

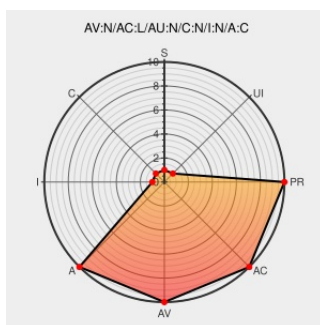


CVE-2009-4272

Published on: 01/27/2010 12:00:00 AM UTC

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CVE-2009-4272

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#)

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

A certain Red Hat patch for net/ipv4/route.c in the Linux kernel 2.6.18 on Red Hat Enterprise Linux (RHEL) 5 allows remote attackers to cause a denial of service (deadlock) via crafted packets that force collisions in the IPv4 routing hash table, and trigger a routing "emergency" in which a hash chain is too long. NOTE: this is related to an issue in the Linux kernel before 2.6.31, when the kernel routing cache is disabled, involving an uninitialized pointer and a panic.

CVE-2009-4272 has been assigned by [secalert@redhat.com](#) to track the vulnerability

CVSS2 Score: **7.8 - HIGH**

Access
Vector

NETWORK

Access
Complexity

LOW

Authentication

NONE

Confidentiality
Impact

NONE

Integrity
Impact

NONE

Availability
Impact

COMPLETE

CVE References

Description

Tags

Link

Bug 545411 – CVE-2009-4272 kernel: emergency route cache flushing leads to node deadlock

[bugzilla.redhat.com](#)
[text/html](#)

[CONFIRM bugzilla.redhat.com/show_bug.cgi?id=545411](#)

kernel/git/torvalds/linux.git - Linux kernel source tree

[web.archive.org](#)
[text/html](#)
Inactive Link **Not Archived**

[MISC git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git%3Ba=commit%3Bh=b6280b47a7a42970d098a3059f4ebe7e55e90d8d](#)

oss-security - Re: CVE-2009-4272 kernel: emergency route cache

[www.openwall.com](#)
[text/html](#)

[MLIST \[oss-security\] 20100120 Re: CVE-2009-4272 kernel: emergency route cache flushing leads to node deadlock](#)

flushing leads to node deadlock		
rhn.redhat.com Red Hat Support	web.archive.org text/html Inactive Link Not Archived	REDHAT RHSA-2010:0046
access.redhat.com CVE-2009-4272	access.redhat.com text/html	MISC access.redhat.com/security/cve/CVE-2009-4272
Red Hat Customer Portal	web.archive.org text/html Inactive Link Not Archived	REDHAT RHSA-2010:0095
Repository / Oval Repository	oval.cisecurity.org text/html	OVAL oval:org.mitre.oval:def:7026
ASA-2010-026 (RHSA-2010-0046)	support.avaya.com text/html	CONFIRM support.avaya.com/css/P8/documents/100073666
kernel/git/torvalds/linux.git - Linux kernel source tree	web.archive.org text/html Inactive Link Not Archived	MISC git.kernel.org/?p=linux/kernel/git/torvalds/linux-2.6.git%3Ba=commit%3Bh=73e42897e8e5619eacb787d2ce69be12f47cfc21
404: File not found	www.kernel.org text/plain Inactive Link Not Archived	CONFIRM www.kernel.org/pub/linux/kernel/v2.6/ChangeLog-2.6.31
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2010:0095
Red Hat Customer Portal	access.redhat.com text/html	MISC access.redhat.com/errata/RHSA-2010:0046
oss-security - CVE-2009-4272 kernel: emergency route cache flushing leads to node deadlock	www.openwall.com text/html	MLIST [oss-security] 20100120 CVE-2009-4272 kernel: emergency route cache flushing leads to node deadlock
IBM X-Force Exchange	exchange.xforce.ibmcloud.com text/html	XF linux-kernel-routing-dos(55808)
Repository / Oval Repository	oval.cisecurity.org text/html	OVAL oval:org.mitre.oval:def:11167
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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
Operating System	Linux	Linux Kernel	2.6.18	All	All	All
Operating System	Linux	Linux Kernel	2.6.18	All	All	All
Operating System	Redhat	Enterprise Linux	5	All	All	All

Operating System	Redhat	Enterprise Linux	5	All	All	All
cpe:2.3:o:linux:linux_kernel:2.6.18:*****:*						
cpe:2.3:o:linux:linux_kernel:2.6.18:*****:*						
cpe:2.3:o:redhat:enterprise_linux:5:*****:*						
cpe:2.3:o:redhat:enterprise_linux:5:*****:*						

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