CVE-2013-2099

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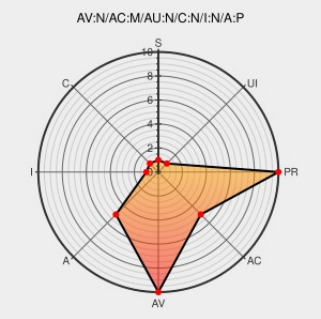
CVE-2013-2099

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ubuntu Linux from Canonical contain the following vulnerability:

Algorithmic complexity vulnerability in the ssl.match_hostname function in Python 3.2.x, 3.3.x, and earlier, and unspecified versions of python-backports-ssl_match_hostname as used for older Python versions, allows remote attackers to cause a denial of service (CPU consumption) via multiple wildcard characters in the common name in a certificate.

CVE-2013-2099 has been assigned by secalert@redhat.com to track the vulnerability

CVSS2 Score: 4.3 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2015:0042
USN-1984-1: Python 3.2 vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-1984-1
CVE-2013-2099 - Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/security/cve/CVE-2013-2099
USN-1985-1: Python 3.3 vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-1985-1
Red Hat Customer Portal	access.redhat.com	MISC access.redhat.com/errata/RHSA-

	text/html	2014:1690
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHBA-2016:1500
Security Advisory SA55107 - Ubuntu update for python3.2 - Secunia	Vendor Advisory web.archive.org text/html	SECUNIA 55107
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2014:1263
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	REDHAT RHSA-2014:1690
Bug 963260 – CVE-2013-2099 python: ssl.match_hostname() DoS via certificates with specially crafted hostname wildcard patterns	bugzilla.redhat.com text/html	MISC bugzilla.redhat.com/show_bug.cgi?id=963260
Issue 17980: CVE-2013-2099 ssl.match_hostname() trips over crafted wildcard names - Python tracker	Patch bugs.python.org text/html	CONFIRM bugs.python.org/issue17980
Red Hat Customer Portal	access.redhat.com text/html	REDHAT RHSA-2016:1166
USN-1983-1: Python 2.7 vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-1983-1
oss-security - Re: CVE Request (minor) -- Python 3.2: DoS when matching certificate with many '*' wildcard characters {was: CVE Request (minor) -- python-backports-ssl_match_hostname: Denial of service when matching certificate with many '*' wildcard characters }	www.openwall.com text/html	MLIST [oss-security] 20130515 Re: CVE Request (minor) -- Python 3.2: DoS when matching certificate with many '*' wildcard characters {was: CVE Request (minor) -- python-backports-ssl_match_hostname: Denial of service when matching certificate with many '*' wildcard characters }
Security Advisory SA55116 - Ubuntu update for python2.7 - Secunia	Vendor Advisory web.archive.org text/html	SECUNIA 55116

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	-	lts	All
Operating System	Canonical	Ubuntu Linux	12.10	All	All	All
Operating System	Canonical	Ubuntu Linux	13.04	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	-	lts	All

Operating System	Canonical	Ubuntu Linux	12.10	All	All	All
Operating System	Canonical	Ubuntu Linux	13.04	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	3.3.0	All	All	All
Application	Python	Python	3.3.1	All	All	All
Application	Python	Python	3.3.2	All	All	All
Application	Python	Python	3.2.0	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	3.3.0	All	All	All
Application	Python	Python	3.3.1	All	All	All
Application	Python	Python	3.3.2	All	All	All

cpe:2.3:o:canonical:ubuntu_linux:12.04:-:lts:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:12.10:*:*:*:*:*:*:*:

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cpe:2.3:o:canonical:ubuntu_linux:12.10:*:*:*:*:*:*:*:

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cpe:2.3:a:python:python:3.3.1:*:*:*:*:*:*:*

cpe:2.3:a:python:python:3.3.2:*:*:*:*:*:*:*

No vendor comments have been submitted for this CVE

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