



CVE-2022-31117

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CVE-2022-31117 - advisory for GHSA-fm67-cv37-96ff

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

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CVSS:31/AV:N/AC:H/PR:N/UI:N/S:U/C:N/I:N/A:H



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

UltraJSON is a fast JSON encoder and decoder written in pure C with bindings for Python 3.7+. In versions prior to 5.4.0 an error occurring while reallocating a buffer for string decoding can cause the buffer to get freed twice. Due to how UltraJSON uses the internal decoder, this double free is impossible to trigger from Python. This issue has been

resolved in version 5.4.0 and all users should upgrade to UltraJSON 5.4.0. There are no known workarounds for this issue.

CVE-2022-31117 has been assigned by security-advisories@github.com to track the vulnerability - currently rated as **MEDIUM** severity.

Affected Vendor/Software: **ultrajson** - **ultrajson** version < 5.4.0





CVSS3 Score: **5.9 - MEDIUM**

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

CVSS2 Score: **4.3 - MEDIUM**

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
[SECURITY] Fedora 36 Update: python-ujson-5.4.0-1.fc36 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	 FEDORA FEDORA-2022-1b2b8d5177
Potential double free of buffer during string decoding · Advisory · ultrajson/ultrajson · GitHub	github.com text/html	 CONFIRM github.com/ultrajson/ultrajson/security/advisories/GHSA-fm67-cv37-96ff
Merge pull request from GHSA-fm67-cv37-96ff · ultrajson/ultrajson@9c20de0 · GitHub	github.com text/html	 MISC github.com/ultrajson/ultrajson/commit/9c20de0f77b391093967e25d01fb48671104b15b
[SECURITY] Fedora 35 Update: python-ujson-5.4.0-1.fc35 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	 FEDORA FEDORA-2022-33e816bc37

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Related QID Numbers

- [183080 Debian Security Update for ujson \(CVE-2022-31117\)](#)
- [240971 Red Hat Update for OpenStack Platform 16.2.4 \(RHSA-2022:8850\)](#)
- [240977 Red Hat Update for OpenStack Platform 16.1.9 \(RHSA-2022:8864\)](#)
- [282967 Fedora Security Update for python \(FEDORA-2022-1b2b8d5177\)](#)
- [283003 Fedora Security Update for python \(FEDORA-2022-33e816bc37\)](#)
- [502411 Alpine Linux Security Update for py3-ujson](#)
- [753304 SUSE Enterprise Linux Security Update for python-ujson \(SUSE-SU-2022:2673-1\)](#)

Exploit/POC from Github

This repository contains a collection of data files on known Common Vulnerabilities and Exposures (CVEs). Each file i...

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Fedoraproject	Fedora	35	All	All	All
Operating System	Fedoraproject	Fedora	36	All	All	All
Application	Ultrajson Project	Ultrajson	All	All	All	All

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

cpe:2.3:o:fedoraproject:fedora:36:*:*:*:*:*:

cpe:2.3:a:ultrajson_project:ultrajson:*:*:*:*:python:*:*:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
 @CVEreport	CVE-2022-31117 : UltraJSON is a fast JSON encoder and decoder written in pure C with bindings for Python 3.7+. In v... twitter.com/i/web/status/1...	2022-07-05 17:35:09
 @LinInfoSec	Python - CVE-2022-31117: github.com/ultrajson/ultr...	2022-07-05 21:01:04
 /r/netcve	CVE-2022-31117	2022-07-05 18:38:10

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