Base64 decoding stops at first padded quad by default

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

Summary

CVE	CVE-2026-3446
State	PUBLISHED
Assigner	PSF
Source Priority	CVE Program / NVD first with legacy fallback
Published	2026-04-10 19:16:26 UTC
Updated	2026-04-13 17:16:30 UTC
Description	When calling base64.b64decode() or related functions the decoding process would stop after encountering the first padded

Risk And Classification

Primary CVSS: v4.0 6 MEDIUM from cna@python.org

CVSS:4.0/AV:N/AC:H/AT:P/PR:L/UI:N/VC:N/VI:H/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: 0.000230000 probability, percentile 0.060190000 (date 2026-04-15)

Problem Types: CWE-345 | CWE-345 CWE-345 Insufficient Verification of Data Authenticity

Version	Source	Type	Score	Severity	Vector
4.0	cna@python.org	Secondary	6	MEDIUM	CVSS:4.0/AV:N/AC:H/AT:P/PR:L/UI:N/VC:N/VI:H/VA:N/SC:N/SI:N/SA:N/E:X/C...
4.0	CNA	CVSS	6	MEDIUM	CVSS:4.0/AV:N/AC:H/AT:P/PR:L/UI:N/VC:N/VI:H/VA:N/SC:N/SI:N/SA:N

CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Attack Requirements

Present

Privileges Required

Low

User Interaction

None

Confidentiality

None

Integrity

High

Availability

None

Sub Conf.

None

Sub Integrity

None

Sub Availability

None

CVSS:4.0/AV:N/AC:H/AT:P/PR:L/UI:N/VC:N/VI:H/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
github.com/python/cpython/commit/4561f6418a691b3e89aef0901f53fe0dfb7f7c0e	cna@python.org	github.com	
github.com/python/cpython/issues/145264	cna@python.org	github.com	
github.com/python/cpython/pull/145267	cna@python.org	github.com	
mail.python.org/archives/list/security-announce@python.org/thread/F5ZT5ICGJ6C...	cna@python.org	mail.python.org	
github.com/python/cpython/commit/e31c55121620189a0d1a07b689762d8ca9c1b7fa	cna@python.org	github.com	
github.com/python/cpython/commit/1f9958f909c1b41a4ffc0b613ef8ec8fa5e7c474	cna@python.org	github.com	
CVE Program record	CVE.ORG	www.cve.org	canonical
NVD vulnerability detail	NVD	nvd.nist.gov	canonical, analys

Vendor Comments And Credit

Discovery Credit

CNA: Serhiy Storchaka (en)

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

© CVE.report 2026 |
Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to 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 registred 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