



CVE-2014-7826

- MITRE
- NVD
- CVE.ORG
- JSON API
- Print: PDF

Summary

CVE	CVE-2014-7826
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-11-10 11:55:08 UTC
Updated	2026-05-06 22:30:45 UTC
Description	kernel/trace/trace_syscalls.c in the Linux kernel through 3.17.2 does not properly handle private syscall numbers during use

Risk And Classification

Primary CVSS: v3.1 7.8 HIGH from nvd@nist.gov

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

Problem Types: CWE-476 | n/a

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	7.8	HIGH	CVSS:3.1/AV:L/AC:L/PR:L/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	7.2		AV:L/AC:L/Au:N/C:C/I:C/A:C

CVSS v3.1 Breakdown

- Attack Vector

Local
- Attack Complexity

Low
- Privileges Required

Low
- User Interaction

None
- Scope

Unchanged
- Confidentiality

High
- Integrity

High
- Availability

High

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

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

Complete

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

Vendor Declared Affected Products

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

References

Reference	Source
IBM X-Force Exchange	af854a3a-2127
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127
Linux Kernel 'trace_syscalls.c' Multiple Local Denial of Service Vulnerabilities	af854a3a-2127
oss-security - Exploitable issues in Linux perf/ftrace subsystems	af854a3a-2127
tracing/syscalls: Ignore numbers outside NR_syscalls' range · torvalds/linux@086ba77 · GitHub	af854a3a-2127
[security-announce] SUSE-SU-2015:0481-1: important: Security update for	af854a3a-2127
Red Hat Customer Portal	af854a3a-2127
[security-announce] openSUSE-SU-2015:0566-1: important: kernel update fo	af854a3a-2127
Red Hat Customer Portal	af854a3a-2127
Bug 1161565 – CVE-2014-7825 CVE-2014-7826 kernel: insufficient syscall number validation in perf and ftrace subsystems	af854a3a-2127

Red Hat Customer Portal	af854a3a-2127
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD
No vendor comments have been submitted for this CVE.	
There are currently no legacy QID mappings associated with this CVE.	

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