-21289: rubygems.org/gems/mechanize/	2022-04-26 18:05:17

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CVE.report and Source URL Uptime Status status.cve.report