



CVE-2015-5157

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

Summary

CVE	CVE-2015-5157
State	PUBLISHED
Assigner	redhat
Source Priority	CVE Program / NVD first with legacy fallback
Published	2015-08-31 10:59:11 UTC
Updated	2026-05-06 22:30:45 UTC
Description	arch/x86/entry/entry_64.S in the Linux kernel before 4.1.6 on the x86_64 platform mishandles IRET faults in processing NM

Risk And Classification

Primary CVSS: v2.0 7.2 from nvd@nist.gov

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

Problem Types: CWE-264 | n/a

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)

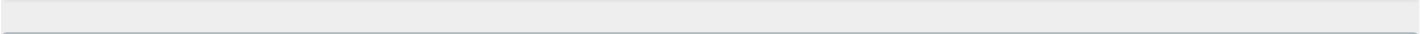
Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All

Operating System	Redhat	Enterprise Linux Desktop	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Hpc Node	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	6.7.z	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	6.0	All	All	All

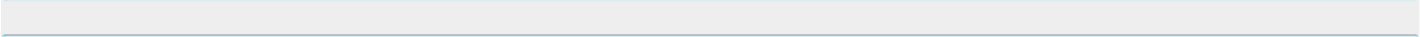
Vendor Declared Affected Products						
Source	Vendor	Product	Version	Platforms		
CNA	Na	N/a	affected n/a	Not specified		

References	
Reference	Source
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da266110
USN-2689-1: Linux kernel (Utopic HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da266110
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da266110
Debian -- Security Information -- DSA-3313-1 linux	af854a3a-2127-422b-91ae-364da266110
Linux Kernel CVE-2015-5157 Local Privilege Escalation Vulnerability	af854a3a-2127-422b-91ae-364da266110
kernel/git/torvalds/linux.git - Linux kernel source tree	af854a3a-2127-422b-91ae-364da266110
USN-2690-1: Linux kernel (Vivid HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da266110
[security-announce] SUSE-SU-2015:1727-1: important: Security update for	af854a3a-2127-422b-91ae-364da266110
USN-2687-1: Linux kernel (Trusty HWE) vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da266110
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da266110
Red Hat Customer Portal	af854a3a-2127-422b-91ae-364da266110
[security-announce] SUSE-SU-2015:2108-1: important: Security update for	af854a3a-2127-422b-91ae-364da266110
oss-security - Linux x86_64 NMI security issues	af854a3a-2127-422b-91ae-364da266110
[security-announce] SUSE-SU-2015:2339-1: important: Security update for	af854a3a-2127-422b-91ae-364da266110
[security-announce] SUSE-SU-2016:0354-1: important: Security update for	af854a3a-2127-422b-91ae-364da266110
Oracle Linux Bulletin - January 2016	af854a3a-2127-422b-91ae-364da266110
x86/nmi/64: Switch stacks on userspace NMI entry · torvalds/linux@9b6e6a8 · GitHub	af854a3a-2127-422b-91ae-364da266110
www.kernel.org/pub/linux/kernel/v4.x/ChangeLog-4.1.6	af854a3a-2127-422b-91ae-364da266110
USN-2688-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da266110
Oracle Linux Bulletin - April 2016	af854a3a-2127-422b-91ae-364da266110
[security-announce] SUSE-SU-2015:2350-1: important: Security update for	af854a3a-2127-422b-91ae-364da266110
USN-2691-1: Linux kernel vulnerabilities Ubuntu	af854a3a-2127-422b-91ae-364da266110
Red Hat Customer Portal	MITRE
Red Hat Customer Portal	MITRE
Red Hat Customer Portal	MITRE

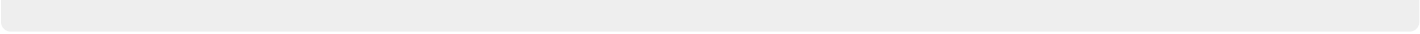
Red Hat Customer Portal	MITRE
Red Hat Customer Portal	MITRE
access.redhat.com CVE-2015-5157	MITRE
1259577 – (CVE-2015-5157) CVE-2015-5157 kernel: x86-64: IRET faults during NMIs processing	MITRE
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD



No vendor comments have been submitted for this CVE.



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



© [CVE.report](#) 2026 |
Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

Free CVE JSON API [cve.report/api](#)

CVE.report and Source URL Uptime Status [status.cve.report](#)