CVE-2016-0772

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

Summary

CVE	CVE-2016-0772
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-09-02 14:59:00 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The smtplib library in CPython (aka Python) before 2.7.12, 3.x before 3.4.5, and 3.5.x before 3.5.2 does not return an error

Risk And Classification

Primary CVSS: v3.0 6.5 MEDIUM from nvd@nist.gov

CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:H/A:N

EPSS: 0.076440000 probability, percentile 0.919240000 (date 2026-05-07)

Problem Types: CWE-693 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	6.5	MEDIUM	CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:H/A:N
2.0	nvd@nist.gov	Primary	5.8		AV:N/AC:M/Au:N/C:P/I:P/A:N

CVSS v3.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

Low

Integrity

High

High

Availability

None

CVSS:3.0/AV:N/AC:H/PR:N/UI:N/S:U/C:L/I:H/A:N

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Medium

Authentication

None

Confidentiality

Partial

Integrity

Partial

Availability

None

AV:N/AC:M/Au:N/C:P/I:P/A:N

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Python	Python	3.0	All	All	All
Application	Python	Python	3.0.1	All	All	All
Application	Python	Python	3.1.0	All	All	All
Application	Python	Python	3.1.1	All	All	All
Application	Python	Python	3.1.2	All	All	All
Application	Python	Python	3.1.3	All	All	All
Application	Python	Python	3.1.4	All	All	All
Application	Python	Python	3.1.5	All	All	All
Application	Python	Python	3.2.0	All	All	All
Application	Python	Python	3.2.1	All	All	All
Application	Python	Python	3.2.2	All	All	All
Application	Python	Python	3.2.3	All	All	All
Application	Python	Python	3.2.4	All	All	All
Application	Python	Python	3.2.5	All	All	All
Application	Python	Python	3.2.6	All	All	All
Application	Python	Python	3.3.0	All	All	All

Application	Python	Python	3.3.1	All	All	All
Application	Python	Python	3.3.2	All	All	All
Application	Python	Python	3.3.3	All	All	All
Application	Python	Python	3.3.4	All	All	All
Application	Python	Python	3.3.5	All	All	All
Application	Python	Python	3.3.6	All	All	All
Application	Python	Python	3.4.0	All	All	All
Application	Python	Python	3.4.1	All	All	All
Application	Python	Python	3.4.2	All	All	All
Application	Python	Python	3.4.3	All	All	All
Application	Python	Python	3.4.4	All	All	All
Application	Python	Python	3.5.0	All	All	All
Application	Python	Python	3.5.1	All	All	All
Application	Python	Python	All	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Source	Link
hg.python.org/cpython/raw-file/v2.7.12/Misc/NEWS	af854a3a-2127-422b-91ae-364da2661108	hg.python.org
Splunk Enterprise 6.4.5 addresses multiple vulnerabilities | Splunk	af854a3a-2127-422b-91ae-364da2661108	www.splunk.c
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.cor
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.cor
cpython: d590114c2394	af854a3a-2127-422b-91ae-364da2661108	hg.python.org
Python: Multiple vulnerabilities (GLSA 201701-18) — Gentoo security	af854a3a-2127-422b-91ae-364da2661108	security.gento
oss-security - Python CVE-2016-0772: smtplib StartTLS stripping attack	af854a3a-2127-422b-91ae-364da2661108	www.openwal
Changelog — Python 3.4.5 documentation	af854a3a-2127-422b-91ae-364da2661108	docs.python.c
cpython: b3ce713fb9be	af854a3a-2127-422b-91ae-364da2661108	hg.python.org
[security-announce] openSUSE-SU-2020:0086-1: important: Security update	af854a3a-2127-422b-91ae-364da2661108	lists.opensuse
Bug 1303647 – CVE-2016-0772 python: smtplib StartTLS stripping attack	af854a3a-2127-422b-91ae-364da2661108	bugzilla.redha
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.cor
Python smtplib CVE-2016-0772 Man in the Middle Security Bypass Vulnerability	af854a3a-2127-422b-91ae-364da2661108	www.securityf
[SECURITY] [DLA 1663-1] python3.4 security update	af854a3a-2127-422b-91ae-364da2661108	lists.debian.or
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.cor

Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da2661108	rhn.redhat.cor
Changelog — Python 3.5.2 documentation	af854a3a-2127-422b-91ae-364da2661108	docs.python.c
Splunk Enterprise 6.5.1 addresses multiple OpenSSL vulnerabilities | Splunk	af854a3a-2127-422b-91ae-364da2661108	www.splunk.c
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

730315 Splunk Enterprise and Light Security Update (SP-CAAAPSV) (SPL-128812)