CVE-2015-8554

Published on: 04/14/2016 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:26:14 PM UTC

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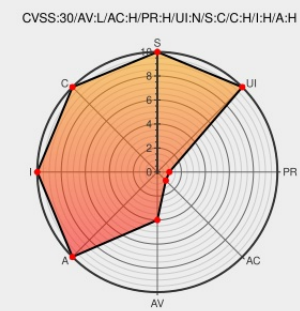

Certain versions of Xen from Xen contain the following vulnerability:

Buffer overflow in hw/pt-msi.c in Xen 4.6.x and earlier, when using the qemu-xen-traditional (aka qemu-dm) device model, allows local x86 HVM guest administrators to gain privileges by leveraging a system with access to a passed-through MSI-X capable physical PCI device and MSI-X table entries, related to a "write path."

CVE-2015-8554 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 7.5 - HIGH

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

CVSS2 Score: 6.6 - MEDIUM

Access Vector	Access Complexity	Authentication
LOCAL	MEDIUM	SINGLE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
Xen 'pt-msi.c' Heap Memory Corruption Vulnerability	cve.report (archive) text/html	BID 79579
XSA-164 - Xen Security Advisories	Vendor Advisory xenbits.xen.org	CONFIRM xenbits.xen.org/xsa/advisory-164.html

	text/html	
Citrix XenServer Multiple Security Updates	Vendor Advisory support.citrix.com text/html	CONFIRM support.citrix.com/article/CTX203879
Oracle VM Server for x86 Bulletin - July 2016	web.archive.org text/html Inactive Link Not Archived	CONFIRM www.oracle.com/technetwork/topics/security/ovmbulletinjul2016-3090546.html
Xen: Multiple vulnerabilities (GLSA 201604-03) — Gentoo Security	security.gentoo.org text/html	GENTOO GLSA-201604-03
Xen Buffer Overflow in qemu-dm Lets Local Administrative Users on a Guest System Gain Elevated Privileges on the Host System - SecurityTracker	www.securitytracker.com text/html	SECTRACK 1034481

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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	Xen	Xen	All	All	All	All

cpe:2.3:o:xen:xen:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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