



CVE-2011-4097

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary

CVE	CVE-2011-4097
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2012-05-17 11:00:32 UTC
Updated	2026-04-29 01:13:23 UTC
Description	Integer overflow in the oom_badness function in mm/oom_kill.c in the Linux kernel before 3.1.8 on 64-bit platforms allows local users to trigger a denial of service via a crafted memory allocation request.

Risk And Classification

Primary CVSS: v3.1 5.5 MEDIUM from nvd@nist.gov

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

Problem Types: CWE-190 | n/a

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	5.5	MEDIUM	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H
2.0	nvd@nist.gov	Primary	4.9		AV:L/AC:L/Au:N/C:N/I:N/A:C

CVSS v3.1 Breakdown

Attack Vector

Local

Attack Complexity

Low

Privileges Required

Low

User Interaction

None

Scope

Unchanged

Confidentiality

None

Integrity

None

Availability

High

CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:N/I:N/A:H

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

None

Availability

Complete

AV:L/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	All	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All

Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References

Reference	Source	Link
oom: fix integer overflow of points in oom_badness · torvalds/linux@56c6a8a · GitHub	af854a3a-2127-422b-91ae-364da2661108	github.com
www.kernel.org/pub/linux/kernel/v3.x/ChangeLog-3.1.8	af854a3a-2127-422b-91ae-364da2661108	www.kernel.org
oss-security - Re: CVE request: kernel: oom: fix integer overflow of points in oom_badness	af854a3a-2127-422b-91ae-364da2661108	www.oss-security.org
750399 – (CVE-2011-4097) CVE-2011-4097 kernel: oom_badness() integer overflow	af854a3a-2127-422b-91ae-364da2661108	bugzilla.redhat.com
Red Hat Customer Portal	MITRE	access.redhat.com
access.redhat.com CVE-2011-4097	MITRE	access.redhat.com
CVE Program record	CVE.ORG	www.cve.org
NVD vulnerability detail	NVD	nvd.nist.gov

No vendor comments have been submitted for this CVE.

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

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