



The expat and elementtree parsers use insufficient entropy for XML hash-flooding protection

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2026-7210
State	PUBLISHED
Assigner	PSF
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-05-11 18:16:42 UTC
Updated	2026-05-12 14:20:56 UTC
Description	`xml.parsers.expat` and `xml.etree.ElementTree` use insufficient entropy for Expat hash-flooding protection, which allows a

Risk And Classification

Primary CVSS: v4.0 6.3 MEDIUM from cna@python.org

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.000450000 probability, percentile 0.139240000 (date 2026-05-12)

Problem Types: CWE-331 | CWE-331 CWE-331 Insufficient entropy

Version	Source	Type	Score	Severity	Vector
4.0	cna@python.org	Secondary	6.3	MEDIUM	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:X/C...
4.0	CNA	CVSS	6.3	MEDIUM	CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Attack Requirements

None

Privileges Required

None

User Interaction

None

Confidentiality

Confidentiality

None

Integrity

None

Availability

Low

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:H/AT:N/PR:N/UI:N/VC:N/VI:N/VA:L/SC:N/SI:N/SA:N/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSX/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Python Software Foundation	CPython	affected 3.15.0 python	Not specified

References

Reference	Source	Link
mail.python.org/archives/list/security-announce@python.org/thread/PNY5OMB2PM2...	cna@python.org	mail.py
www.openwall.com/lists/oss-security/2026/05/11/13	af854a3a-2127-422b-91ae-364da2661108	www.o
github.com/python/cpython/pull/149023	cna@python.org	github.
www.openwall.com/lists/oss-security/2026/05/11/8	af854a3a-2127-422b-91ae-364da2661108	www.o
github.com/python/cpython/issues/149018	cna@python.org	github.
CVE Program record	CVE.ORG	www.c
NVD vulnerability detail	NVD	nvd.nis

Vendor Comments And Credit

Discovery Credit

CNA: Stan Ulbrich (<https://github.com/StanFromIreland>) (en)

CNA: Gregory P. Smith (<https://github.com/gpshead>) (en)

There are currently no legacy QID mappings associated with this CVE.

this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API [cve.report/api](#)

CVE.report and Source URL Uptime Status [status.cve.report](#)