



CVE-2010-0437

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF](#)

Summary

CVE	CVE-2010-0437
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2010-03-24 13:34:34 UTC
Updated	2026-04-29 01:13:23 UTC
Description	The ip6_dst_lookup_tail function in net/ipv6/ip6_output.c in the Linux kernel before 2.6.27 does not properly handle certain

Risk And Classification

Primary CVSS: v2.0 7.8 from nvd@nist.gov

AV:N/AC:L/Au:N/C:N/I:N/A:C

Problem Types: NVD-CWE-Other | n/a

CVSS v2.0 Breakdown

Access Vector

Network

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

AV:N/AC:L/Au:N/C:N/I:N/A:C

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	2.6.0	All	All	All

[illegible]

[illegible]

Operating System	Linux	Linux Kernel	2.6.16.60	All	All	All
Operating System	Linux	Linux Kernel	2.6.16.61	All	All	All
Operating System	Linux	Linux Kernel	2.6.16.62	All	All	All
Operating System	Linux	Linux Kernel	2.6.16.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.16.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.16.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.17	All	All	All
Operating System	Linux	Linux Kernel	2.6.17	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.17	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.17	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.17	rc4	All	All
Operating System	Linux	Linux Kernel	2.6.17	rc5	All	All
Operating System	Linux	Linux Kernel	2.6.17	rc6	All	All
Operating System	Linux	Linux Kernel	2.6.17.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.13	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.14	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.17.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.18	All	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc4	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc5	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc6	All	All
Operating System	Linux	Linux Kernel	2.6.18	rc7	All	All
Operating System	Linux	Linux Kernel	2.6.18.1	All	All	All

[illegible]

[illegible]

Operating System	Linux	Linux Kernel	2.6.23	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.23	rc2	All	All
Operating System	Linux	Linux Kernel	2.6.23.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.11	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.13	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.14	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.15	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.16	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.17	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.5	All	All	All
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Operating System	Linux	Linux Kernel	2.6.23.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.23.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.24	All	All	All
Operating System	Linux	Linux Kernel	2.6.24	rc1	All	All
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Operating System	Linux	Linux Kernel	2.6.24	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.24	rc4	All	All
Operating System	Linux	Linux Kernel	2.6.24	rc5	All	All
Operating System	Linux	Linux Kernel	2.6.24.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.24.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.25	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.10	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.11	All	All	All

Operating System	Linux	Linux Kernel	2.6.25.12	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.13	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.14	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.15	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.16	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.17	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.18	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.19	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.20	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.25.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.26	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.2	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.26.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.3	All	All	All
Operating System	Linux	Linux Kernel	2.6.4	All	All	All
Operating System	Linux	Linux Kernel	2.6.5	All	All	All
Operating System	Linux	Linux Kernel	2.6.6	All	All	All
Operating System	Linux	Linux Kernel	2.6.7	All	All	All
Operating System	Linux	Linux Kernel	2.6.8	All	All	All
Operating System	Linux	Linux Kernel	2.6.8.1	All	All	All
Operating System	Linux	Linux Kernel	2.6.9	All	All	All
Operating System	Linux	Linux Kernel	2.6.9	rc1	All	All
Operating System	Linux	Linux Kernel	2.6.9	rc2	All	All

Operating System	Linux	Linux Kernel	2.6.9	rc3	All	All
Operating System	Linux	Linux Kernel	2.6.9	rc4	All	All
Operating System	Linux	Linux Kernel	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
SecurityFocus	af854a3a-2127-422b-91ae-364da2661108
Bug 563781 – CVE-2010-0437 kernel: ipv6: fix ip6_dst_lookup_tail() NULL pointer dereference	af854a3a-2127-422b-91ae-364da2661108
git.kernel.org	af854a3a-2127-422b-91ae-364da2661108
404: File not found	af854a3a-2127-422b-91ae-364da2661108
VMSA-2011-0003	af854a3a-2127-422b-91ae-364da2661108
Red Hat update for kernel-rt - Advisories - Community	af854a3a-2127-422b-91ae-364da2661108
oss-security - CVE request - kernel: ip6_dst_lookup_tail() NULL pointer dereference	af854a3a-2127-422b-91ae-364da2661108
VMware ESX Server Multiple Kernel Vulnerabilities - Advisories - Community	af854a3a-2127-422b-91ae-364da2661108
Repository / Oval Repository	af854a3a-2127-422b-91ae-364da2661108
Support	af854a3a-2127-422b-91ae-364da2661108
oss-security - Re: CVE request - kernel: ip6_dst_lookup_tail() NULL pointer dereference	af854a3a-2127-422b-91ae-364da2661108
Support	af854a3a-2127-422b-91ae-364da2661108
11469 – TUN with 1024 neighbours: ip6_dst_lookup_tail NULL crash	af854a3a-2127-422b-91ae-364da2661108
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE
Red Hat Customer Portal - Access to 24x7 support and knowledge	MITRE
Red Hat Customer Portal	MITRE
Red Hat Customer Portal	MITRE
Red Hat Customer Portal - Access to 24x7 support and knowledge	MITRE
access.redhat.com CVE-2010-0437	MITRE
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

Vendor Comments And Credit

Organization	Published	Contributor	Statement
Red Hat	2010-03-25	Vincent Danen	Red Hat is aware of this issue and is tracking it via the following bug: https://bugzilla.redhat.co

There are currently no legacy QID mappings associated with this CVE.

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