



CVE-2016-6197

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064_img.jpg\)](#)

Summary

CVE	CVE-2016-6197
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-08-06 20:59:00 UTC
Updated	2019-12-27 16:08:00 UTC
Description	fs/overlays/dir.c in the OverlayFS filesystem implementation in the Linux kernel before 4.6 does not properly verify the upper

Risk And Classification

Problem Types: CWE-20

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Linux	Linux Kernel	All	All	All	All
Operating System	Oracle	Linux	6	All	All	All
Operating System	Oracle	Linux	6	All	All	All
Operating System	Oracle	Vm Server	3.4	All	All	All
Operating System	Oracle	Vm Server	3.4	All	All	All

References

Reference	Source
USN-3070-2: Linux kernel (Raspberry Pi 2) vulnerabilities Ubuntu	UBUNTU
oss-security - Re: cvs request: local DoS using rename syscall on overlays on top of xfs to crash the kernel - Linux kernel	MLIST
Oracle Linux Bulletin - July 2016	CONFIRMED
Linux Kernel xfsoverlay Rename Bugs Let Local Users Cause Denial of Service Conditions on the Target System - SecurityTracker	SECURITY
kernel/git/torvalds/linux.git - Linux kernel source tree	CONFIRMED
Linux Kernel Multiple Denial of Service Vulnerabilities	BID
USN-3070-4: Linux kernel (Xenial HWE) vulnerabilities Ubuntu	UBUNTU
ovl: verify upper dentry before unlink and rename · torvalds/linux@11f3710 · GitHub	CONFIRMED
Oracle VM Server for x86 Bulletin - July 2016	CONFIRMED

Red Hat Customer Portal	REDHA
Bug 1355650 – CVE-2016-6197 kernel: overlays: missing upper dentry verification before unlink and rename	CONFIF
Red Hat Customer Portal	REDHA
USN-3070-1: Linux kernel vulnerabilities Ubuntu	UBUNT
USN-3070-3: Linux kernel (Qualcomm Snapdragon) vulnerabilities Ubuntu	UBUNT
CVE Program record	CVE.OF
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[671064](#) EulerOS Security Update for kernel (EulerOS-SA-2019-2599)

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