



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.com
Changelog — Python 3.5.2 documentation	af854a3a-2127-422b-91ae-364da2661108	docs.python.org
Splunk Enterprise 6.5.1 addresses multiple OpenSSL vulnerabilities Splunk	af854a3a-2127-422b-91ae-364da2661108	www.splunk.com
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)

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