CVE-2016-9755

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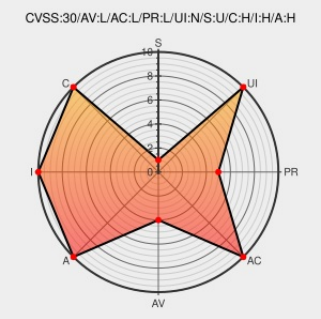
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Linux Kernel from Linux contain the following vulnerability:

The netfilter subsystem in the Linux kernel before 4.9 mishandles IPv6 reassembly, which allows local users to cause a denial of service (integer overflow, out-of-bounds write, and GPF) or possibly have unspecified other impact via a crafted application that makes socket, connect, and writev system calls, related to net/ipv6/netfilter/nf_conntrack_reasm.c and net/ipv6/netfilter/nf_defrag_ipv6_hooks.c.

CVE-2016-9755 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.8 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
LOCAL	LOW	LOW	NONE
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 4.6 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
oss-security - CVE Request: Linux: net: out-of-bounds due do a	Mailing List www.openwall.com	MLIST [oss-security] 20161201 CVE Request: Linux: net: out-of-bounds due do a signedness issue when defragging ipv6

signedness issue when defragging ipv6	text/html	
Linux Kernel CVE-2016-9755 Out of Bounds Write Security Vulnerability	cve.report (archive) text/html	BID 94626
[PATCH 10/11] netfilter: ipv6: nf_defrag: drop mangled skb on ream error — Netdev	Mailing List Patch www.spinics.net text/html	MLIST [netdev] 20161130 [PATCH 10/11] netfilter: ipv6: nf_defrag: drop mangled skb on ream error
kernel/git/torvalds/linux.git - Linux kernel source tree	Patch Vendor Advisory git.kernel.org text/html	CONFIRM git.kernel.org/cgit/linux/kernel/git/torvalds/linux.git/commit/?id=9b57da0630c9fd36ed7a20fc0f98dc82cc0777fa
Bug 1400904 – CVE-2016-9755 kernel: netfilter: Out-of-bounds write due to a signedness issue when defragmenting IPv6 packets	Issue Tracking bugzilla.redhat.com text/html	CONFIRM bugzilla.redhat.com/show_bug.cgi?id=1400904
netfilter: ipv6: nf_defrag: drop mangled skb on ream error · torvalds/linux@9b57da0 · GitHub	github.com text/html	CONFIRM github.com/torvalds/linux/commit/9b57da0630c9fd36ed7a20fc0f98dc82cc0777fa
Google Groups	groups.google.com text/html	CONFIRM groups.google.com/forum/#!topic/syzkaller/GFbGpX7nTEo

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There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

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

cpe:2.3:o:linux:linux_kernel:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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Next ID→