

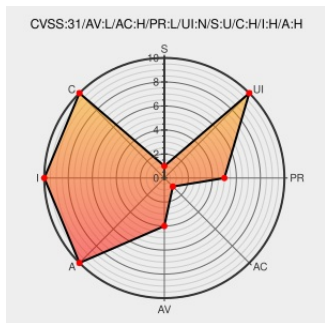


# CVE-2019-17342

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## CVE-2019-17342

[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 by leveraging a race condition that arose when XENMEM\_exchange was introduced.

CVE-2019-17342 has been assigned by [M](#) cve@mitre.org to track the vulnerability - currently rated as **HIGH** severity.

CVSS3 Score: **7 - HIGH**

| Attack Vector    | Attack Complexity      | Privileges Required | User Interaction    |
|------------------|------------------------|---------------------|---------------------|
| <b>LOCAL</b>     | <b>HIGH</b>            | <b>LOW</b>          | <b>NONE</b>         |
| Scope            | Confidentiality Impact | Integrity Impact    | Availability Impact |
| <b>UNCHANGED</b> | <b>HIGH</b>            | <b>HIGH</b>         | <b>HIGH</b>         |

CVSS2 Score: **4.4 - MEDIUM**

| Access Vector          | Access Complexity | Authentication      |
|------------------------|-------------------|---------------------|
| <b>LOCAL</b>           | <b>MEDIUM</b>     | <b>NONE</b>         |
| Confidentiality Impact | Integrity Impact  | Availability Impact |
| <b>PARTIAL</b>         | <b>PARTIAL</b>    | <b>PARTIAL</b>      |

## CVE References

| Description                                      | Tags                                                                                           | Link                                                       |
|--------------------------------------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------|
| Debian -- Security Information -- DSA-4602-1 xen | <a href="#">www.debian.org</a><br><a href="#">Deprecated Link</a><br><a href="#">text/html</a> | <a href="#">DEBIAN DSA-4602</a>                            |
| XSA-287 - Xen Security Advisories                | <a href="#">Vendor Advisory</a>                                                                | <a href="#">MISC xenbits.xen.org/xsa/advisory-287.html</a> |

xenbits.xen.org  
text/html

XSA-287 - Xen Security Advisories

xenbits.xen.org  
text/html

 CONFIRM xenbits.xen.org/xsa/advisory-287.html

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

seclists.org  
text/html

 BUGTRAQ 20200114 [SECURITY] [DSA 4602-1] xen security update

oss-security - Xen Security Advisory 287 v3 (CVE-2019-17342) - x86: steal\_page violates page\_struct access discipline

www.openwall.com  
text/html

 MLIST [oss-security] 20191025 Xen Security Advisory 287 v3 (CVE-2019-17342) - x86: steal\_page violates page\_struct access discipline

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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                              | <a href="#">Debian</a> | <a href="#">Debian Linux</a> | 10.0    | All    | All     | All      |
| Operating System                              | <a href="#">Debian</a> | <a href="#">Debian Linux</a> | 9.0     | All    | All     | All      |
| Operating System                              | <a href="#">Xen</a>    | <a href="#">Xen</a>          | 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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