tarfile: Skip DIRTYPE normalization during GNU LONGNAME/LONGLINK handling

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

Summary

CVE	CVE-2025-13462
State	PUBLISHED
Assigner	PSF
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-03-12 18:16:21 UTC
Updated	2026-05-01 16:16:28 UTC
Description	The "tarfile" module would still apply normalization of AREGTYPE (\x00) blocks to DIRTYPE, even while processing a multi

Risk And Classification

Primary CVSS: v4.0 2 LOW from cna@python.org

CVSS:4.0/AV:L/AC:H/AT:P/PR:L/UI:N/VC:N/VI:L/VA:N/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/MSC:X/MSI:X/MSA:X/S:X/AU:X/R:X/V:X/RE:X/U:X

EPSS: 0.000120000 probability, percentile 0.017890000 (date 2026-05-03)

Problem Types: CWE-20 | CWE-74 | CWE-434 | CWE-434 CWE-434 Unrestricted Upload of File with Dangerous Type | CWE-74 CWE-74 Improper Neutralization of Special Elements in Output Used by a Downstream Component ('Injection') | CWE-20 CWE-20 Improper Input Validation

Version	Source	Type	Score	Severity	Vector
4.0	cna@python.org	Secondary	2	LOW	CVSS:4.0/AV:L/AC:H/AT:P/PR:L/UI:N/VC:N/VI:L/VA:N/SC:N/SI:N/SA:N/E:X/C...
4.0	CNA	CVSS	2	LOW	CVSS:4.0/AV:L/AC:H/AT:P/PR:L/UI:N/VC:N/VI:L/VA:N/SC:N/SI:N/SA:N

CVSS v4.0 Breakdown

Attack Vector

Local

Attack Complexity

High

Attack Requirements

Present

Privileges Required

Low

User Interaction

None

Confidentiality

None

Integrity

Low

Availability

None

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:L/AC:H/AT:P/PR:L/UI:N/VC:N/VI:L/VA:N/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/MSC:X/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 3.13.13 python	Not specified
CNA	Python Software Foundation	CPython	affected 3.14.0 3.14.4 python	Not specified
CNA	Python Software Foundation	CPython	affected 3.15.0a1 3.15.0a8 python	Not specified

References

Reference	Source	Link	Tags
mail.python.org/archives/list/security-announce@python.org/thread/EOMI5I66ZMK...	cna@python.org	mail.python.org	
github.com/python/cpython/commit/42d754e34c06e57ad6b8e7f92f32af679912d8ab	cna@python.org	github.com	
github.com/python/cpython/issues/141707	cna@python.org	github.com	
github.com/python/cpython/commit/ae99fe3a33b43e303a05f012815cef60b611a9c7	cna@python.org	github.com	
github.com/python/cpython/pull/143934	cna@python.org	github.com	
github.com/python/cpython/commit/9a23b753552afa28e3a2f4d8863572fc66479406	cna@python.org	github.com	
github.com/python/cpython/commit/72dde1016493c52abe857fc4a7bf6c40138b4114	cna@python.org	github.com	
github.com/python/cpython/commit/7ad3093d76a748af55bdb1d2e8aad3638163b017	cna@python.org	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analys

No vendor comments have been submitted for this CVE.

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

Free CVE JSON API cve.report/api

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