



CVE-2012-1150

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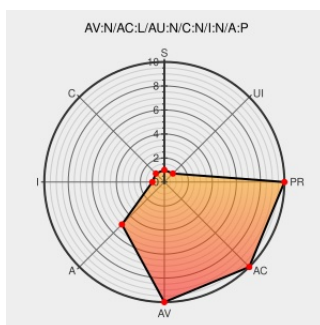
CVE-2012-1150

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



Certain versions of [Python](#) from [Python](#) contain the following vulnerability:

Python before 2.6.8, 2.7.x before 2.7.3, 3.x before 3.1.5, and 3.2.x before 3.2.3 computes hash values without restricting the ability to trigger hash collisions predictably, which allows context-dependent attackers to cause a denial of service (CPU consumption) via crafted input to an application that maintains a hash table.

CVE-2012-1150 has been assigned by secalert@redhat.com to track the vulnerability

CVSS2 Score: **5 - MEDIUM**

Access Vector

Access Complexity

Authentication

NETWORK

LOW

NONE

Confidentiality Impact

Integrity Impact

Availability Impact

NONE

NONE

PARTIAL

CVE References

Description

Tags

Link

USN-1592-1: Python 2.7 vulnerabilities | Ubuntu

[www.ubuntu.com](http://www.ubuntu.com/text/html)
text/html

[UBUNTU USN-1592-1](#)

Issue 13703: Hash collision security issue - Python tracker

[Exploit](#)
bugs.python.org
text/html

[CONFIRM bugs.python.org/issue13703](https://CONFIRM.bugs.python.org/issue13703)

Python 3.1.5 Release

[Patch](#)
[Vendor Advisory](#)
python.org
text/html

[CONFIRM python.org/download/releases/3.1.5/](https://CONFIRM.python.org/download/releases/3.1.5/)

Security Advisory SA50858 - Ubuntu update for python - Secunia

web.archive.org
text/html

[SECUNIA 50858](#)

APPLE-SA-2013-10-22-3 OS X Mavericks v10.9	lists.apple.com text/html	 APPLE APPLE-SA-2013-10-22-3
Python 2.6.8 Release	Patch Vendor Advisory python.org text/html	 CONFIRM python.org/download/releases/2.6.8/
USN-1596-1: Python 2.6 vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1596-1
USN-1615-1: Python 3.2 vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1615-1
[security-announce] openSUSE-SU-2020:0086-1: important: Security update	lists.opensuse.org text/html	 SUSE openSUSE-SU-2020:0086
[Python-Dev] plugging the hash attack	mail.python.org text/html	 MLIST [python-dev] 20120128 plugging the hash attack
Security Advisory SA51089 - Ubuntu update for python3.2 - Secunia	web.archive.org text/html	 SECUNIA 51089
Python 2.7.3 Release	Patch Vendor Advisory python.org text/html	 CONFIRM python.org/download/releases/2.7.3/
oss-security - Re: CVE Request: Python Hash DoS (Issue 13703)	www.openwall.com text/html	 MLIST [oss-security] 20120309 Re: CVE Request: Python Hash DoS (Issue 13703)
USN-1616-1: Python 3.1 vulnerabilities Ubuntu	www.ubuntu.com text/html	 UBUNTU USN-1616-1
Python 3.2.3 Release	Patch Vendor Advisory python.org text/html	 CONFIRM python.org/download/releases/3.2.3/
Bug 750555 – CVE-2012-1150 python: hash table collisions CPU usage DoS (oCERT-2011-003)	bugzilla.redhat.com text/html	 CONFIRM bugzilla.redhat.com/show_bug.cgi?id=750555
[Python-Dev] Hash collision security issue (now public)	mail.python.org text/html	 MLIST [python-dev] 20111229 Hash collision security issue (now public)
Security Advisory SA51087 - Ubuntu update for python3.1 - Secunia	web.archive.org text/html	 SECUNIA 51087

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Python	Python	0.9.0	All	All	All
Application	Python	Python	0.9.1	All	All	All
Application	Python	Python	1.2	All	All	All

Application	Python	Python	1.3	All	All	All
Application	Python	Python	1.5.2	All	All	All
Application	Python	Python	1.6	All	All	All
Application	Python	Python	1.6.1	All	All	All
Application	Python	Python	2.0	All	All	All
Application	Python	Python	2.0.1	All	All	All
Application	Python	Python	2.1	All	All	All
Application	Python	Python	2.1.1	All	All	All
Application	Python	Python	2.1.2	All	All	All
Application	Python	Python	2.1.3	All	All	All
Application	Python	Python	2.2	All	All	All
Application	Python	Python	2.2.1	All	All	All
Application	Python	Python	2.2.2	All	All	All
Application	Python	Python	2.2.3	All	All	All
Application	Python	Python	2.3.1	All	All	All
Application	Python	Python	2.3.2	All	All	All
Application	Python	Python	2.3.3	All	All	All
Application	Python	Python	2.3.4	All	All	All
Application	Python	Python	2.3.5	All	All	All
Application	Python	Python	2.3.7	All	All	All
Application	Python	Python	2.4.1	All	All	All
Application	Python	Python	2.4.2	All	All	All
Application	Python	Python	2.4.3	All	All	All
Application	Python	Python	2.4.4	All	All	All
Application	Python	Python	2.4.6	All	All	All
Application	Python	Python	2.5.1	All	All	All
Application	Python	Python	2.5.150	All	All	All
Application	Python	Python	2.5.2	All	All	All
Application	Python	Python	2.5.3	All	All	All
Application	Python	Python	2.5.4	All	All	All
Application	Python	Python	2.5.6	All	All	All
Application	Python	Python	2.6.1	All	All	All
Application	Python	Python	2.6.2	All	All	All
Application	Python	Python	2.6.2150	All	All	All
Application	Python	Python	2.6.3	All	All	All
Application	Python	Python	2.6.4	All	All	All

Application	Python	Python	2.0.4	All	All	All
Application	Python	Python	2.6.5	All	All	All
Application	Python	Python	2.6.6	All	All	All
Application	Python	Python	2.6.6150	All	All	All
Application	Python	Python	2.7.1	All	All	All
Application	Python	Python	2.7.1	rc1	All	All
Application	Python	Python	2.7.1150	All	All	All
Application	Python	Python	2.7.2	rc1	All	All
Application	Python	Python	2.7.2150	All	All	All
Application	Python	Python	3.0	All	All	All
Application	Python	Python	3.0.1	All	All	All
Application	Python	Python	3.1	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	3.2	All	All	All
Application	Python	Python	3.2	alpha	All	All
Application	Python	Python	3.2.2150	All	All	All
Application	Python	Python	0.9.0	All	All	All
Application	Python	Python	0.9.1	All	All	All
Application	Python	Python	1.2	All	All	All
Application	Python	Python	1.3	All	All	All
Application	Python	Python	1.5.2	All	All	All
Application	Python	Python	1.6	All	All	All
Application	Python	Python	1.6.1	All	All	All
Application	Python	Python	2.0	All	All	All
Application	Python	Python	2.0.1	All	All	All
Application	Python	Python	2.1	All	All	All
Application	Python	Python	2.1.1	All	All	All
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Application	Python	Python	2.1.3	All	All	All
Application	Python	Python	2.2	All	All	All
Application	Python	Python	2.2.1	All	All	All
Application	Python	Python	2.2.2	All	All	All
Application	Python	Python	2.2.3	All	All	All

Application	Python	Python	2.3.1	All	All	All
Application	Python	Python	2.3.2	All	All	All
Application	Python	Python	2.3.3	All	All	All
Application	Python	Python	2.3.4	All	All	All
Application	Python	Python	2.3.5	All	All	All
Application	Python	Python	2.3.7	All	All	All
Application	Python	Python	2.4.1	All	All	All
Application	Python	Python	2.4.2	All	All	All
Application	Python	Python	2.4.3	All	All	All
Application	Python	Python	2.4.4	All	All	All
Application	Python	Python	2.4.6	All	All	All
Application	Python	Python	2.5.1	All	All	All
Application	Python	Python	2.5.150	All	All	All
Application	Python	Python	2.5.2	All	All	All
Application	Python	Python	2.5.3	All	All	All
Application	Python	Python	2.5.4	All	All	All
Application	Python	Python	2.5.6	All	All	All
Application	Python	Python	2.6.1	All	All	All
Application	Python	Python	2.6.2	All	All	All
Application	Python	Python	2.6.2150	All	All	All
Application	Python	Python	2.6.3	All	All	All
Application	Python	Python	2.6.4	All	All	All
Application	Python	Python	2.6.5	All	All	All
Application	Python	Python	2.6.6	All	All	All
Application	Python	Python	2.6.6150	All	All	All
Application	Python	Python	2.7.1	All	All	All
Application	Python	Python	2.7.1	rc1	All	All
Application	Python	Python	2.7.1150	All	All	All
Application	Python	Python	2.7.2	rc1	All	All
Application	Python	Python	2.7.2150	All	All	All
Application	Python	Python	3.0	All	All	All
Application	Python	Python	3.0.1	All	All	All
Application	Python	Python	3.1	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	3.2	All	All	All
Application	Python	Python	3.2	alpha	All	All
Application	Python	Python	3.2.2150	All	All	All
Application	Python	Python	All	All	All	All
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cpe:2.3:a:python:python:2.3.4:*:*:*:*:*:*:
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cpe:2.3:a:python:python:2.3.5:*:*:*:*:*:
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cpe:2.3:a:python:python:2.3.7:*:*:*:*:*:*:
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cne:2.3:a:nvthon:nvthon:2.4.1:*.~*.~*.~*.~*.~*~*
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cpe:2.3:a:python:python:3.2:alpha:*****:
cpe:2.3:a:python:python:3.2.2150:*****:
cpe:2.3:a:python:python:*****:

No vendor comments have been submitted for this CVE

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