



CVE-2019-17347

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CVE-2019-17347

[Source: Mitre](#)[Source: NIST](#)[CVE.ORG](#)[Print: PDF](#) 

Certain versions of [Debian Linux](#) from [Debian](#) contain the following vulnerability:

An issue was discovered in Xen through 4.11.x allowing x86 PV guest OS users to cause a denial of service or gain privileges because a guest can manipulate its virtualised %cr4 in a way that is incompatible with Linux (and possibly other guest kernels).

CVE-2019-17347 has been assigned by [M](#) 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
Debian -- Security Information -- DSA-4602-1 xen	www.debian.org Deprecated Link text/html	@ DEBIAN DSA-4602
XSA-293 - Xen Security Advisories	Vendor Advisory	MISC xenbits.xen.org/xsa/advisory-293.html

xenbits.xen.org
[text/html](#)

XSA-293 - Xen Security Advisories

xenbits.xen.org
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 [CONFIRM xenbits.xen.org/xsa/advisory-293.html](https://xenbits.xen.org/xsa/advisory-293.html)

oss-security - Xen Security Advisory 293 v4 (CVE-2019-17347) - x86: PV kernel context switch corruption

www.openwall.com
[text/html](#)

 [MLIST \[oss-security\] 20191025 Xen Security Advisory 293 v4 \(CVE-2019-17347\) - x86: PV kernel context switch corruption](#)

Bugtraq: [SECURITY] [DSA 4602-1] xen security update

seclists.org
[text/html](#)

 [BUGTRAQ 20200114 \[SECURITY\] \[DSA 4602-1\] xen security update](#)

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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	Debian	Debian Linux	10.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Xen	Xen	All	All	All	All
cpe:2.3:o:debian:debian_linux:10.0:*****:*						
cpe:2.3:o:debian:debian_linux:9.0:*****:*						
cpe:2.3:o:xen:xen:*****:*						

No vendor comments have been submitted for this CVE

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