



CVE-2016-4480

- MITRE
- NVD
- CVE.ORG
- JSON API
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Summary	
CVE	CVE-2016-4480
State	PUBLISHED
Assigner	mitre
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-05-18 14:59:05 UTC
Updated	2026-05-06 22:30:45 UTC
Description	The guest_walk_tables function in arch/x86/mm/guest_walk.c in Xen 4.6.x and earlier does not properly handle the Page Si

Risk And Classification

Primary CVSS: v3.0 8.4 HIGH from nvd@nist.gov

CVSS:3.0/AV:L/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

Problem Types: CWE-264 | n/a

Version	Source	Type	Score	Severity	Vector
3.0	nvd@nist.gov	Primary	8.4	HIGH	CVSS:3.0/AV:L/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
2.0	nvd@nist.gov	Primary	7.2		AV:L/AC:L/Au:N/C:C/I:C/A:C

CVSS v3.0 Breakdown	
Attack Vector	Local
Attack Complexity	Low
Privileges Required	None
User Interaction	None
Scope	Unchanged
Confidentiality	High
Integrity	High
Availability	

High

CVSS:3.0/AV:L/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

CVSS v2.0 Breakdown

Access Vector

Local

Access Complexity

Low

Authentication

None

Confidentiality

Complete

Integrity

Complete

Availability

Complete

AV:L/AC:L/Au:N/C:C/I:C/A:C

NVD Known Affected Configurations (CPE 2.3)						
Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Oracle	Vm Server	3.2	All	All	All
Operating System	Oracle	Vm Server	3.3	All	All	All
Operating System	Oracle	Vm Server	3.4	All	All	All
Operating System	Xen	Xen	All	All	All	All

Vendor Declared Affected Products				
Source	Vendor	Product	Version	Platforms
CNA	Na	N/a	affected n/a	Not specified

References	
Reference	Source
Oracle VM Server for x86 Bulletin - July 2016	af
Xen CVE-2016-4480 Security Bypass Vulnerability	af
Debian -- Security Information -- DSA-3633-1 xen	af
XSA-176 - Xen Security Advisories	af
Xen PS Table Bit Processing Flaw Lets Local Users on a Guest System Gain Elevated Privileges on the Guest System - SecurityTracker	af
CVE Program record	C
NVD vulnerability detail	N

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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