



CVE-2014-8133

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

CVE	CVE-2014-8133
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2014-12-17 11:59:00 UTC
Updated	2026-05-06 22:30:45 UTC
Description	arch/x86/kernel/tls.c in the Thread Local Storage (TLS) implementation in the Linux kernel through 3.18.1 allows local users

Risk And Classification

Primary CVSS: v2.0 2.1 from nvd@nist.gov

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

Problem Types: CWE-264 | n/a

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

None

Integrity

Partial

Availability

None

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

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	3.0	rc1	All	All

Operating System	Linux	Linux Kernel	3.0	rc2	All	All
Operating System	Linux	Linux Kernel	3.0	rc3	All	All
Operating System	Linux	Linux Kernel	3.0	rc4	All	All
Operating System	Linux	Linux Kernel	3.0	rc5	All	All
Operating System	Linux	Linux Kernel	3.0	rc6	All	All
Operating System	Linux	Linux Kernel	3.0	rc7	All	All
Operating System	Linux	Linux Kernel	3.0.1	All	All	All
Operating System	Linux	Linux Kernel	3.0.10	All	All	All
Operating System	Linux	Linux Kernel	3.0.11	All	All	All
Operating System	Linux	Linux Kernel	3.0.12	All	All	All
Operating System	Linux	Linux Kernel	3.0.13	All	All	All
Operating System	Linux	Linux Kernel	3.0.14	All	All	All
Operating System	Linux	Linux Kernel	3.0.15	All	All	All
Operating System	Linux	Linux Kernel	3.0.16	All	All	All
Operating System	Linux	Linux Kernel	3.0.17	All	All	All
Operating System	Linux	Linux Kernel	3.0.18	All	All	All
Operating System	Linux	Linux Kernel	3.0.19	All	All	All
Operating System	Linux	Linux Kernel	3.0.2	All	All	All
Operating System	Linux	Linux Kernel	3.0.20	All	All	All
Operating System	Linux	Linux Kernel	3.0.21	All	All	All
Operating System	Linux	Linux Kernel	3.0.22	All	All	All
Operating System	Linux	Linux Kernel	3.0.23	All	All	All
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Operating System	Linux	Linux Kernel	3.0.25	All	All	All
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Operating System	Linux	Linux Kernel	3.0.27	All	All	All
Operating System	Linux	Linux Kernel	3.0.28	All	All	All
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Operating System	Linux	Linux Kernel	3.0.30	All	All	All
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Operating System	Linux	Linux Kernel	3.0.34	All	All	All
Operating System	Linux	Linux Kernel	3.0.35	All	All	All
Operating System	Linux	Linux Kernel	3.0.36	All	All	All

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Operating System	Linux	Linux Kernel	3.0.7	All	All	All
Operating System	Linux	Linux Kernel	3.0.8	All	All	All
Operating System	Linux	Linux Kernel	3.0.9	All	All	All
Operating System	Linux	Linux Kernel	3.1	All	All	All
Operating System	Linux	Linux Kernel	3.1	rc1	All	All
Operating System	Linux	Linux Kernel	3.1	rc2	All	All
Operating System	Linux	Linux Kernel	3.1	rc3	All	All
Operating System	Linux	Linux Kernel	3.1	rc4	All	All
Operating System	Linux	Linux Kernel	3.1.1	All	All	All
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Operating System	Linux	Linux Kernel	3.10.20	All	All	All
Operating System	Linux	Linux Kernel	3.10.21	All	All	All

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Operating System	Linux	Linux Kernel	3.13.8	All	All	All
Operating System	Linux	Linux Kernel	3.13.9	All	All	All
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Operating System	Linux	Linux Kernel	3.14	rc1	All	All
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Operating System	Linux	Linux Kernel	3.14	rc5	All	All
Operating System	Linux	Linux Kernel	3.14	rc6	All	All

Operating System	Linux	Linux Kernel	3.14	rc7	All	All
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Operating System	Linux	Linux Kernel	3.18	rc1	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All
Operating System	Linux	Linux Kernel	3.2	All	All	All
Operating System	Linux	Linux Kernel	3.2	rc2	All	All
Operating System	Linux	Linux Kernel	3.2	rc3	All	All
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Operating System	Linux	Linux Kernel	3.2	rc6	All	All
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Operating System	Linux	Linux Kernel	3.2.1	All	All	All
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Operating System	Linux	Linux Kernel	3.2.10	All	All	All

Operating System	Linux	Linux Kernel	3.2.10	All	All	All
Operating System	Linux	Linux Kernel	3.2.11	All	All	All
Operating System	Linux	Linux Kernel	3.2.12	All	All	All
Operating System	Linux	Linux Kernel	3.2.13	All	All	All
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Operating System	Linux	Linux Kernel	3.2.19	All	All	All
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Operating System	Linux	Linux Kernel	3.2.21	All	All	All
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Operating System	Linux	Linux Kernel	3.2.26	All	All	All
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Operating System	Linux	Linux Kernel	3.3	rc5	All	All
Operating System	Linux	Linux Kernel	3.3	rc6	All	All

Operating System	Linux	Linux Kernel	3.3	rc7	All	All
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Operating System	Linux	Linux Kernel	3.3.8	All	All	All
Operating System	Linux	Linux Kernel	3.4	All	All	All
Operating System	Linux	Linux Kernel	3.4	All	All	All
Operating System	Linux	Linux Kernel	3.4	rc1	All	All
Operating System	Linux	Linux Kernel	3.4	rc1	All	All
Operating System	Linux	Linux Kernel	3.4	rc2	All	All
Operating System	Linux	Linux Kernel	3.4	rc2	All	All
Operating System	Linux	Linux Kernel	3.4	rc3	All	All
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Operating System	Linux	Linux Kernel	3.4	rc4	All	All
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Operating System	Linux	Linux Kernel	3.4	rc5	All	All
Operating System	Linux	Linux Kernel	3.4	rc5	All	All
Operating System	Linux	Linux Kernel	3.4	rc6	All	All
Operating System	Linux	Linux Kernel	3.4	rc6	All	All
Operating System	Linux	Linux Kernel	3.4	rc7	All	All
Operating System	Linux	Linux Kernel	3.4	rc7	All	All
Operating System	Linux	Linux Kernel	3.4.1	All	All	All
Operating System	Linux	Linux Kernel	3.4.1	All	All	All
Operating System	Linux	Linux Kernel	3.4.10	All	All	All
Operating System	Linux	Linux Kernel	3.4.11	All	All	All
Operating System	Linux	Linux Kernel	3.4.12	All	All	All
Operating System	Linux	Linux Kernel	3.4.13	All	All	All
Operating System	Linux	Linux Kernel	3.4.14	All	All	All
Operating System	Linux	Linux Kernel	3.4.15	All	All	All
Operating System	Linux	Linux Kernel	3.4.16	All	All	All
Operating System	Linux	Linux Kernel	3.4.17	All	All	All

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Operating System	Linux	Linux Kernel	3.4.79	All	All	All
Operating System	Linux	Linux Kernel	3.4.8	All	All	All
Operating System	Linux	Linux Kernel	3.4.9	All	All	All
Operating System	Linux	Linux Kernel	3.5.1	All	All	All
Operating System	Linux	Linux Kernel	3.5.2	All	All	All
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Operating System	Linux	Linux Kernel	3.5.7	All	All	All
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Operating System	Linux	Linux Kernel	3.6.1	All	All	All
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Operating System	Linux	Linux Kernel	3.6.11	All	All	All
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Operating System	Linux	Linux Kernel	3.8.0	All	All	All
Operating System	Linux	Linux Kernel	3.8.1	All	All	All

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Operating System	Linux	Linux Kernel	3.9.6	All	All	All
Operating System	Linux	Linux Kernel	3.9.7	All	All	All
Operating System	Linux	Linux Kernel	3.9.7	All	All	All
Operating System	Linux	Linux Kernel	3.9.8	All	All	All
Operating System	Linux	Linux Kernel	3.9.8	All	All	All
Operating System	Linux	Linux Kernel	3.9.9	All	All	All
Operating System	Linux	Linux Kernel	3.9.9	All	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
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364d8
USN-2516-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364d8
USN-2491-1: Linux kernel (EC2) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364d8
[security-announce] SUSE-SU-2015:0736-1: important: Security update for	af854a3a-2127-422b-91ae-364d8
USN-2493-1: Linux kernel (OMAP4) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364d8
USN-2518-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364d8
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364d8
Debian -- Security Information -- DSA-3128-1 linux	af854a3a-2127-422b-91ae-364d8
Support / Security / Advisories / / MDVSA-2015:058 Mandriva	af854a3a-2127-422b-91ae-364d8
x86/tls: Validate TLS entries to protect espfix · torvalds/linux@41bdc78 · GitHub	af854a3a-2127-422b-91ae-364d8
About Secunia Research Flexera	af854a3a-2127-422b-91ae-364d8
Linux Kernel 'kernel/tls.c' Local Information Disclosure Vulnerability	af854a3a-2127-422b-91ae-364d8
USN-2492-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364d8
USN-2515-1: Linux kernel (Trusty HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364d8
[security-announce] openSUSE-SU-2015:0566-1: important: kernel update fo	af854a3a-2127-422b-91ae-364d8
USN-2517-1: Linux kernel (Utopic HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364d8
USN-2490-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364d8
Bug 1172797 – CVE-2014-8133 kernel: x86: espfix(64) bypass via set_thread_area and CLONE_SETTLS	af854a3a-2127-422b-91ae-364d8
oss-security - Linux kernel: multiple x86_64 vulnerabilities	af854a3a-2127-422b-91ae-364d8
kernel/git/torvalds/linux.git - Linux kernel source tree	MITRE
CVE Program record	CVE.ORG

No vendor comments have been submitted for this CVE.

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

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