Out-of-bounds write in Windows asyncio.ProacterEventLoop.sock_recvfrom_into() when using nbytes

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

Summary

CVE	CVE-2026-3298
State	PUBLISHED
Assigner	PSF
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-21 15:16:37 UTC
Updated	2026-04-21 21:16:41 UTC
Description	The method "sock_recvfrom_into()" of "asyncio.ProacterEventLoop" (Windows only) was missing a boundary check for the

Risk And Classification

Primary CVSS: v4.0 8.8 HIGH from cna@python.org

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/VA:H/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: 0.000500000 probability, percentile 0.156450000 (date 2026-04-22)

Problem Types: CWE-787 | CWE-787 CWE-787 Out-of-bounds write

Version	Source	Type	Score	Severity	Vector
4.0	cna@python.org	Secondary	8.8	HIGH	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/VA:H/SC:N/SI:N/SA:N/E:X/C...
4.0	CNA	CVSS	8.8	HIGH	CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/VA:H/SC:N/SI:N/SA:N

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

Low

Attack Requirements

None

Privileges Required

None

User Interaction

None

Confidentiality

Low

Integrity

Low

Availability

High

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:L/AT:N/PR:N/UI:N/VC:L/VI:L/VA:H/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 3.11.0 3.15.0 python	Not specified

References

Reference	Source	Link	Tags
github.com/python/cpython/commit/95633d2aad4721e25e4dfd9f43dfb6e1edcbd741	cna@python.org	github.com	
github.com/python/cpython/pull/148809	cna@python.org	github.com	
github.com/python/cpython/issues/148808	cna@python.org	github.com	
github.com/python/cpython/commit/27522b7d6e6588f03e61099dd858cd5a9314e2f2	cna@python.org	github.com	
mail.python.org/archives/list/security-announce@python.org/thread/KWTPIQBOOOU...	cna@python.org	mail.python.org	
github.com/python/cpython/commit/1274766d3c29007ab77245a72abbf8dce2a9db4d	cna@python.org	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, anal

Vendor Comments And Credit

Discovery Credit

CNA: GGAutomaton (https://github.com/GGAutomaton) (en)

CNA: Victor Stinner (https://github.com/vstinner) (en)

CNA: Seth Larson (https://github.com/sethmlarson) (en)

There are currently no legacy OID mappings associated with 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**