

Audit Report

Asset report for 69.173.125.60

Audited on May 11, 2017

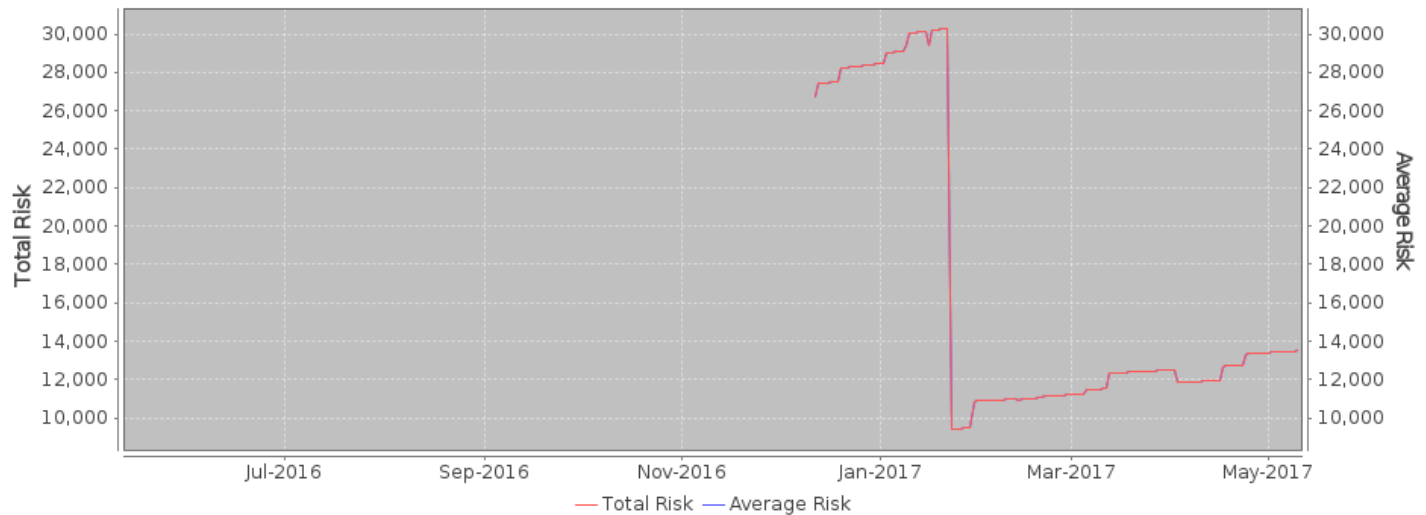
Reported on May 11, 2017

1. Executive Summary

This report represents a security audit performed by Nexpose from Rapid7 LLC. It contains confidential information about the state of your network. Access to this information by unauthorized personnel may allow them to compromise your network.

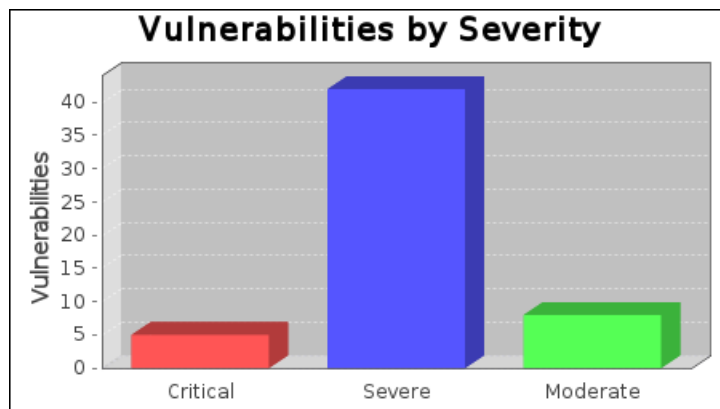
Site Name	Start Time	End Time	Total Time	Status
More Like DMZ VLAN 151	May 11, 2017 11:29, EDT	May 11, 2017 11:31, EDT	1 minutes	Success

Overall Risk Trend



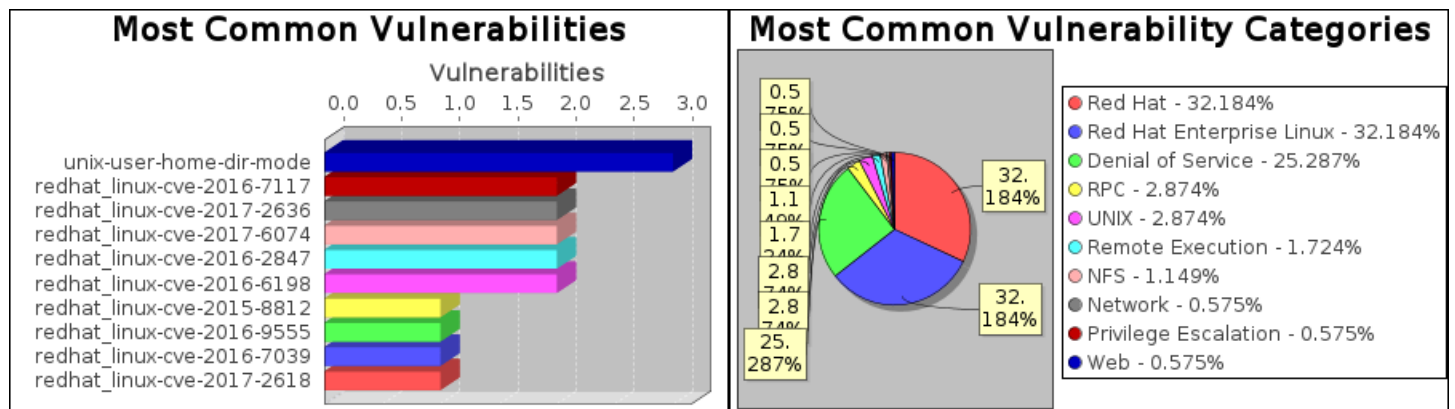
Assets	Total Risk	Average Risk	Highest-Risk Asset
1 (was 0)	13,489 (was 0.0)	13,489 (was 0.0)	dmz-mcclab.broadinstitute.org 13,489 (was 0.0)

The audit was performed on one system which was found to be active and was scanned.

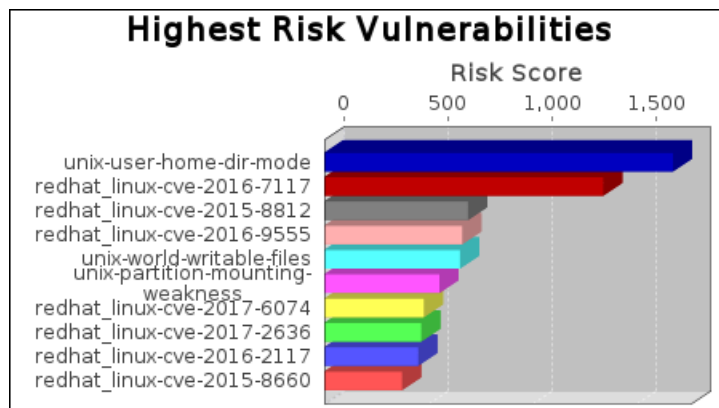


There were 55 vulnerabilities found during this scan. Of these, 5 were critical vulnerabilities. Critical vulnerabilities require immediate attention. They are relatively easy for attackers to exploit and may provide them with full control of the affected systems. 42

vulnerabilities were severe. Severe vulnerabilities are often harder to exploit and may not provide the same access to affected systems. There were 8 moderate vulnerabilities discovered. These often provide information to attackers that may assist them in mounting subsequent attacks on your network. These should also be fixed in a timely manner, but are not as urgent as the other vulnerabilities.



There were 3 occurrences of the unix-user-home-dir-mode vulnerability, making it the most common vulnerability. There were 56 vulnerability instances in the Red Hat and Red Hat Enterprise Linux categories, making them the most common vulnerability categories.



The unix-user-home-dir-mode vulnerability poses the highest risk to the organization with a risk score of 1,670. Risk scores are based on the types and numbers of vulnerabilities on affected assets.

One operating system was identified during this scan.

One service was found to be running during this scan.

2. Discovered Systems

Node	Operating System	Risk	Aliases
69.173.125.60	Red Hat Enterprise Linux 7.3	13,500	•dmz-mcclab.broadinstitute.org

3. Discovered and Potential Vulnerabilities

3.1. Critical Vulnerabilities

3.1.1. Red Hat: CVE-2015-8812: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2015-8812)

Description:

drivers/infiniband/hw/cxgb3/iwch_cm.c in the Linux kernel before 4.5 does not properly identify error conditions, which allows remote attackers to execute arbitrary code or cause a denial of service (use-after-free) via crafted packets.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:0911
SUSE	SUSE-SU-2016:1019
SUSE	SUSE-SU-2016:1031
SUSE	SUSE-SU-2016:1032
SUSE	SUSE-SU-2016:1033
SUSE	SUSE-SU-2016:1034
SUSE	SUSE-SU-2016:1035
SUSE	SUSE-SU-2016:1037
SUSE	SUSE-SU-2016:1038
SUSE	SUSE-SU-2016:1039
SUSE	SUSE-SU-2016:1040
SUSE	SUSE-SU-2016:1041
SUSE	SUSE-SU-2016:1045
SUSE	SUSE-SU-2016:1046

Source	Reference
SUSE	SUSE-SU-2016:1102
SUSE	SUSE-SU-2016:1764
SUSE	SUSE-SU-2016:2074
DEBIAN	DLA-439-1
DEBIAN	DSA-3503
BID	83218
UBUNTU	USN-2946-1
UBUNTU	USN-2946-2
UBUNTU	USN-2947-1
UBUNTU	USN-2947-2
UBUNTU	USN-2947-3
UBUNTU	USN-2948-1
UBUNTU	USN-2948-2
UBUNTU	USN-2949-1
UBUNTU	USN-2967-1
UBUNTU	USN-2967-2
NVD	CVE-2015-8812

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

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Upgrade kernel-debug

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Upgrade kernel-rt

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

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Upgrade kernel-rt-debug-devel

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Upgrade kernel-rt-debuginfo-common-x86_64

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Upgrade kernel-rt-devel

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Upgrade kernel-rt-doc

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Upgrade kernel-rt-trace

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Upgrade kernel-rt-trace-debuginfo

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3.1.2. Red Hat: CVE-2016-7117: Important: kernel security and bug fix update (RHSA-2017:0270 (Multiple Advisories)) (redhat_linux-cve-2016-7117)

Description:

Use-after-free vulnerability in the `__sys_recvmsg` function in `net/socket.c` in the Linux kernel before 4.5.2 allows remote attackers to execute arbitrary code via vectors involving a `recvmsg` system call that is mishandled during error processing.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
REDHAT	RHSA-2016:2962
BID	93304
NVD	CVE-2016-7117
UBUNTU	USN-3126-1
UBUNTU	USN-3126-2

Vulnerability Solution:

- Red Hat Enterprise Linux 5.* (ia64)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 5.* (ia64)
Upgrade kernel-debug
Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 5.* (ia64)
Upgrade kernel-debug-debuginfo
Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 5.* (ia64)
Upgrade kernel-debug-devel
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Upgrade kernel-debuginfo
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- Red Hat Enterprise Linux 5.* (ia64)
Upgrade kernel-debuginfo-common
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- Red Hat Enterprise Linux 5.* (ia64)
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•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE

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•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE-debuginfo

Update kernel-PAE-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE-devel

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•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-xen

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•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-xen-debuginfo

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Upgrade kernel-xen-devel

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Upgrade kernel-debuginfo-common

Update kernel-debuginfo-common to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debuginfo-common

Update kernel-debuginfo-common to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

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•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE

Update kernel-PAE to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE-debuginfo

Update kernel-PAE-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE-devel

Update kernel-PAE-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen

Update kernel-xen to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen-debuginfo

Update kernel-xen-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen-devel

Update kernel-xen-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

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Upgrade kernel-abi-whitelists

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Upgrade kernel-bootwrapper

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Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

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Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-devel

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Upgrade kernel-doc

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Upgrade kernel-firmware

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Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-devel

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•Red Hat Enterprise Linux 6.* (x86_64)

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Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (x86_64)

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade python-perf-debuginfo

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Upgrade kernel

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Upgrade kernel-bootwrapper

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Upgrade kernel-debuginfo-common-ppc64

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

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Upgrade perf

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (x86_64)

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3.1.3. Red Hat: CVE-2016-9555: Moderate: kernel security and bug fix update (RHSA-2017:0307 (Multiple Advisories)) (redhat_linux-cve-2016-9555)

Description:

The sctp_sf_ootb function in net/sctp/sm_statefuns.c in the Linux kernel before 4.8.8 lacks chunk-length checking for the first chunk, which allows remote attackers to cause a denial of service (out-of-bounds slab access) or possibly have unspecified other impact via crafted SCTP data.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:3096
SUSE	SUSE-SU-2016:3113
SUSE	SUSE-SU-2016:3116
SUSE	SUSE-SU-2016:3117
SUSE	SUSE-SU-2016:3169
SUSE	SUSE-SU-2016:3183
SUSE	SUSE-SU-2016:3197
SUSE	SUSE-SU-2016:3205
SUSE	SUSE-SU-2016:3206
SUSE	SUSE-SU-2016:3247
BID	94479
SECTrack	1037339
NVD	CVE-2016-9555
UBUNTU	USN-3161-1
UBUNTU	USN-3161-2
UBUNTU	USN-3161-3
UBUNTU	USN-3161-4
UBUNTU	USN-3162-1
UBUNTU	USN-3162-2
UBUNTU	USN-3187-1
UBUNTU	USN-3187-2
UBUNTU	USN-3188-1
UBUNTU	USN-3188-2
DEBIAN	DLA-772-1

Vulnerability Solution:

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf

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Upgrade perf-debuginfo

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

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Upgrade kernel-devel

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Upgrade kernel-doc

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

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Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade perf

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade perf-debuginfo

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Upgrade python-perf

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade perf

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (iSeries)

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Upgrade kernel-abi-whitelists

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Upgrade kernel-bootwrapper

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Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.1.4. Red Hat: CVE-2016-7039: Important: kernel-rt security update (RHSA-2016:2110 (Multiple Advisories)) (redhat_linux-cve-2016-7039)

Description:

The IP stack in the Linux kernel through 4.8.2 allows remote attackers to cause a denial of service (stack consumption and panic) or possibly have unspecified other impact by triggering use of the GRO path for large crafted packets, as demonstrated by packets that contain only VLAN headers, a related issue to CVE-2016-8666.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	93476
NVD	CVE-2016-7039

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.1.5. Red Hat: CVE-2017-2618: Important: kernel security, bug fix, and enhancement update (RHSA-2017:0933 (Multiple Advisories)) (redhat_linux-cve-2017-2618)

Description:

Details for this vulnerability have not been published by NIST at this point. Descriptions from software vendor advisories for this issue are provided below.

From DSA-3791:

Several vulnerabilities have been discovered in the Linux kernel that

may lead to a privilege escalation, denial of service or have other

impacts.

From RHSA-2017:0931:

The kernel-rt packages provide the Real Time Linux Kernel, which enables fine-tuning for systems with extremely high determinism requirements.

Security Fix(es):

A race condition flaw was found in the N_HLDC Linux kernel driver when accessing n_hdlc.tbuf list that can lead to double free. A local, unprivileged user able to set the HDLC line discipline on the tty device could use this flaw to increase their privileges on the system. (CVE-2017-2636, Important)A flaw was found in the Linux kernel key management subsystem in which a local attacker could crash the kernel or corrupt the stack and additional memory (denial of service) by supplying a specially crafted RSA key. This flaw panics the machine during the verification of the RSA key. (CVE-2016-8650, Moderate)A flaw was found in the Linux kernel's implementation of setsockopt for the SO_{SND|RCV}BUFFORCE setsockopt() system call. Users with non-namespace CAP_NET_ADMIN are able to trigger this call and create a situation in which the sockets sendbuff data size could be negative. This could adversely affect memory allocations and create situations where the system could crash or cause memory corruption. (CVE-2016-9793, Moderate)A flaw was found in the Linux kernel's handling of clearing SELinux attributes on /proc/pid/attr files. An empty (null) write to this file can crash the system by causing the system to attempt to access unmapped kernel memory. (CVE-2017-2618, Moderate)

Red Hat would like to thank Alexander Popov for reporting CVE-2017-2636 and Ralf Spenneberg for reporting CVE-2016-8650. The CVE-2017-2618 issue was discovered by Paul Moore (Red Hat Engineering).

Bug Fix(es):

Previously, a cgroups data structure was sometimes corrupted due to a race condition in the kernel-rt cgroups code. Consequently, several system tasks were blocked, and the operating system became unresponsive. This update adds a lock that prevents the race condition. As a result, the cgroups data structure no longer gets corrupted and the operating system no longer hangs under the described circumstances. (BZ#1420784)The kernel-rt packages have been upgraded to the 3.10.0-514.16.1 source tree, which provides a number of bug fixes over the previous version. (BZ#1430749)

From RHSA-2017:0933:

The kernel packages contain the Linux kernel, the core of any Linux operating system.

These updated kernel packages include several security issues and numerous bug fixes. Space precludes documenting all of these bug fixes in this advisory. To see the complete list of bug fixes, users are directed to the related Knowledge Article: <https://access.redhat.com/articles/2986951>.

Security Fix(es):

A race condition flaw was found in the N_HLDC Linux kernel driver when accessing n_hdlc.tbuf list that can lead to double free. A local, unprivileged user able to set the HDLC line discipline on the tty device could use this flaw to increase their privileges on the system. (CVE-2017-2636, Important) A flaw was found in the Linux kernel key management subsystem in which a local attacker could crash the kernel or corrupt the stack and additional memory (denial of service) by supplying a specially crafted RSA key. This flaw panics the machine during the verification of the RSA key. (CVE-2016-8650, Moderate) A flaw was found in the Linux kernel's implementation of setsockopt for the SO_{SND|RCV}BUFFORCE setsockopt() system call. Users with non-namespace CAP_NET_ADMIN are able to trigger this call and create a situation in which the sockets sendbuff data size could be negative. This could adversely affect memory allocations and create situations where the system could crash or cause memory corruption. (CVE-2016-9793, Moderate) A flaw was found in the Linux kernel's handling of clearing SELinux attributes on /proc/pid/attr files. An empty (null) write to this file can crash the system by causing the system to attempt to access unmapped kernel memory. (CVE-2017-2618, Moderate)

Red Hat would like to thank Alexander Popov for reporting CVE-2017-2636 and Ralf Spenneberg for reporting CVE-2016-8650. The CVE-2017-2618 issue was discovered by Paul Moore (Red Hat Engineering).

From ELSA-2017-0933:

- [3.10.0-514.16.1.OL7] - Oracle Linux certificates (Alexey Petrenko) - Oracle Linux RHCK Module Signing Key was compiled into kernel (olkmod_signing_key.x509)(alexey.petrenko@oracle.com) - Update x509.genkey [bug 24817676] [3.10.0-514.16.1] - [tty] n_hdlc: get rid of racy n_hdlc.tbuf ('Herton R. Krzesinski') [1429919 1429920] {CVE-2017-2636} - [md] dm rq: cope with DM device destruction while in dm_old_request_fn() (Mike Snitzer) [1430334 1412854] - [fs] nfs: Fix inode corruption in nfs_prime_dcache() (Benjamin Coddington) [1429514 1416532] - [fs] nfs: Don't let readdirplus revalidate an inode that was marked as stale (Benjamin Coddington) [1429514 1416532] - [block] Copy a user iovec if it includes gaps (Jeff Moyer) [1429508 1421263] - [kernel] percpu-refcount: fix reference leak during percpu-atomic transition (Jeff Moyer) [1429507 1418333] - [powerpc] eeh: eeh_pci_enable(): fix checking of post-request state (Steve Best) [1425538 1383670] - [s390] mm: handle PTE-mapped tail pages in fast gup (Hendrik Brueckner) [1423438 1391532] - [net] skbuff: Fix skb checksum partial check (Lance Richardson) [1422964 1411480] - [net] skbuff: Fix skb checksum flag on skb pull (Lance Richardson) [1422964 1411480] - [security] selinux: fix off-by-one in setproctattr (Paul Moore) [1422368 1422369] {CVE-2017-2618} - [virtio] balloon: check the number of available pages in leak balloon (David Hildenbrand) [1417194 1401615] - [infiniband] ib/rdmavt: Only put mmap_info ref if it exists (Jonathan Toppins) [1417191 1391299] - [x86] kvm: x86: make lapic hrtimer pinned (Luiz Capitulino) [1416373 1392593] - [kernel] sched/nohz: Fix affine unpinned timers mess (Luiz Capitulino) [1416373 1392593] - [kernel] nohz: Affine unpinned timers to housekeepers (Luiz Capitulino) [1416373 1392593] - [kernel] tick-sched: add housekeeping_mask cpumask (Luiz Capitulino) [1416373 1392593] - [x86] platform/uv/bau: Add UV4-specific functions (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Fix payload queue setup on UV4 hardware (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Disable software timeout on UV4 hardware (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Populate ->uvhub_version with UV4 version information (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Use generic function pointers (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Add generic function pointers (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Convert uv_physnodeaddr() use to uv_gpa_to_offset() (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Clean up pq_init()

(Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Clean up and update printks (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Clean up vertical alignment (Frank Ramsay) [1414715 1386692] - [virtio] virtio-pci: alloc only resources actually used (Laurent Vivier) [1413093 1375153] - [net] avoid signed overflows for SO_{SND|RCV}BUFFORCE (Sabrina Dubroca) [1412473 1412474] {CVE-2016-9793} - [netdrv] sfc: clear napi_hash state when copying channels (Jarod Wilson) [1401461 1394304] - [lib] mpi: Fix NULL ptr dereference in mpi_powm() (Mateusz Guzik) [1398457 1398458] {CVE-2016-8650} - [scsi] lpfc: Fix eh_deadline setting for sli3 adapters (Ewan Milne) [1430687 1366564] - [md] dm round robin: revert 'use percpu 'repeat_count' and 'current_path' (Mike Snitzer) [1430689 1422567] - [md] dm round robin: do not use this_cpu_ptr() without having preemption disabled (Mike Snitzer) [1430689 1422567] - Revert: [x86] Handle non enumerated CPU after physical hotplug (Prarit Bhargava) [1426633 1373738] - Revert: [x86] smp: Don't try to poke disabled/non-existent APIC (Prarit Bhargava) [1426633 1373738] - Revert: [x86] smpboot: Init apic mapping before usage (Prarit Bhargava) [1426633 1373738] - Revert: [x86] revert 'perf/uncore: Disable uncore on kdump kernel' (Prarit Bhargava) [1426633 1373738] - Revert: [x86] perf/x86/intel/uncore: Fix hardcoded socket 0 assumption in the Haswell init code (Prarit Bhargava) [1426633 1373738] [3.10.0-514.15.1] - [net] vxlan: fix oops in dev_fill_metadata_dst (Paolo Abeni) [1427847 1423068] - [x86] perf/x86/intel/uncore: Fix hardcoded socket 0 assumption in the Haswell init code (Prarit Bhargava) [1426633 1373738] - [x86] revert 'perf/uncore: Disable uncore on kdump kernel' (Prarit Bhargava) [1426633 1373738] - [x86] smpboot: Init apic mapping before usage (Prarit Bhargava) [1426633 1373738] - [x86] smp: Don't try to poke disabled/non-existent APIC (Prarit Bhargava) [1426633 1373738] - [x86] Handle non enumerated CPU after physical hotplug (Prarit Bhargava) [1426633 1373738] - [x86] perf/x86: Fix NMI measurements (Jiri Olsa) [1425804 1405101] - [x86] Warn when NMI handlers take large amounts of time (Jiri Olsa) [1425804 1405101] - [nvme] apply DELAY_BEFORE_CHK_RDY quirk at probe time too (Gustavo Duarte) [1423439 1409122] - [crypto] qat - zero esram only for DH85x devices (Neil Horman) [1422575 1382849] - [crypto] qat - fix bar discovery for c62x (Neil Horman) [1422575 1382849] - [fs] xfs: remove racy hasattr check from attr ops (Brian Foster) [1421202 1395538] - [fs] dlm: free workqueues after the connections (Marcelo Leitner) [1421197 1383710] - [netdrv] igb: re-assign hw address pointer on reset after PCI error (Gustavo Duarte) [1419459 1413043] - [kernel] timekeeping: Increment clock_was_set_seq in timekeeping_init() (Prarit Bhargava) [1418947 1409214] - [kernel] timekeeping: Use timekeeping_update() instead of memcpy() (Prarit Bhargava) [1418947 1409214] - [fs] libceph: no need to drop con->mutex for ->get_authorizer() (Ilya Dryomov) [1418316 1408170] - [fs] libceph: drop len argument of *verify_authorizer_reply() (Ilya Dryomov) [1418316 1408170] - [fs] libceph: verify authorize reply on connect (Ilya Dryomov) [1418316 1408170] - [fs] libceph: no need for GFP_NOFS in ceph_monc_init() (Ilya Dryomov) [1418316 1408170] - [fs] libceph: stop allocating a new cipher on every crypto request (Ilya Dryomov) [1418316 1408170] - [fs] libceph: uninline ceph_crypto_key_destroy() (Ilya Dryomov) [1418316 1408170] - [fs] libceph: remove now unused ceph_{en, de}crypt*() functions (Ilya Dryomov) [1418316 1408170] - [fs] libceph: switch ceph_x_decrypt() to ceph_crypt() (Ilya Dryomov) [1418316 1408170] - [fs] libceph: switch ceph_x_encrypt() to ceph_crypt() (Ilya Dryomov) [1418316 1408170] - [fs] libceph: tweak calcu_signature() a little (Ilya Dryomov) [1418316 1408170] - [fs] libceph: rename and align ceph_x_authorizer::reply_buf (Ilya Dryomov) [1418316 1408170] - [fs] libceph: introduce ceph_crypt() for in-place en/decryption (Ilya Dryomov) [1418316 1408170] - [fs] libceph: introduce ceph_x_encrypt_offset() (Ilya Dryomov) [1418316 1408170] - [fs] libceph: old_key in process_one_ticket() is redundant (Ilya Dryomov) [1418316 1408170] - [fs] libceph: ceph_x_encrypt_bufen() takes in_len (Ilya Dryomov) [1418316 1408170] - [fs] libceph: Remove unnecessary ivsize variables (Ilya Dryomov) [1418316 1408170] - [fs] libceph: Use skcipher (Ilya Dryomov) [1418316 1408170] - [scsi] scsi_lib: correctly retry failed zero length REQ_TYPE_FS commands (Ewan Milne) [1417923 1403849] - [netdrv] ibmvnic: Start completion queue negotiation at server-provided optimum values (Steve Best) [1415144 1403396] - [netdrv] ibmvnic: Fix missing brackets in init_sub_crq_irqs (Steve Best) [1415144 1403396] - [netdrv] ibmvnic: Fix releasing of sub-CRQ IRQs in interrupt context (Steve Best) [1415144 1403396] - [netdrv] ibmvnic: Update MTU after device initialization (Steve Best) [1415144 1403396] - [netdrv] ibmvnic: Fix GFP_KERNEL allocation in interrupt context (Steve Best) [1415144 1403396] - [netdrv] ibmvnic: fix error return code in ibmvnic_probe() (Steve Best) [1415144 1403396] - [netdrv] ibmvnic: convert to use simple_open() (Steve Best) [1415144 1403396] - [netdrv] ibmvnic: Handle backing device failover and reinitialization (Steve Best) [1418309 1403692] - [tools] perf ppc64le: Fix build failure when libelf is not present (Jiri Olsa) [1414710 1376534] - [tools] perf probe ppc64le: Fix probe location when using DWARF (Jiri Olsa) [1414710 1376534] - [tools] perf probe: Add function to post process kernel trace events (Jiri Olsa) [1414710 1376534] - [tools] perf symbols: Fix kallsyms perf test on ppc64le (Jiri Olsa) [1414710 1376534] - [tools] perf powerpc: Fix kprobe and kretprobe handling with kallsyms on ppc64le (Jiri Olsa) [1414710 1376534] - [netdrv] bn2x: Use the correct divisor value for PHC clock readings (Michal Schmidt) [1413996 1175585] - [fs] seq_file: reset iterator to first record for zero offset (Miklos Szeredi) [1413681 1386642] [3.10.0-514.14.1] - [net] dccp: fix freeing skb too early for IPV6_RECVPKTINFO (Hannes Frederic Sowa) [1423462 1423463] {CVE-2017-6074} - [net] sctp: check af before verify address in sctp_addr_id2transport (Xin Long) [1419837 1414389] - [net] sctp: sctp_addr_id2transport should verify the addr before looking up assoc (Xin Long) [1419837 1414389] [3.10.0-

514.13.1] - [fs] gfs2: Reduce contention on gfs2_log_lock (Robert S Peterson) [1422380 1406850] - [fs] gfs2: Inline function meta_lo_add (Robert S Peterson) [1422380 1406850] - [fs] gfs2: Switch tr_touched to flag in transaction (Robert S Peterson) [1422380 1406850] - [fs] xfs: ioends require logically contiguous file offsets (Brian Foster) [1421203 1398005] - [fs] xfs: don't chain ioends during writepage submission (Brian Foster) [1421203 1398005] - [fs] xfs: factor mapping out of xfs_do_writepage (Brian Foster) [1421203 1398005] - [fs] xfs: xfs_cluster_write is redundant (Brian Foster) [1421203 1398005] - [fs] xfs: Introduce writeback context for writepages (Brian Foster) [1421203 1398005] - [fs] xfs: remove xfs_cancel_ioend (Brian Foster) [1421203 1398005] - [fs] xfs: remove nonblocking mode from xfs_vm_writepage (Brian Foster) [1421203 1398005] - [fs] mm/filemap.c: make global sync not clear error status of individual inodes (Brian Foster) [1421203 1398005] [3.10.0-514.12.1] - [fs] fscache: Fix dead object requeue (David Howells) [1420737 1415402] [3.10.0-514.11.1] - [scsi] qla2xxx: Get mutex lock before checking optrom_state (Chad Dupuis) [1418317 1408387] - [mm] memcontrol: do not recurse in direct reclaim (Rik van Riel) [1417192 1397330]

From ELSA-2017-0933-1:

- [3.10.0-514.16.1.0.1.el7.OL7] - [ipc] ipc/sem.c: bugfix for semctl(,GETZCNT) (Manfred Spraul) [orabug 22552377] - Oracle Linux certificates (Alexey Petrenko) - Oracle Linux RHCK Module Signing Key was compiled into kernel (olkmod_signing_key.x509)(alexey.petrenko@oracle.com) - Update x509.genkey [bug 24817676] [3.10.0-514.16.1.el7] - [tty] n_hdlc: get rid of racy n_hdlc.tbuf ('Herton R. Krzesinski') [1429919 1429920] {CVE-2017-2636} - [md] dm rq: cope with DM device destruction while in dm_old_request_fn() (Mike Snitzer) [1430334 1412854] - [fs] nfs: Fix inode corruption in nfs_prime_dcache() (Benjamin Coddington) [1429514 1416532] - [fs] nfs: Don't let readdirplus revalidate an inode that was marked as stale (Benjamin Coddington) [1429514 1416532] - [block] Copy a user iovec if it includes gaps (Jeff Moyer) [1429508 1421263] - [kernel] percpu-refcount: fix reference leak during percpu-atomic transition (Jeff Moyer) [1429507 1418333] - [powerpc] eeh: eeh_pci_enable(): fix checking of post-request state (Steve Best) [1425538 1383670] - [s390] mm: handle PTE-mapped tail pages in fast gup (Hendrik Brueckner) [1423438 1391532] - [net] skbuff: Fix skb checksum partial check (Lance Richardson) [1422964 1411480] - [net] skbuff: Fix skb checksum flag on skb pull (Lance Richardson) [1422964 1411480] - [security] selinux: fix off-by-one in setprocattr (Paul Moore) [1422368 1422369] {CVE-2017-2618} - [virtio] balloon: check the number of available pages in leak balloon (David Hildenbrand) [1417194 1401615] - [infiniband] ib/rdmavt: Only put mmap_info ref if it exists (Jonathan Toppins) [1417191 1391299] - [x86] kvm: x86: make lapic hrtimer pinned (Luiz Capitulino) [1416373 1392593] - [kernel] sched/nohz: Fix affine unpinned timers mess (Luiz Capitulino) [1416373 1392593] - [kernel] nohz: Affine unpinned timers to housekeepers (Luiz Capitulino) [1416373 1392593] - [kernel] tick-sched: add housekeeping_mask cpumask (Luiz Capitulino) [1416373 1392593] - [x86] platform/uv/bau: Add UV4-specific functions (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Fix payload queue setup on UV4 hardware (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Disable software timeout on UV4 hardware (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Populate ->uvhub_version with UV4 version information (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Use generic function pointers (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Add generic function pointers (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Convert uv_physnodeaddr() use to uv_gpa_to_offset() (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Clean up pq_init() (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Clean up and update printks (Frank Ramsay) [1414715 1386692] - [x86] platform/uv/bau: Clean up vertical alignment (Frank Ramsay) [1414715 1386692] - [virtio] virtio-pci: alloc only resources actually used (Laurent Vivier) [1413093 1375153] - [net] avoid signed overflows for SO_{SND|RCV}BUFFORCE (Sabrina Dubroca) [1412473 1412474] {CVE-2016-9793} - [netdrv] sfc: clear napi_hash state when copying channels (Jarod Wilson) [1401461 1394304] - [lib] mpi: Fix NULL ptr dereference in mpi_powm() (Mateusz Guzik) [1398457 1398458] {CVE-2016-8650} - [scsi] lpfc: Fix eh_deadline setting for sli3 adapters (Ewan Milne) [1430687 1366564] - [md] dm round robin: revert 'use percpu 'repeat_count' and 'current_path' (Mike Snitzer) [1430689 1422567] - [md] dm round robin: do not use this_cpu_ptr() without having preemption disabled (Mike Snitzer) [1430689 1422567] - Revert: [x86] Handle non enumerated CPU after physical hotplug (Prarit Bhargava) [1426633 1373738] - Revert: [x86] smp: Don't try to poke disabled/non-existent APIC (Prarit Bhargava) [1426633 1373738] - Revert: [x86] smpboot: Init apic mapping before usage (Prarit Bhargava) [1426633 1373738] - Revert: [x86] revert 'perf/uncore: Disable uncore on kdump kernel' (Prarit Bhargava) [1426633 1373738] - Revert: [x86] perf/x86/intel/uncore: Fix hardcoded socket 0 assumption in the Haswell init code (Prarit Bhargava) [1426633 1373738]

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
NVD	CVE-2016-6786
NVD	CVE-2016-6787
NVD	CVE-2016-8405
NVD	CVE-2016-9191
NVD	CVE-2017-2583
NVD	CVE-2017-2584
NVD	CVE-2017-2596
NVD	CVE-2017-2618
NVD	CVE-2017-5549
NVD	CVE-2017-5551
NVD	CVE-2017-5897
NVD	CVE-2017-5970
NVD	CVE-2017-6001
NVD	CVE-2017-6074
DEBIAN	DSA-3791

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

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Upgrade kernel-bootwrapper

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Upgrade kernel-debug

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Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2. Severe Vulnerabilities

3.2.1. Red Hat: CVE-2015-8660: Important: kernel-rt security and bug fix update (RHSA-2016:1541 (Multiple Advisories)) (redhat_linux-cve-2015-8660)

Description:

The `ovl_setattr` function in `fs/overlayfs/inode.c` in the Linux kernel through 4.3.3 attempts to merge distinct `setattr` operations, which allows local users to bypass intended access restrictions and modify the attributes of arbitrary overlay files via a crafted application.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:0751
SUSE	SUSE-SU-2016:0752
SUSE	SUSE-SU-2016:0755
REDHAT	RHSA-2016:1532
REDHAT	RHSA-2016:1539
REDHAT	RHSA-2016:1541
BID	79671
SECTrack	1034548
UBUNTU	USN-2857-1
UBUNTU	USN-2857-2
UBUNTU	USN-2858-1
UBUNTU	USN-2858-2
UBUNTU	USN-2858-3
NVD	CVE-2015-8660

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like `yum` or `up2date`.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade `kernel-abi-whitelists`

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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Upgrade kernel

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Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

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Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.2. Red Hat: CVE-2016-2053: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-2053)

Description:

The `asn1_ber_decoder` function in `lib/asn1_decoder.c` in the Linux kernel before 4.3 allows attackers to cause a denial of service (panic) via an ASN.1 BER file that lacks a public key, leading to mishandling by the `public_key_verify_signature` function in `crypto/asymmetric_keys/public_key.c`.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1672
SUSE	SUSE-SU-2016:1690
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:1961
SUSE	SUSE-SU-2016:1985
SUSE	SUSE-SU-2016:1994
SUSE	SUSE-SU-2016:1995
SUSE	SUSE-SU-2016:2000
SUSE	SUSE-SU-2016:2001
SUSE	SUSE-SU-2016:2002
SUSE	SUSE-SU-2016:2003
SUSE	SUSE-SU-2016:2005
SUSE	SUSE-SU-2016:2006
SUSE	SUSE-SU-2016:2007

Source	Reference
SUSE	SUSE-SU-2016:2009
SUSE	SUSE-SU-2016:2010
SUSE	SUSE-SU-2016:2011
SUSE	SUSE-SU-2016:2014
SUSE	SUSE-SU-2016:2105
NVD	CVE-2016-2053

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

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Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.3. Red Hat: CVE-2016-2143: Important: kernel security and bug fix update (RHSA-2016:2766 (Multiple Advisories)) (redhat_linux-cve-2016-2143)

Description:

The fork implementation in the Linux kernel before 4.5 on s390 platforms mishandles the case of four page-table levels, which allows local users to cause a denial of service (system crash) or possibly have unspecified other impact via a crafted application, related to arch/s390/include/asm/mmu_context.h and arch/s390/include/asm/pgalloc.h.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1019
SUSE	SUSE-SU-2016:1672
SUSE	SUSE-SU-2016:1690

Source	Reference
SUSE	SUSE-SU-2016:1707
SUSE	SUSE-SU-2016:1764
SUSE	SUSE-SU-2016:2074
REDHAT	RHSA-2016:1539
DEBIAN	DLA-516-1
DEBIAN	DSA-3607

Vulnerability Solution:

- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-abi-whitelists
Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-bootwrapper
Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-debug
Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-debug-debuginfo
Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-debug-devel
Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-debuginfo
Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-debuginfo-common-ppc64
Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-devel
Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-doc
Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

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Upgrade perf-debuginfo

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Upgrade python-perf

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Upgrade python-perf-debuginfo

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Upgrade kernel

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Upgrade kernel-abi-whitelists

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Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-firmware

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-bootwrapper

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Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (pSeries)

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debug

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Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.4. Red Hat: CVE-2016-3134: Important: kernel-rt security and bug fix update (RHSA-2016:1875 (Multiple Advisories)) (redhat_linux-cve-2016-3134)

Description:

The netfilter subsystem in the Linux kernel through 4.5.2 does not validate certain offset fields, which allows local users to gain privileges or cause a denial of service (heap memory corruption) via an IPT_SO_SET_REPLACE setsockopt call.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1672
SUSE	SUSE-SU-2016:1690
SUSE	SUSE-SU-2016:1696
SUSE	SUSE-SU-2016:1764
SUSE	SUSE-SU-2016:1961
SUSE	SUSE-SU-2016:1985
SUSE	SUSE-SU-2016:1994
SUSE	SUSE-SU-2016:1995
SUSE	SUSE-SU-2016:2000
SUSE	SUSE-SU-2016:2001
SUSE	SUSE-SU-2016:2002
SUSE	SUSE-SU-2016:2005
SUSE	SUSE-SU-2016:2006
SUSE	SUSE-SU-2016:2007
SUSE	SUSE-SU-2016:2009
SUSE	SUSE-SU-2016:2010
SUSE	SUSE-SU-2016:2014
SUSE	SUSE-SU-2016:2074
DEBIAN	DLA-516-1
DEBIAN	DSA-3607
BID	84305
UBUNTU	USN-2929-1
UBUNTU	USN-2929-2
UBUNTU	USN-2930-1
UBUNTU	USN-2930-2
UBUNTU	USN-2930-3
UBUNTU	USN-2931-1
UBUNTU	USN-2932-1
UBUNTU	USN-3049-1
UBUNTU	USN-3050-1
NVD	CVE-2016-3134

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.5. Red Hat: CVE-2016-3699: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-3699)

Description:

The Linux kernel, as used in Red Hat Enterprise Linux 7.2 and Red Hat Enterprise MRG 2 and when booted with UEFI Secure Boot enabled, allows local users to bypass intended Secure Boot restrictions and execute untrusted code by appending ACPI tables to the initrd.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
NVD	CVE-2016-3699

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf-debuginfo

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Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.6. Red Hat: CVE-2016-4794: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-4794)

Description:

Use-after-free vulnerability in mm/percpu.c in the Linux kernel through 4.6 allows local users to cause a denial of service (BUG) or possibly have unspecified other impact via crafted use of the mmap and bpf system calls.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	90625
UBUNTU	USN-3053-1
UBUNTU	USN-3054-1
UBUNTU	USN-3055-1
UBUNTU	USN-3056-1
UBUNTU	USN-3057-1
NVD	CVE-2016-4794

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.7. Red Hat: CVE-2016-4997: Important: kernel-rt security and bug fix update (RHSA-2016:1875 (Multiple Advisories)) (redhat_linux-cve-2016-4997)

Description:

The compat IPT_SO_SET_REPLACE and IP6T_SO_SET_REPLACE setsockopt implementations in the netfilter subsystem in the Linux kernel before 4.6.3 allow local users to gain privileges or cause a denial of service (memory corruption) by leveraging in-container root access to provide a crafted offset value that triggers an unintended decrement.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1709
SUSE	SUSE-SU-2016:1710
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:1985
SUSE	SUSE-SU-2016:2018
SUSE	SUSE-SU-2016:2105
SUSE	SUSE-SU-2016:2174
SUSE	SUSE-SU-2016:2177
SUSE	SUSE-SU-2016:2178
SUSE	SUSE-SU-2016:2179
SUSE	SUSE-SU-2016:2180
SUSE	SUSE-SU-2016:2181
DEBIAN	DSA-3607
BID	91451
SECTrack	1036171
UBUNTU	USN-3016-1
UBUNTU	USN-3016-2
UBUNTU	USN-3016-3
UBUNTU	USN-3016-4
UBUNTU	USN-3017-1
UBUNTU	USN-3017-2

Source	Reference
UBUNTU	USN-3017-3
UBUNTU	USN-3018-1
UBUNTU	USN-3018-2
UBUNTU	USN-3019-1
UBUNTU	USN-3020-1
NVD	CVE-2016-4997

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

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Upgrade kernel-abi-whitelists

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Upgrade kernel-debug-devel

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Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.8. Red Hat: CVE-2016-5195: Important: kernel security update (RHSA-2016:2133 (Multiple Advisories)) (redhat_linux-cve-2016-5195)

Description:

Race condition in mm/gup.c in the Linux kernel 2.x through 4.x before 4.8.3 allows local users to gain privileges by leveraging incorrect handling of a copy-on-write (COW) feature to write to a read-only memory mapping, as exploited in the wild in October 2016, aka "Dirty COW."

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	93793
NVD	CVE-2016-5195
UBUNTU	USN-3104-1

Source	Reference
UBUNTU	USN-3104-2
UBUNTU	USN-3105-1
UBUNTU	USN-3105-2
UBUNTU	USN-3106-1
UBUNTU	USN-3106-2
UBUNTU	USN-3106-3
UBUNTU	USN-3106-4
UBUNTU	USN-3107-1
UBUNTU	USN-3107-2
DEBIAN	DLA-670-1
DEBIAN	DSA-3696

Vulnerability Solution:

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debuginfo-common

Update kernel-debuginfo-common to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE

Update kernel-PAE to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE-debuginfo

Update kernel-PAE-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE-devel

Update kernel-PAE-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-xen

Update kernel-xen to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-xen-debuginfo

Update kernel-xen-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-xen-devel

Update kernel-xen-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

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Upgrade kernel-devel

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•Red Hat Enterprise Linux 5.* (iSeries)

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•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-kdump

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•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86)

Upgrade kernel

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•Red Hat Enterprise Linux 5.* (x86)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-kdump-devel

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•Red Hat Enterprise Linux 5.* (s390x)

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•Red Hat Enterprise Linux 5.* (s390x)

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•Red Hat Enterprise Linux 5.* (x86_64)

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Upgrade kernel-debug

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•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE

Update kernel-PAE to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE-debuginfo

Update kernel-PAE-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE-devel

Update kernel-PAE-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen

Update kernel-xen to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen-debuginfo

Update kernel-xen-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen-devel

Update kernel-xen-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (x86)
Upgrade kernel-debuginfo-common-i686
Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86)
Upgrade kernel-devel
Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86)
Upgrade kernel-doc
Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86)
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Upgrade python-perf
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- Red Hat Enterprise Linux 6.* (x86)
Upgrade python-perf-debuginfo
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- Red Hat Enterprise Linux 6.* (pSeries)
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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (pSeries)

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

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Upgrade kernel-debuginfo-common-x86_64

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

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Upgrade kernel-rt-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

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Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.9. Red Hat: CVE-2016-5828: Important: kernel security, bug fix, and enhancement update (RHSA-2016:2574) (redhat_linux-cve-2016-5828)

Description:

The start_thread function in arch/powerpc/kernel/process.c in the Linux kernel through 4.6.3 on powerpc platforms mishandles transactional state, which allows local users to cause a denial of service (invalid process state or TM Bad Thing exception, and system crash) or possibly have unspecified other impact by starting and suspending a transaction before an exec system call.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:2105
DEBIAN	DSA-3616
BID	91415
UBUNTU	USN-3070-1
UBUNTU	USN-3070-2
UBUNTU	USN-3070-3
UBUNTU	USN-3070-4
UBUNTU	USN-3071-1
UBUNTU	USN-3071-2
NVD	CVE-2016-5828

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

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Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.10. Red Hat: CVE-2016-5829: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-5829)

Description:

Multiple heap-based buffer overflows in the hiddev_ioctl_usage function in drivers/hid/usbhid/hiddev.c in the Linux kernel through 4.6.3 allow local users to cause a denial of service or possibly have unspecified other impact via a crafted (1) HIDIOCGUSAGES or (2) HIDIOCSUSAGES ioctl call.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:1985
SUSE	SUSE-SU-2016:2018
SUSE	SUSE-SU-2016:2105
SUSE	SUSE-SU-2016:2174
SUSE	SUSE-SU-2016:2175
SUSE	SUSE-SU-2016:2177
SUSE	SUSE-SU-2016:2178
SUSE	SUSE-SU-2016:2179
SUSE	SUSE-SU-2016:2180
SUSE	SUSE-SU-2016:2181
DEBIAN	DLA-609-1
DEBIAN	DSA-3616
BID	91450
UBUNTU	USN-3070-1
UBUNTU	USN-3070-2
UBUNTU	USN-3070-3
UBUNTU	USN-3070-4
UBUNTU	USN-3071-1
UBUNTU	USN-3071-2
UBUNTU	USN-3072-1
UBUNTU	USN-3072-2
NVD	CVE-2016-5829

Vulnerability Solution:

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debug-debuginfo

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Upgrade kernel-debug-devel

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Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-devel

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Upgrade kernel-doc

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Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

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Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

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•Red Hat Enterprise Linux 6.* (x86_64)

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

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Upgrade kernel-abi-whitelists

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Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade python-perf

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Upgrade python-perf-debuginfo
Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-abi-whitelists
Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-debug
Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-debug-debuginfo
Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-debug-devel
Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-debuginfo
Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-debuginfo-common-x86_64
Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-devel
Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-doc
Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-headers
Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-rt
Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-rt-debug
Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (x86_64)
Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.11. Red Hat: CVE-2016-7914: Important: kernel security, bug fix, and enhancement update (RHSA-2016:2574) (redhat_linux-cve-2016-7914)

Description:

The `assoc_array_insert_into_terminal_node` function in `lib/assoc_array.c` in the Linux kernel before 4.5.3 does not check whether a slot is a leaf, which allows local users to obtain sensitive information from kernel memory or cause a denial of service (invalid pointer dereference and out-of-bounds read) via an application that uses associative-array data structures, as demonstrated by the `keyutils` test suite.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	94138
NVD	CVE-2016-7914

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

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Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

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Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

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Upgrade kernel-devel

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

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Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (x86_64)

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Upgrade kernel-debuginfo-common-x86_64

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Upgrade kernel-tools

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Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.12. Red Hat: CVE-2016-8655: Important: kernel-rt security and bug fix update (RHSA-2017:0387 (Multiple Advisories)) (redhat_linux-cve-2016-8655)

Description:

Race condition in net/packet/af_packet.c in the Linux kernel through 4.8.12 allows local users to gain privileges or cause a denial of service (use-after-free) by leveraging the CAP_NET_RAW capability to change a socket version, related to the packet_set_ring and packet_setsockopt functions.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:3096
SUSE	SUSE-SU-2016:3113
SUSE	SUSE-SU-2016:3116
SUSE	SUSE-SU-2016:3117
SUSE	SUSE-SU-2016:3169
SUSE	SUSE-SU-2016:3183
SUSE	SUSE-SU-2016:3197
SUSE	SUSE-SU-2016:3205
SUSE	SUSE-SU-2016:3206
SUSE	SUSE-SU-2016:3247

Source	Reference
BID	94692
SECTrack	1037403
UBUNTU	USN-3149-1
UBUNTU	USN-3149-2
UBUNTU	USN-3150-1
UBUNTU	USN-3150-2
UBUNTU	USN-3151-1
UBUNTU	USN-3151-2
UBUNTU	USN-3151-3
UBUNTU	USN-3151-4
UBUNTU	USN-3152-1
UBUNTU	USN-3152-2
NVD	CVE-2016-8655
DEBIAN	DLA-772-1

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debuginfo-common-ppc64
Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-devel
Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-doc
Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-headers
Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-tools
Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-tools-debuginfo
Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-tools-libs
Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-tools-libs-devel
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Upgrade perf-debuginfo
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- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade python-perf
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- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade python-perf-debuginfo
Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (pSeries)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-devel

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Upgrade kernel-debug-debuginfo

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.13. Red Hat: CVE-2016-9083: Important: kernel-rt security and bug fix update (RHSA-2017:0387 (Multiple Advisories)) (redhat_linux-cve-2016-9083)

Description:

drivers/vfio/pci/vfio_pci.c in the Linux kernel through 4.8.11 allows local users to bypass integer overflow checks, and cause a denial of service (memory corruption) or have unspecified other impact, by leveraging access to a vfio PCI device file for a VFIO_DEVICE_SET_IRQS ioctl call, aka a "state machine confusion bug."

Affected Nodes:

Affected Nodes:	Additional Information:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	93929
NVD	CVE-2016-9083

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.14. Red Hat: CVE-2016-9793: Important: kernel security, bug fix, and enhancement update (RHSA-2017:0933 (Multiple Advisories)) (redhat_linux-cve-2016-9793)

Description:

The sock_setsockopt function in net/core/sock.c in the Linux kernel before 4.8.14 mishandles negative values of sk_sndbuf and sk_rcvbuf, which allows local users to cause a denial of service (memory corruption and system crash) or possibly have unspecified other impact by leveraging the CAP_NET_ADMIN capability for a crafted setsockopt system call with the (1) SO_SNDBUFSIZE or (2) SO_RCVBUFSIZE option.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	94655

Source	Reference
NVD	CVE-2016-9793
UBUNTU	USN-3168-1
UBUNTU	USN-3168-2
UBUNTU	USN-3169-1
UBUNTU	USN-3169-2
UBUNTU	USN-3169-3
UBUNTU	USN-3169-4
UBUNTU	USN-3170-1
UBUNTU	USN-3170-2
DEBIAN	DLA-772-1

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.15. Red Hat: CVE-2016-9794: Important: kernel security, bug fix, and enhancement update (RHSA-2016:2574) (redhat_linux-cve-2016-9794)

Description:

Race condition in the snd_pcm_period_elapsed function in sound/core/pcm_lib.c in the ALSA subsystem in the Linux kernel before 4.7 allows local users to cause a denial of service (use-after-free) or possibly have unspecified other impact via a crafted SNDRV_PCM_TRIGGER_START command.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

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Source	Reference
SUSE	SUSE-SU-2016:3146
SUSE	SUSE-SU-2016:3188
SUSE	SUSE-SU-2016:3203
SUSE	SUSE-SU-2016:3217
SUSE	SUSE-SU-2016:3248
SUSE	SUSE-SU-2016:3252
BID	94654
NVD	CVE-2016-9794
UBUNTU	USN-3167-1
UBUNTU	USN-3167-2
UBUNTU	USN-3168-1
UBUNTU	USN-3168-2
UBUNTU	USN-3169-1
UBUNTU	USN-3169-2
UBUNTU	USN-3169-3
UBUNTU	USN-3169-4
DEBIAN	DLA-772-1

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

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Upgrade perf-debuginfo

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Upgrade kernel-abi-whitelists

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Upgrade kernel-debug

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Upgrade kernel-tools-libs

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3.2.16. Red Hat: CVE-2017-2636: Important: kernel security update (RHSA-2017:1126 (Multiple Advisories)) (redhat_linux-cve-2017-2636)

Description:

Race condition in drivers/tty/n_hdlc.c in the Linux kernel through 4.10.1 allows local users to gain privileges or cause a denial of service (double free) by setting the HDLC line discipline.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	96732
NVD	CVE-2017-2636
UBUNTU	USN-3218-1
UBUNTU	USN-3219-1
UBUNTU	USN-3219-2
UBUNTU	USN-3220-1
UBUNTU	USN-3220-2
UBUNTU	USN-3220-3
UBUNTU	USN-3221-1
UBUNTU	USN-3221-2
DEBIAN	DLA-849-1
DEBIAN	DSA-3804

Vulnerability Solution:

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

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Upgrade kernel-debuginfo-common-ppc64

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Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.17. Red Hat: CVE-2017-6074: Important: kernel security and bug fix update (RHSA-2017:0501 (Multiple Advisories)) (redhat_linux-cve-2017-6074)

Description:

The dccp_rcv_state_process function in net/dccp/input.c in the Linux kernel through 4.9.11 mishandles DCCP_PKT_REQUEST packet data structures in the LISTEN state, which allows local users to obtain root privileges or cause a denial of service (double free) via an application that makes an IPV6_RECVPKTINFO setsockopt system call.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	96310
NVD	CVE-2017-6074
UBUNTU	USN-3206-1
UBUNTU	USN-3207-1
UBUNTU	USN-3207-2
UBUNTU	USN-3208-1
UBUNTU	USN-3208-2
UBUNTU	USN-3209-1
DEBIAN	DLA-833-1
DEBIAN	DSA-3791

Vulnerability Solution:

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-debuginfo-common

Update kernel-debuginfo-common to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE

Update kernel-PAE to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE-debuginfo

Update kernel-PAE-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-PAE-devel

Update kernel-PAE-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-xen

Update kernel-xen to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-xen-debuginfo

Update kernel-xen-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (ia64)

Upgrade kernel-xen-devel

Update kernel-xen-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-debug-debuginfo

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-debuginfo-common

Update kernel-debuginfo-common to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (iSeries)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 5.* (x86)

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Upgrade kernel-xen-debuginfo

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•Red Hat Enterprise Linux 5.* (x86)

Upgrade kernel-xen-devel

Update kernel-xen-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel

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•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-debug

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Upgrade kernel-debuginfo-common

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•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (pSeries)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-debuginfo-common

Update kernel-debuginfo-common to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-debuginfo-common

Update kernel-debuginfo-common to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE

Update kernel-PAE to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE-debuginfo

Update kernel-PAE-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-PAE-devel

Update kernel-PAE-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen

Update kernel-xen to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen-debuginfo

Update kernel-xen-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 5.* (x86_64)

Upgrade kernel-xen-devel

Update kernel-xen-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-bootwrapper

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-devel

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Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debuginfo-common-x86_64

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Upgrade kernel-devel

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-tools

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3.2.18. Red Hat: CVE-2016-4998: Important: kernel security and bug fix update (RHSA-2017:0036 (Multiple Advisories)) (redhat_linux-cve-2016-4998)

Description:

The IPT_SO_SET_REPLACE setsockopt implementation in the netfilter subsystem in the Linux kernel before 4.6 allows local users to cause a denial of service (out-of-bounds read) or possibly obtain sensitive information from kernel heap memory by leveraging in-container root access to provide a crafted offset value that leads to crossing a ruleset blob boundary.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:2105
DEBIAN	DSA-3607
BID	91451
SECTrack	1036171
UBUNTU	USN-3016-1
UBUNTU	USN-3016-2
UBUNTU	USN-3016-3
UBUNTU	USN-3016-4
UBUNTU	USN-3017-1

Source	Reference
UBUNTU	USN-3017-2
UBUNTU	USN-3017-3
UBUNTU	USN-3018-1
UBUNTU	USN-3018-2
UBUNTU	USN-3019-1
UBUNTU	USN-3020-1
NVD	CVE-2016-4998

Vulnerability Solution:

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf

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Upgrade kernel-debug
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Upgrade kernel-debug-debuginfo
Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
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Upgrade kernel-debug-devel
Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-debuginfo
Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-debuginfo-common-i686
Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-debuginfo-common-x86_64
Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-devel
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Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

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Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

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Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade python-perf-debuginfo

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3.2.19. Red Hat: CVE-2016-5696: Important: kernel security and bug fix update (RHSA-2016:1939 (Multiple Advisories)) (redhat_linux-cve-2016-5696)

Description:

net/ipv4/tcp_input.c in the Linux kernel before 4.7 does not properly determine the rate of challenge ACK segments, which makes it easier for remote attackers to hijack TCP sessions via a blind in-window attack.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
REDHAT	RHSA-2016:1631
REDHAT	RHSA-2016:1632
REDHAT	RHSA-2016:1633

Source	Reference
REDHAT	RHSA-2016:1657
REDHAT	RHSA-2016:1664
REDHAT	RHSA-2016:1814
REDHAT	RHSA-2016:1815
BID	91704
SECTrack	1036625
UBUNTU	USN-3070-1
UBUNTU	USN-3070-2
UBUNTU	USN-3070-3
UBUNTU	USN-3070-4
UBUNTU	USN-3071-1
UBUNTU	USN-3071-2
UBUNTU	USN-3072-1
UBUNTU	USN-3072-2
NVD	CVE-2016-5696
DEBIAN	DLA-609-1
DEBIAN	DSA-3659

Vulnerability Solution:

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-abi-whitelists

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Upgrade kernel-bootwrapper

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Upgrade kernel-debug

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Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

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Upgrade kernel-firmware

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-devel

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Upgrade kernel-debuginfo

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Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

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•Red Hat Enterprise Linux 7.* (s390x)

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Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

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Upgrade kernel-abi-whitelists

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Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-tools-debuginfo

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3.2.20. Red Hat: CVE-2015-8746: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2015-8746)

Description:

fs/nfs/nfs4proc.c in the NFS client in the Linux kernel before 4.2.2 does not properly initialize memory for migration recovery operations, which allows remote NFS servers to cause a denial of service (NULL pointer dereference and panic) via crafted network traffic.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
NVD	CVE-2015-8746

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-abi-whitelists
Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-bootwrapper
Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debug
Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.
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Upgrade kernel-debug-debuginfo
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Upgrade kernel-debuginfo-common-ppc64
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Upgrade kernel-devel
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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.21. Red Hat: CVE-2015-8844: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2015-8844)

Description:

The signal implementation in the Linux kernel before 4.3.5 on powerpc platforms does not check for an MSR with both the S and T bits set, which allows local users to cause a denial of service (TM Bad Thing exception and panic) via a crafted application.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
NVD	CVE-2015-8844

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (iSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.22. Red Hat: CVE-2015-8845: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2015-8845)

Description:

The tm_reclaim_thread function in arch/powerpc/kernel/process.c in the Linux kernel before 4.4.1 on powerpc platforms does not ensure that TM suspend mode exists before proceeding with a tm_reclaim call, which allows local users to cause a denial of service (TM Bad Thing exception and panic) via a crafted application.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1690
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:2105
NVD	CVE-2015-8845

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

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Upgrade kernel-tools-libs

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•Red Hat Enterprise Linux 7.* (s390x)

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Upgrade kernel-abi-whitelists

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Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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Upgrade kernel-debug-devel

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-devel

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf

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Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.23. Red Hat: CVE-2016-2117: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-2117)

Description:

The atl2_probe function in drivers/net/ethernet/atheros/atlx/atlx.c in the Linux kernel through 4.5.2 incorrectly enables scatter/gather I/O, which allows remote attackers to obtain sensitive information from kernel memory by reading packet data.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
DEBIAN	DSA-3607
BID	84500
UBUNTU	USN-2989-1
UBUNTU	USN-2998-1
UBUNTU	USN-3000-1
UBUNTU	USN-3001-1
UBUNTU	USN-3002-1
UBUNTU	USN-3003-1
UBUNTU	USN-3004-1
UBUNTU	USN-3005-1
UBUNTU	USN-3006-1
UBUNTU	USN-3007-1
NVD	CVE-2016-2117

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-tools-debuginfo

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

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Upgrade kernel-kdump-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-rt-debuginfo-common-x86_64

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

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Upgrade kernel-tools

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Upgrade python-perf-debuginfo

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3.2.24. Red Hat: CVE-2016-2384: Moderate: kernel security, bug fix, and enhancement update (RHSA-2017:0817 (Multiple Advisories)) (redhat_linux-cve-2016-2384)

Description:

Double free vulnerability in the snd_usbmidi_create function in sound/usb/midi.c in the Linux kernel before 4.5 allows physically proximate attackers to cause a denial of service (panic) or possibly have unspecified other impact via vectors involving an invalid USB descriptor.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:0911
SUSE	SUSE-SU-2016:1019
SUSE	SUSE-SU-2016:1031
SUSE	SUSE-SU-2016:1032
SUSE	SUSE-SU-2016:1033
SUSE	SUSE-SU-2016:1034
SUSE	SUSE-SU-2016:1035
SUSE	SUSE-SU-2016:1037
SUSE	SUSE-SU-2016:1038
SUSE	SUSE-SU-2016:1039
SUSE	SUSE-SU-2016:1040
SUSE	SUSE-SU-2016:1041

Source	Reference
SUSE	SUSE-SU-2016:1045
SUSE	SUSE-SU-2016:1046
SUSE	SUSE-SU-2016:1102
SUSE	SUSE-SU-2016:1764
SUSE	SUSE-SU-2016:2074
DEBIAN	DLA-439-1
DEBIAN	DSA-3503
BID	83256
UBUNTU	USN-2928-1
UBUNTU	USN-2928-2
UBUNTU	USN-2929-1
UBUNTU	USN-2929-2
UBUNTU	USN-2930-1
UBUNTU	USN-2930-2
UBUNTU	USN-2930-3
UBUNTU	USN-2931-1
UBUNTU	USN-2932-1
NVD	CVE-2016-2384

Vulnerability Solution:

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

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Upgrade perf-debuginfo

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Upgrade python-perf

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Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 6.* (x86)

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Upgrade kernel-debuginfo

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Upgrade kernel-debuginfo-common-i686

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Upgrade kernel-debuginfo-common-s390x

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Upgrade kernel-devel

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Upgrade kernel-headers

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Upgrade kernel-kdump

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Upgrade kernel-kdump-debuginfo

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Upgrade kernel-tools-libs

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Upgrade kernel-rt

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Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.25. Red Hat: CVE-2016-2847: Important: kernel security and bug fix update (RHSA-2017:0217 (Multiple Advisories)) (redhat_linux-cve-2016-2847)

Description:

fs/pipe.c in the Linux kernel before 4.5 does not limit the amount of unread data in pipes, which allows local users to cause a denial of service (memory consumption) by creating many pipes with non-default sizes.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1672
SUSE	SUSE-SU-2016:1690
SUSE	SUSE-SU-2016:1696
SUSE	SUSE-SU-2016:1707
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:2074
DEBIAN	DSA-3503
BID	83870
UBUNTU	USN-2946-1
UBUNTU	USN-2946-2
UBUNTU	USN-2947-1
UBUNTU	USN-2947-2
UBUNTU	USN-2947-3
UBUNTU	USN-2948-1
UBUNTU	USN-2948-2
UBUNTU	USN-2949-1
UBUNTU	USN-2965-2
UBUNTU	USN-2967-1
UBUNTU	USN-2967-2
NVD	CVE-2016-2847

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (x86_64)

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Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.26. Red Hat: CVE-2016-3044: Important: kernel security, bug fix, and enhancement update (RHSA-2016:2574) (redhat_linux-cve-2016-3044)

Description:

The Linux kernel component in IBM PowerKVM 2.1 before 2.1.1.3-65.10 and 3.1 before 3.1.0.2 allows guest OS users to cause a denial of service (host OS infinite loop and hang) via unspecified vectors.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	92123
NVD	CVE-2016-3044

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

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Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (x86_64)

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Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.27. Red Hat: CVE-2016-3070: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-3070)

Description:

The trace_writeback_dirty_page implementation in include/trace/events/writeback.h in the Linux kernel before 4.4 improperly interacts with mm/migrate.c, which allows local users to cause a denial of service (NULL pointer dereference and system crash) or possibly have unspecified other impact by triggering a certain page move.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
DEBIAN	DSA-3607
BID	90518
UBUNTU	USN-3034-1
UBUNTU	USN-3034-2
UBUNTU	USN-3035-1
UBUNTU	USN-3035-2
UBUNTU	USN-3035-3
UBUNTU	USN-3036-1
UBUNTU	USN-3037-1
NVD	CVE-2016-3070

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.28. Red Hat: CVE-2016-4470: Important: kernel security update (RHSA-2016:2133 (Multiple Advisories)) (redhat_linux-cve-2016-4470)

Description:

The key_reject_and_link function in security/keys/key.c in the Linux kernel through 4.6.3 does not ensure that a certain data structure is initialized, which allows local users to cause a denial of service (system crash) via vectors involving a crafted keyctl request2 command.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:1961
SUSE	SUSE-SU-2016:1985
SUSE	SUSE-SU-2016:1994
SUSE	SUSE-SU-2016:1995
SUSE	SUSE-SU-2016:1998
SUSE	SUSE-SU-2016:1999
SUSE	SUSE-SU-2016:2000
SUSE	SUSE-SU-2016:2001
SUSE	SUSE-SU-2016:2002
SUSE	SUSE-SU-2016:2003

Source	Reference
SUSE	SUSE-SU-2016:2005
SUSE	SUSE-SU-2016:2006
SUSE	SUSE-SU-2016:2007
SUSE	SUSE-SU-2016:2009
SUSE	SUSE-SU-2016:2010
SUSE	SUSE-SU-2016:2011
SUSE	SUSE-SU-2016:2014
SUSE	SUSE-SU-2016:2018
SUSE	SUSE-SU-2016:2105
REDHAT	RHSA-2016:1532
REDHAT	RHSA-2016:1539
REDHAT	RHSA-2016:1541
REDHAT	RHSA-2016:1657
DEBIAN	DLA-609-1
DEBIAN	DSA-3607
UBUNTU	USN-3049-1
UBUNTU	USN-3050-1
UBUNTU	USN-3051-1
UBUNTU	USN-3052-1
UBUNTU	USN-3053-1
UBUNTU	USN-3054-1
UBUNTU	USN-3055-1
UBUNTU	USN-3056-1
UBUNTU	USN-3057-1
NVD	CVE-2016-4470

Vulnerability Solution:

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 6.* (pSeries)

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•Red Hat Enterprise Linux 6.* (pSeries)

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•Red Hat Enterprise Linux 6.* (pSeries)

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•Red Hat Enterprise Linux 6.* (pSeries)

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•Red Hat Enterprise Linux 6.* (s390x)

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•Red Hat Enterprise Linux 6.* (s390x)

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•Red Hat Enterprise Linux 6.* (s390x)

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-doc

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Upgrade kernel-debuginfo-common-x86_64

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

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3.2.29. Red Hat: CVE-2016-4581: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-4581)

Description:

fs/pnode.c in the Linux kernel before 4.5.4 does not properly traverse a mount propagation tree in a certain case involving a slave mount, which allows local users to cause a denial of service (NULL pointer dereference and OOPS) via a crafted series of mount system calls.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
DEBIAN	DSA-3607
BID	90607
UBUNTU	USN-2989-1
UBUNTU	USN-2998-1
UBUNTU	USN-3000-1
UBUNTU	USN-3001-1
UBUNTU	USN-3002-1
UBUNTU	USN-3003-1
UBUNTU	USN-3004-1
UBUNTU	USN-3005-1
UBUNTU	USN-3006-1
UBUNTU	USN-3007-1
NVD	CVE-2016-4581

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debug-debuginfo

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Upgrade kernel-debug-devel

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Upgrade kernel-debuginfo-common-ppc64

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Upgrade kernel-doc

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Upgrade kernel-headers

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Upgrade kernel-tools

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.30. Red Hat: CVE-2016-5412: Important: kernel security, bug fix, and enhancement update (RHSA-2016:2574) (redhat_linux-cve-2016-5412)

Description:

arch/powerpc/kvm/book3s_hv_rmhandlers.S in the Linux kernel through 4.7 on PowerPC platforms, when CONFIG_KVM_BOOK3S_64_HV is enabled, allows guest OS users to cause a denial of service (host OS infinite loop) by making a H_CEDE hypercall during the existence of a suspended transaction.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
NVD	CVE-2016-5412
UBUNTU	USN-3084-1
UBUNTU	USN-3084-2
UBUNTU	USN-3084-3
UBUNTU	USN-3084-4

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.31. Red Hat: CVE-2016-6197: Important: kernel-rt security and bug fix update (RHSA-2016:1875 (Multiple Advisories)) (redhat_linux-cve-2016-6197)

Description:

fs/overlayfs/dir.c in the OverlayFS filesystem implementation in the Linux kernel before 4.6 does not properly verify the upper dentry before proceeding with unlink and rename system-call processing, which allows local users to cause a denial of service (system crash) via a rename system call that specifies a self-hardlink.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	91709
UBUNTU	USN-3070-1
UBUNTU	USN-3070-2
UBUNTU	USN-3070-3
UBUNTU	USN-3070-4
NVD	CVE-2016-6197

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.32. Red Hat: CVE-2016-6198: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-6198)

Description:

The filesystem layer in the Linux kernel before 4.5.5 proceeds with post-rename operations after an OverlayFS file is renamed to a self-hardlink, which allows local users to cause a denial of service (system crash) via a rename system call, related to fs/namei.c and fs/open.c.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	91709
NVD	CVE-2016-6198

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

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Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (s390x)

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Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.33. Red Hat: CVE-2016-6327: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-6327)

Description:

drivers/infiniband/ulp/srpt/ib_srpt.c in the Linux kernel before 4.5.1 allows local users to cause a denial of service (NULL pointer dereference and system crash) by using an ABORT_TASK command to abort a device write operation.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	92549
NVD	CVE-2016-6327

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-rt-devel

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Upgrade kernel-rt-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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3.2.34. Red Hat: CVE-2016-6480: Moderate: kernel security, bug fix, and enhancement update (RHSA-2017:0817 (Multiple Advisories)) (redhat_linux-cve-2016-6480)

Description:

Race condition in the `ioctl_send_fib` function in `drivers/scsi/aacraid/commctrl.c` in the Linux kernel through 4.7 allows local users to cause a denial of service (out-of-bounds access or system crash) by changing a certain size value, aka a "double fetch" vulnerability.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:2174
SUSE	SUSE-SU-2016:2175
SUSE	SUSE-SU-2016:2177
SUSE	SUSE-SU-2016:2178
SUSE	SUSE-SU-2016:2179
SUSE	SUSE-SU-2016:2180
SUSE	SUSE-SU-2016:2181
SUSE	SUSE-SU-2016:2230
BID	92214
NVD	CVE-2016-6480
DEBIAN	DLA-609-1
DEBIAN	DSA-3659
UBUNTU	USN-3097-1
UBUNTU	USN-3097-2
UBUNTU	USN-3098-1
UBUNTU	USN-3098-2
UBUNTU	USN-3099-1
UBUNTU	USN-3099-2
UBUNTU	USN-3099-3
UBUNTU	USN-3099-4

Vulnerability Solution:

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Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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Upgrade kernel-debug-devel

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Upgrade kernel-debuginfo

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Upgrade kernel-debuginfo-common-ppc64

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Upgrade kernel-devel

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Upgrade kernel-doc

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Upgrade kernel-firmware

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-devel

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Upgrade kernel-doc

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Upgrade kernel-firmware

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-devel

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Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

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Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

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Upgrade kernel-tools-debuginfo

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Upgrade kernel-tools-libs-devel

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Upgrade perf

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Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade python-perf-debuginfo

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3.2.35. Red Hat: CVE-2016-6828: Important: kernel-rt security and bug fix update (RHSA-2017:0091 (Multiple Advisories)) (redhat_linux-cve-2016-6828)

Description:

The tcp_check_send_head function in include/net/tcp.h in the Linux kernel before 4.7.5 does not properly maintain certain SACK state after a failed data copy, which allows local users to cause a denial of service (tcp_xmit_retransmit_queue use-after-free and system crash) via a crafted SACK option.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	92452
NVD	CVE-2016-6828
DEBIAN	DLA-609-1
DEBIAN	DSA-3659

Vulnerability Solution:

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

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Upgrade kernel-abi-whitelists

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Upgrade kernel-debug

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Upgrade kernel-debug-debuginfo

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (x86)

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Upgrade kernel-bootwrapper

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel-firmware

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Upgrade kernel-debug

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-doc

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Upgrade kernel-firmware

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Upgrade kernel-headers

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Upgrade kernel-bootwrapper

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

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Upgrade kernel-abi-whitelists

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Upgrade kernel-debug

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

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Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.36. Red Hat: CVE-2016-8630: Important: kernel-rt security and bug fix update (RHSA-2017:0387 (Multiple Advisories)) (redhat_linux-cve-2016-8630)

Description:

The `x86_decode_insn` function in `arch/x86/kvm/emulate.c` in the Linux kernel before 4.8.7, when KVM is enabled, allows local users to cause a denial of service (host OS crash) via a certain use of a ModR/M byte in an undefined instruction.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	94459
NVD	CVE-2016-8630
UBUNTU	USN-3161-1
UBUNTU	USN-3161-2
UBUNTU	USN-3161-3
UBUNTU	USN-3161-4
UBUNTU	USN-3162-1
UBUNTU	USN-3162-2

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-abi-whitelists
Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-bootwrapper
Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debug
Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debug-debuginfo
Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

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•Red Hat Enterprise Linux 7.* (s390x)

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Upgrade kernel-debuginfo-common-s390x

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-kdump-devel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

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Upgrade kernel-rt-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-tools-libs

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Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.37. Red Hat: CVE-2016-8650: Important: kernel security, bug fix, and enhancement update (RHSA-2017:0933 (Multiple Advisories)) (redhat_linux-cve-2016-8650)

Description:

The mpi_powm function in lib/mpi/mpi-pow.c in the Linux kernel through 4.8.11 does not ensure that memory is allocated for limb data, which allows local users to cause a denial of service (stack memory corruption and panic) via an add_key system call for an RSA key

with a zero exponent.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	94532
NVD	CVE-2016-8650

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-abi-whitelists
Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-bootwrapper
Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debug
Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debug-debuginfo
Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debug-devel
Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debuginfo
Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debuginfo-common-ppc64
Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

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Upgrade kernel-tools

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3.2.38. Red Hat: CVE-2016-9084: Important: kernel-rt security and bug fix update (RHSA-2017:0387 (Multiple Advisories)) (redhat_linux-cve-2016-9084)

Description:

drivers/vfio/pci/vfio_pci_intrs.c in the Linux kernel through 4.8.11 misuses the kzalloc function, which allows local users to cause a denial of service (integer overflow) or have unspecified other impact by leveraging access to a vfio PCI device file.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	93930
NVD	CVE-2016-9084

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-abi-whitelists
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Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.39. Red Hat: CVE-2015-8956: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2015-8956)

Description:

The rfcomm_sock_bind function in net/bluetooth/rfcomm/sock.c in the Linux kernel before 4.2 allows local users to obtain sensitive information or cause a denial of service (NULL pointer dereference) via vectors involving a bind system call on a Bluetooth RFCOMM socket.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	93326
NVD	CVE-2015-8956
DEBIAN	DLA-670-1
DEBIAN	DSA-3696

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

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Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

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•Red Hat Enterprise Linux 7.* (s390x)

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•Red Hat Enterprise Linux 7.* (x86_64)

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.40. Red Hat: CVE-2016-2069: Moderate: kernel security, bug fix, and enhancement update (RHSA-2017:0817 (Multiple Advisories)) (redhat_linux-cve-2016-2069)

Description:

Race condition in arch/x86/mm/tlb.c in the Linux kernel before 4.4.1 allows local users to gain privileges by triggering access to a paging structure by a different CPU.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:0911
SUSE	SUSE-SU-2016:1102
SUSE	SUSE-SU-2016:2074
DEBIAN	DLA-412-1
DEBIAN	DSA-3503
BID	81809
UBUNTU	USN-2908-1
UBUNTU	USN-2908-2
UBUNTU	USN-2908-3
UBUNTU	USN-2931-1
UBUNTU	USN-2932-1

Source	Reference
UBUNTU	USN-2967-1
UBUNTU	USN-2967-2
UBUNTU	USN-2989-1
UBUNTU	USN-2998-1
NVD	CVE-2016-2069

Vulnerability Solution:

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel

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•Red Hat Enterprise Linux 6.* (s390x)

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•Red Hat Enterprise Linux 6.* (s390x)

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-firmware

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

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Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-bootwrapper

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Upgrade kernel-debuginfo-common-ppc64

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Upgrade kernel-devel

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Upgrade kernel-tools

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Upgrade kernel-debuginfo-common-s390x

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Upgrade kernel-devel

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

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Upgrade kernel-kdump-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-devel

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.41. Red Hat: CVE-2016-7915: Important: kernel security, bug fix, and enhancement update (RHSA-2016:2574) (redhat_linux-cve-2016-7915)

Description:

The hid_input_field function in drivers/hid/hid-core.c in the Linux kernel before 4.6 allows physically proximate attackers to obtain sensitive information from kernel memory or cause a denial of service (out-of-bounds read) by connecting a device, as demonstrated by a Logitech DJ receiver.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	94138
NVD	CVE-2016-7915
DEBIAN	DLA-772-1

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

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•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

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Upgrade kernel-tools-debuginfo

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Upgrade kernel-tools-libs

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Upgrade kernel-headers

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Upgrade kernel-kdump

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.2.42. World writable files exist (unix-world-writable-files)

Description:

World writable files were found on the system. A file that can be written by any user on the system could be a serious security flaw.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	<p>The following world writable files were found.</p> <ul style="list-style-type: none"> /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.39.RData /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.51.RData /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/debug_server.txt /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.30.RData /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.33.RData /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/debug.txt /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.58.RData /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/chiSq_cluster_1_vs_AllOther.RData /opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_commentHistory_2015_12_31_at_15.40.RData /opt/shiny-server/samples/sample-

Affected Nodes:	Additional Information:
	<p>apps/CompareTwoCellTypes/serverCodeForROnly_savedExperiments.r</p> <p>/opt/shiny-server/samples/sample-</p> <p>apps/CompareTwoCellTypes/tryEvansScript_onServer.r/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/stupidest.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/overlayGraph.r/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/testUI_ExperimentPage.r</p> <p>/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.52.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/serverCodeForROnly.r/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/testServer.r/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_commentHistory_2015_12_31_at_16.13.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/debug_observe.txt</p> <p>/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_16.13.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.34.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.54.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/scratch.r/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/data/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/server.R/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.57.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.49.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_16.17.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/testUI.r/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_16.16.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/sbSetup.r/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/tempDF.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/compareCellTypes_fn_plot_2015_12_17_at_15.31.png/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/testUI2.r</p> <p>/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/ui.R/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_commentHistory_2015_12_31_at_16.16.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/cluster_1_vs_AllOther.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/runForMultCellTypes_3Oligo.r/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.28.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_16.05.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at</p>

Affected Nodes:	Additional Information:
	<p>p60_commentHistory_2015_12_31_at_16.17.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/debug_CompareCellTypes.txt/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/compareCellTypes_fn_plot_2015_12_17_at_15.35.png/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.40.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/frontal cortex at p60_cluster_2015_12_31_at_15.55.RData/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/compareCellTypes_fn_plot_2015_12_17_at_15.44.png/opt/shiny-server/samples/sample-apps/CompareTwoCellTypes/cct_fn_plot.png</p>

References:

None

Vulnerability Solution:

For each world-writable file, determine whether there is a good reason for it to be world writable. If not, remove world write permissions for the file.

3.3. Moderate Vulnerabilities

3.3.1. Red Hat: CVE-2015-8374: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2015-8374)

Description:

fs/btrfs/inode.c in the Linux kernel before 4.3.3 mishandles compressed inline extents, which allows local users to obtain sensitive pre-truncation information from a file via a clone action.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	<p>Vulnerable OS: Red Hat Enterprise Linux 7.3</p> <p>kernel - version 3.10.0-327.22.2.el7 is installed</p>

References:

Source	Reference
DEBIAN	DSA-3426
BID	78219
SECTrack	1034895

Source	Reference
UBUNTU	USN-2886-1
UBUNTU	USN-2886-2
UBUNTU	USN-2887-1
UBUNTU	USN-2887-2
UBUNTU	USN-2888-1
UBUNTU	USN-2889-1
UBUNTU	USN-2889-2
UBUNTU	USN-2890-1
UBUNTU	USN-2890-2
UBUNTU	USN-2890-3
NVD	CVE-2015-8374

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.3.2. Red Hat: CVE-2016-3156: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-3156)

Description:

The IPv4 implementation in the Linux kernel before 4.5.2 mishandles destruction of device objects, which allows guest OS users to cause a denial of service (host OS networking outage) by arranging for a large number of IP addresses.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1019
SUSE	SUSE-SU-2016:1672
SUSE	SUSE-SU-2016:1690
SUSE	SUSE-SU-2016:1707
SUSE	SUSE-SU-2016:1764
SUSE	SUSE-SU-2016:2074
DEBIAN	DSA-3607
BID	84428
UBUNTU	USN-2965-1
UBUNTU	USN-2965-2
UBUNTU	USN-2965-3
UBUNTU	USN-2965-4
UBUNTU	USN-2968-1
UBUNTU	USN-2968-2
UBUNTU	USN-2969-1
UBUNTU	USN-2970-1
UBUNTU	USN-2971-1
UBUNTU	USN-2971-2
UBUNTU	USN-2971-3
UBUNTU	USN-2996-1
UBUNTU	USN-2997-1

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

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Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.3.3. Red Hat: CVE-2016-4569: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-4569)

Description:

The `snd_timer_user_params` function in `sound/core/timer.c` in the Linux kernel through 4.6 does not initialize a certain data structure, which allows local users to obtain sensitive information from kernel stack memory via crafted use of the ALSA timer interface.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1672
SUSE	SUSE-SU-2016:1690
SUSE	SUSE-SU-2016:1696
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:1985
SUSE	SUSE-SU-2016:2105
DEBIAN	DLA-516-1
DEBIAN	DSA-3607
BID	90347
UBUNTU	USN-3016-1
UBUNTU	USN-3016-2
UBUNTU	USN-3016-3
UBUNTU	USN-3016-4
UBUNTU	USN-3017-1
UBUNTU	USN-3017-2
UBUNTU	USN-3017-3
UBUNTU	USN-3018-1
UBUNTU	USN-3018-2
UBUNTU	USN-3019-1

Source	Reference
UBUNTU	USN-3020-1
UBUNTU	USN-3021-1
UBUNTU	USN-3021-2
NVD	CVE-2016-4569

Vulnerability Solution:

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

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•Red Hat Enterprise Linux 7.* (pSeries)

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Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

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Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

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•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.3.4. Red Hat: CVE-2016-4578: Important: kernel-rt security, bug fix, and enhancement update (RHSA-2016:2584 (Multiple Advisories)) (redhat_linux-cve-2016-4578)

Description:

sound/core/timer.c in the Linux kernel through 4.6 does not initialize certain r1 data structures, which allows local users to obtain sensitive information from kernel stack memory via crafted use of the ALSA timer interface, related to the (1) snd_timer_user_ccallback and (2) snd_timer_user_tinterrupt functions.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
SUSE	SUSE-SU-2016:1672
SUSE	SUSE-SU-2016:1690
SUSE	SUSE-SU-2016:1937
SUSE	SUSE-SU-2016:1985

Source	Reference
SUSE	SUSE-SU-2016:2105
DEBIAN	DLA-516-1
DEBIAN	DSA-3607
BID	90535
UBUNTU	USN-3016-1
UBUNTU	USN-3016-2
UBUNTU	USN-3016-3
UBUNTU	USN-3016-4
UBUNTU	USN-3017-1
UBUNTU	USN-3017-2
UBUNTU	USN-3017-3
UBUNTU	USN-3018-1
UBUNTU	USN-3018-2
UBUNTU	USN-3019-1
UBUNTU	USN-3020-1
UBUNTU	USN-3021-1
UBUNTU	USN-3021-2
NVD	CVE-2016-4578

Vulnerability Solution:

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

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Upgrade kernel-bootwrapper

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Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

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Upgrade kernel-tools

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•Red Hat Enterprise Linux 7.* (pSeries)

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•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

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Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.3.5. Red Hat: CVE-2016-6136: Moderate: kernel security and bug fix update (RHSA-2017:0307 (Multiple Advisories)) (redhat_linux-cve-2016-6136)

Description:

Race condition in the audit_log_single_execve_arg function in kernel/auditsc.c in the Linux kernel through 4.7 allows local users to bypass intended character-set restrictions or disrupt system-call auditing by changing a certain string, aka a "double fetch" vulnerability.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Vulnerable OS: Red Hat Enterprise Linux 7.3 kernel - version 3.10.0-327.22.2.el7 is installed

References:

Source	Reference
BID	91558
NVD	CVE-2016-6136
DEBIAN	DLA-609-1
DEBIAN	DSA-3659
UBUNTU	USN-3084-1
UBUNTU	USN-3084-2
UBUNTU	USN-3084-3
UBUNTU	USN-3084-4
UBUNTU	USN-3097-1
UBUNTU	USN-3097-2
UBUNTU	USN-3098-1
UBUNTU	USN-3098-2

Vulnerability Solution:

- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-abi-whitelists
Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-bootwrapper
Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-debug
Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (iSeries)
Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade perf

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 6.* (x86)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade kernel

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•Red Hat Enterprise Linux 6.* (pSeries)

Upgrade python-perf-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-firmware

Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (s390x)

Upgrade kernel-kdump-devel

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Upgrade perf-debuginfo

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade python-perf

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•Red Hat Enterprise Linux 6.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-abi-whitelists

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debug-devel

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•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 6.* (x86_64)

Upgrade kernel-debuginfo-common-i686

Update kernel-debuginfo-common-i686 to the latest version available from Red Hat, using tools like yum or up2date.

- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-debuginfo-common-x86_64
Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-devel
Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-doc
Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-firmware
Update kernel-firmware to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade kernel-headers
Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade perf
Update perf to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade perf-debuginfo
Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade python-perf
Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 6.* (x86_64)
Upgrade python-perf-debuginfo
Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel
Update kernel to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-abi-whitelists
Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-bootwrapper
Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debug
Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.
- Red Hat Enterprise Linux 7.* (iSeries)
Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (iSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-bootwrapper

Update kernel-bootwrapper to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-debuginfo-common-ppc64

Update kernel-debuginfo-common-ppc64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (pSeries)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-debuginfo-common-s390x

Update kernel-debuginfo-common-s390x to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump

Update kernel-kdump to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-debuginfo

Update kernel-kdump-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade kernel-kdump-devel

Update kernel-kdump-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (s390x)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel

Update kernel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-abi-whitelists

Update kernel-abi-whitelists to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug

Update kernel-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-debuginfo

Update kernel-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debug-devel

Update kernel-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo

Update kernel-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-debuginfo-common-x86_64

Update kernel-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-devel

Update kernel-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-doc

Update kernel-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-headers

Update kernel-headers to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt

Update kernel-rt to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug

Update kernel-rt-debug to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-debuginfo

Update kernel-rt-debug-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debug-devel

Update kernel-rt-debug-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo

Update kernel-rt-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-debuginfo-common-x86_64

Update kernel-rt-debuginfo-common-x86_64 to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-devel

Update kernel-rt-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-doc

Update kernel-rt-doc to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace

Update kernel-rt-trace to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-debuginfo

Update kernel-rt-trace-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-rt-trace-devel

Update kernel-rt-trace-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools

Update kernel-tools to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-debuginfo

Update kernel-tools-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs

Update kernel-tools-libs to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade kernel-tools-libs-devel

Update kernel-tools-libs-devel to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf

Update perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade perf-debuginfo

Update perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf

Update python-perf to the latest version available from Red Hat, using tools like yum or up2date.

•Red Hat Enterprise Linux 7.* (x86_64)

Upgrade python-perf-debuginfo

Update python-perf-debuginfo to the latest version available from Red Hat, using tools like yum or up2date.

3.3.6. Partition Mounting Weakness (unix-partition-mounting-weakness)

Description:

One or more of the system's partitions are mounted without certain hardening options enabled. While this is not a definite vulnerability on its own, system security may be improved by employing hardening techniques.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	The following issues were discovered: /boot partition does not have 'nodev' option set. /var partition does not have 'nosuid' option set. /var partition does not have 'noexec' option set. /var partition does not have 'nodev' option set. /var/lib/nfs/rpc_pipefs partition does not have 'nodev' option set. /var/log partition does not have 'nodev' option set. /local partition does not have 'nodev' option set.

References:

None

Vulnerability Solution:

The specific way to modify the partition mount options varies from system to system. Consult your operating system's manual or mount man page.

3.3.7. User home directory mode unsafe (unix-user-home-dir-mode)

Description:

A user's home directory was found to have permission mode above 750 (Owner=READ/WRITE/EXECUTE, Group=READ/EXECUTE, Other=NONE). "Group" or "Other" WRITE permissions means that a malicious user may gain complete access to user data by escalating privileges. In addition "read" and "execute" access for "Other" should always be disabled (sensitive data access).

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	The permissions for home directory of user rcalixte was found to be 755 instead of 750.
69.173.125.60	The permissions for home directory of user nrpe was found to be 775 instead of 750.
69.173.125.60	The permissions for home directory of user nagios was found to be 755 instead of 750.

References:

None

Vulnerability Solution:

Restrict the user home directory mode to at most 750 using the command:
 chmod 750 userDir

3.3.8. TCP timestamp response (generic-tcp-timestamp)

Description:

The remote host responded with a TCP timestamp. The TCP timestamp response can be used to approximate the remote host's uptime, potentially aiding in further attacks. Additionally, some operating systems can be fingerprinted based on the behavior of their TCP timestamps.

Affected Nodes:

Affected Nodes:	Additional Information:
69.173.125.60	Able to determine system boot time.

References:

Source	Reference
URL	http://uptime.netcraft.com
URL	http://www.forensicswiki.org/wiki/TCP_timestamps
URL	http://www.ietf.org/rfc/rfc1323.txt

Vulnerability Solution:

•Cisco

Disable TCP timestamp responses on Cisco

Run the following command to disable TCP timestamps:

```
no ip tcp timestamp
```

•FreeBSD

Disable TCP timestamp responses on FreeBSD

Set the value of net.inet.tcp.rfc1323 to 0 by running the following command:

```
sysctl -w net.inet.tcp.rfc1323=0
```

Additionally, put the following value in the default sysctl configuration file, generally sysctl.conf:

```
net.inet.tcp.rfc1323=0
```

•Linux

Disable TCP timestamp responses on Linux

Set the value of net.ipv4.tcp_timestamps to 0 by running the following command:

```
sysctl -w net.ipv4.tcp_timestamps=0
```

Additionally, put the following value in the default sysctl configuration file, generally sysctl.conf:

```
net.ipv4.tcp_timestamps=0
```

- OpenBSD

Disable TCP timestamp responses on OpenBSD

Set the value of net.inet.tcp.rfc1323 to 0 by running the following command:

```
sysctl -w net.inet.tcp.rfc1323=0
```

Additionally, put the following value in the default sysctl configuration file, generally sysctl.conf:

```
net.inet.tcp.rfc1323=0
```

- Microsoft Windows NT, Microsoft Windows NT Workstation, Microsoft Windows NT Server, Microsoft Windows NT Advanced Server, Microsoft Windows NT Server, Enterprise Edition, Microsoft Windows NT Server, Terminal Server Edition, Microsoft Windows 95, Microsoft Windows 98, Microsoft Windows 98SE, Microsoft Windows ME, Microsoft Windows 2000, Microsoft Windows 2000 Professional, Microsoft Windows 2000 Server, Microsoft Windows 2000 Advanced Server, Microsoft Windows 2000 Datacenter Server, Microsoft Windows XP, Microsoft Windows XP Home, Microsoft Windows XP Professional, Microsoft Windows XP Tablet PC Edition, Microsoft Windows CE, Microsoft Windows Server 2003, Microsoft Windows Server 2003, Standard Edition, Microsoft Windows Server 2003, Enterprise Edition, Microsoft Windows Server 2003, Datacenter Edition, Microsoft Windows Server 2003, Web Edition, Microsoft Windows Small Business Server 2003, Microsoft Windows Server 2003 R2, Microsoft Windows Server 2003 R2, Standard Edition, Microsoft Windows Server 2003 R2, Enterprise Edition, Microsoft Windows Server 2003 R2, Datacenter Edition, Microsoft Windows Server 2003 R2, Web Edition, Microsoft Windows Small Business Server 2003 R2, Microsoft Windows Server 2003 R2, Express Edition, Microsoft Windows Server 2003 R2, Workgroup Edition

Disable TCP timestamp responses on Windows versions before Vista

Set the Tcp1323Opts value in the following key to 1:

```
HKEY_LOCAL_MACHINE\System\CurrentControlSet\Services\Tcpip\Parameters
```

- Microsoft Windows Server 2008, Microsoft Windows Server 2008 Standard Edition, Microsoft Windows Server 2008 Enterprise Edition, Microsoft Windows Server 2008 Datacenter Edition, Microsoft Windows Server 2008 HPC Edition, Microsoft Windows Server 2008 Web Edition, Microsoft Windows Server 2008 Storage Edition, Microsoft Windows Small Business Server 2008, Microsoft Windows Essential Business Server 2008, Microsoft Windows Server 2008 R2, Microsoft Windows Server 2008 R2, Standard Edition, Microsoft Windows Server 2008 R2, Enterprise Edition, Microsoft Windows Server 2008 R2, Datacenter Edition, Microsoft Windows Server 2008

R2, Web Edition, Microsoft Windows Server 2012, Microsoft Windows Server 2012 Standard Edition, Microsoft Windows Server 2012 Foundation Edition, Microsoft Windows Server 2012 Essentials Edition, Microsoft Windows Server 2012 Datacenter Edition, Microsoft Windows Storage Server 2012, Microsoft Windows Vista, Microsoft Windows Vista Home, Basic Edition, Microsoft Windows Vista Home, Basic N Edition, Microsoft Windows Vista Home, Premium Edition, Microsoft Windows Vista Ultimate Edition, Microsoft Windows Vista Enterprise Edition, Microsoft Windows Vista Business Edition, Microsoft Windows Vista Business N Edition, Microsoft Windows Vista Starter Edition, Microsoft Windows 7, Microsoft Windows 7 Home, Basic Edition, Microsoft Windows 7 Home, Basic N Edition, Microsoft Windows 7 Home, Premium Edition, Microsoft Windows 7 Home, Premium N Edition, Microsoft Windows 7 Ultimate Edition, Microsoft Windows 7 Ultimate N Edition, Microsoft Windows 7 Enterprise Edition, Microsoft Windows 7 Enterprise N Edition, Microsoft Windows 7 Professional Edition, Microsoft Windows 7 Starter Edition, Microsoft Windows 7 Starter N Edition, Microsoft Windows 8, Microsoft Windows 8 Enterprise Edition, Microsoft Windows 8 Professional Edition, Microsoft Windows 8 RT, Microsoft Windows Longhorn Server Beta

Disable TCP timestamp responses on Windows versions since Vista

TCP timestamps cannot be reliably disabled on this OS. If TCP timestamps present enough of a risk, put a firewall capable of blocking TCP timestamp packets in front of the affected assets.

4. Discovered Services

4.1. SSH

SSH, or Secure SHell, is designed to be a replacement for the aging Telnet protocol. It primarily adds encryption and data integrity to Telnet, but can also provide superior authentication mechanisms such as public key authentication.

4.1.1. Discovered Instances of this Service

Device	Protocol	Port	Vulnerabilities	Additional Information
69.173.125.60	tcp	22	0	<ul style="list-style-type: none">•OpenBSD OpenSSH 6.6.1•ssh.banner: SSH-2.0-OpenSSH_6.6.1•ssh.protocol.version: 2.0•ssh.rsa.pubkey.fingerprint: CDD923AA4D751611506AB9884BC1 6091

5. Discovered Users and Groups

5.1. System

5.1.1. 69.173.125.60

Account Name	Type	Additional Information
adm	Group	•group-id: 4
audio	Group	•group-id: 63
avahi-autoipd	Group	•group-id: 170
bin	Group	•group-id: 1
broad	Group	•group-id: 1015
cdrom	Group	•group-id: 11
daemon	Group	•group-id: 2
dbus	Group	•group-id: 81
dialout	Group	•group-id: 18
dip	Group	•group-id: 40
disk	Group	•group-id: 6
floppy	Group	•group-id: 19
ftp	Group	•group-id: 50
games	Group	•group-id: 20
ganglia	Group	•group-id: 993
halt	User	<ul style="list-style-type: none"> •gid: 0 •loginShell: /sbin/halt •password: x •user-id: 7 •userDir: /sbin
input	Group	•group-id: 998
kmem	Group	•group-id: 9
lock	Group	•group-id: 54
lp	Group	•group-id: 7
mail	Group	•group-id: 12

Account Name	Type	Additional Information
man	Group	•group-id: 15
mem	Group	•group-id: 8
nagios	Group	•group-id: 992
nfsnobody	Group	•group-id: 65534
nobody	Group	•group-id: 99
nrpe	Group	•group-id: 991
ntp	Group	•group-id: 38
operator	User	<ul style="list-style-type: none"> •gid: 0 •loginShell: /sbin/nologin •password: x •user-id: 11 •userDir: /root
polkitd	Group	•group-id: 995
postdrop	Group	•group-id: 90
postfix	Group	•group-id: 89
puppet	Group	•group-id: 52
rcalixte	User	<ul style="list-style-type: none"> •full-name: Riccardo Calixte •gid: 1015 •loginShell: /bin/bash •password: x •user-id: 9561 •userDir: /home/rcalixte
root	Group	
rpc	Group	•group-id: 32
rpcuser	Group	•group-id: 29
sarab	Group	•group-id: 1001
screen	Group	•group-id: 84
shiny	Group	•group-id: 1000
shutdown	User	<ul style="list-style-type: none"> •gid: 0 •loginShell: /sbin/shutdown •password: x •user-id: 6 •userDir: /sbin

Account Name	Type	Additional Information
slocate	Group	•group-id: 21
ssh_keys	Group	•group-id: 999
sshd	Group	•group-id: 74
sssd	Group	•group-id: 994
sync	User	<ul style="list-style-type: none"> •gid: 0 •loginShell: /bin/sync •password: x •user-id: 5 •userDir: /sbin
sys	Group	•group-id: 3
systemd-bus-proxy	Group	•group-id: 997
systemd-journal	Group	•group-id: 190
systemd-network	Group	•group-id: 996
tape	Group	•group-id: 30
tss	Group	•group-id: 59
tty	Group	•group-id: 5
users	Group	•group-id: 100
usher	User	<ul style="list-style-type: none"> •gid: 1000 •loginShell: /bin/bash •password: x •user-id: 1001 •userDir: /home/usher
utempter	Group	•group-id: 35
utmp	Group	•group-id: 22
video	Group	•group-id: 39
wheel	Group	•group-id: 10

6. Discovered Databases

No database information was discovered during the scan.

7. Discovered Files and Directories

No file or directory information was discovered during the scan.

8. Policy Evaluations

No policy evaluations were performed.

9. Spidered Web Sites

No web sites were spidered during the scan.