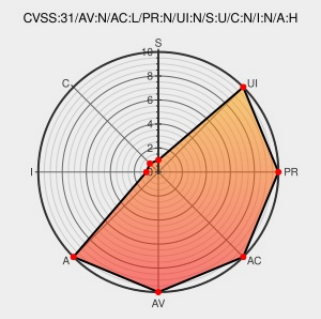
CVE-2021-29063

Published on: 06/21/2021 12:00:00 AM UTC

Last Modified on: 11/07/2023 03:32:00 AM UTC

CVE-2021-29063

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



Certain versions of Fedora from Fedoraproject contain the following vulnerability:

A Regular Expression Denial of Service (ReDOS) vulnerability was discovered in Mpmath v1.0.0 through v1.2.1 when the mpmathify function is called.

CVE-2021-29063 has been assigned by 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

CVSS2 Score: 5 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
[SECURITY] Fedora 34 Update: python-mpmath-1.2.1-2.fc34 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org, text/html	FEDORA FEDORA-2021-244a18163c

hosted-git-info - npm	www.npmjs.com text/html	MISC www.npmjs.com/package/hosted-git-info
[SECURITY] Fedora 35 Update: python-mpmath-1.2.1-2.fc35 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2021-bc2153d8f0
PoCs/Mpmath.md at main · yetingli/PoCs · GitHub	github.com text/html	MISC github.com/yetingli/PoCs/blob/main/CVE-2021-29063/Mpmath.md
[SECURITY] Fedora 33 Update: python-mpmath-1.1.0-13.fc33 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	FEDORA FEDORA-2021-fc30c0de34
Merge pull request #570 from vks/fix-redos · fredrik-johansson/mpmath@46d44c3 · GitHub	github.com text/html	MISC github.com/fredrik-johansson/mpmath/commit/46d44c3c8f3244017fe1eb102d564eb4ab8ef750
SaveResults/hosted-git-info.js at main · yetingli/SaveResults · GitHub	github.com text/html	MISC github.com/yetingli/SaveResults/blob/main/js/hosted-git-info.js
simplify the regular expression for shortcut matching by nlf · Pull Request #76 · npm/hosted-git-info · GitHub	github.com text/html	MISC github.com/npm/hosted-git-info/pull/76
Release 1.3.0 · mpmath/mpmath · GitHub	github.com text/html	CONFIRM github.com/mpmath/mpmath/releases/tag/1.3.0

Related QID Numbers

184138 Debian Security Update for mpmath (CVE-2021-29063)

281963 Fedora Security Update for python (FEDORA-2021-fc30c0de34)

281964 Fedora Security Update for python (FEDORA-2021-244a18163c)

980091 Python (pip) Security Update for mpmath (GHSA-f865-m6cq-j9vx)

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
Operating System	Fedoraproject	Fedora	35	All	All	All
Application	Mpmath	Mpmath	1.0.0	All	All	All
Application	Mpmath	Mpmath	All	All	All	All

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

cpe:2.3:o:fedoraproject:fedora:34:*:*:*:*:*:*:*:

cpe:2.3:o:fedoraproject:fedora:35:*:*:*:*:*:*:*:

cpe:2.3:a:mpmath:mpmath:1.0.0:*:*:*:*:*:*:*:

cpe:2.3:a:mpmath:mpmath:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
@CVEreport	CVE-2021-29063 : A Regular Expression Denial of Service ReDOS vulnerability was discovered in Mpmath v1.0.0 when… twitter.com/i/web/status/1…	2021-06-21 20:06:03
/r/netcve	CVE-2021-29063	2021-06-21 20:41:34

← Previous ID

Next ID→