



CVE-2012-2739

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CVE-2012-2739

Source: Mitre

Source: NIST

CVE.ORG

Print: PDF



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

Oracle Java SE before 7 Update 6, and OpenJDK 7 before 7u6 build 12 and 8 before build 39, 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-2012-2739 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

oss-security - Re: CVE request: java hashdos vulnerability

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

[MLIST \[oss-security\] 20120616 Re: CVE request: java hashdos vulnerability](#)

Review Request CR#7118743 : Alternative Hashing for String with Hash-based Maps

[Vendor Advisory](#)
mail.openjdk.java.net
[text/html](#)

[MLIST \[core-libs-dev\] 20120522 Review Request CR#7118743 : Alternative Hashing for String with Hash-based Maps](#)

Java security and related topics: Investigating the HashDoS issue

[Exploit](#)
armoredbarista.blogspot.de
[text/html](#)

[MISC](#)
armoredbarista.blogspot.de/2012/02/investigating-hashdos-issue.html

Bug 750533 – CVE-2012-2739 java: hash table collisions CPU usage DoS (oCERT-2011-003)

[bugzilla.redhat.com
text/html](http://bugzilla.redhat.com/text/html)

[CONFIRM bugzilla.redhat.com/show_bug.cgi?id=750533](http://bugzilla.redhat.com/show_bug.cgi?id=750533)

oss-security - CVE request: java hashdos vulnerability

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

[MLIST \[oss-security\] 20120615 CVE request: java hashdos vulnerability](#)

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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	Oracle	Jdk	1.7.0	All	All	All
Application	Oracle	Jdk	1.7.0	update1	All	All
Application	Oracle	Jdk	1.7.0	update2	All	All
Application	Oracle	Jdk	1.7.0	update3	All	All
Application	Oracle	Jdk	1.7.0	update4	All	All
Application	Oracle	Jdk	1.7.0	All	All	All
Application	Oracle	Jdk	1.7.0	update1	All	All
Application	Oracle	Jdk	1.7.0	update2	All	All
Application	Oracle	Jdk	1.7.0	update3	All	All
Application	Oracle	Jdk	1.7.0	update4	All	All
Application	Oracle	Jdk	All	update5	All	All
Application	Oracle	Jre	1.7.0	All	All	All
Application	Oracle	Jre	1.7.0	update1	All	All
Application	Oracle	Jre	1.7.0	update2	All	All
Application	Oracle	Jre	1.7.0	update3	All	All
Application	Oracle	Jre	1.7.0	update4	All	All
Application	Oracle	Jre	1.7.0	All	All	All
Application	Oracle	Jre	1.7.0	update1	All	All
Application	Oracle	Jre	1.7.0	update2	All	All
Application	Oracle	Jre	1.7.0	update3	All	All
Application	Oracle	Jre	1.7.0	update4	All	All
Application	Oracle	Jre	All	update5	All	All
Application	Oracle	Onenidk	1.6.0	All	All	All

Application	Oracle	Openjdk	Version	Architecture	Platform	OS
Application	Oracle	Openjdk	1.8.0	All	All	All
Application	Oracle	Openjdk	1.6.0	All	All	All
Application	Oracle	Openjdk	1.8.0	All	All	All
Application	Oracle	Openjdk	All	All	All	All
cpe:2.3:a:oracle:jdk:1.7.0:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:update1:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:update2:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:update3:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:update4:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:update1:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:update2:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:update3:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:1.7.0:update4:*:*:*:*:*:						
cpe:2.3:a:oracle:jdk:*:update5:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:update1:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:update2:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:update3:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:update4:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:update1:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:update2:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:update3:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:1.7.0:update4:*:*:*:*:*:						
cpe:2.3:a:oracle:jre:*:update5:*:*:*:*:*:						
cpe:2.3:a:oracle:openjdk:1.6.0:*:*:*:*:*:						
cpe:2.3:a:oracle:openjdk:1.8.0:*:*:*:*:*:						
cpe:2.3:a:oracle:openjdk:1.6.0:*:*:*:*:*:						

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cpe:2.3:a:oracle:openjdk:1.8.0:*:*:*:*:*:
```

```
cpe:2.3:a:oracle:openjdk:*:*:*:*:*:
```

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cpe:2.3:a:oracle:openjdk:1.8.0:*:*:*:*:*:
```

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cpe:2.3:a:oracle:openjdk:*:*:*:*:*:
```

No vendor comments have been submitted for this CVE

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