CVE-2013-6375

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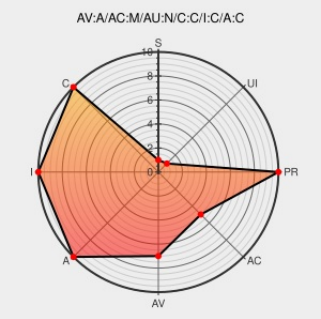
CVE-2013-6375

Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Opensuse from Opensuse contain the following vulnerability:

Xen 4.2.x and 4.3.x, when using Intel VT-d for PCI passthrough, does not properly flush the TLB after clearing a present translation table entry, which allows local guest administrators to cause a denial of service or gain privileges via unspecified vectors related to an "inverted boolean parameter."

CVE-2013-6375 has been assigned by secalert@redhat.com to track the vulnerability

CVSS2 Score: 7.9 - HIGH

Access Vector	Access Complexity	Authentication
ADJACENT_NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
Xen TLB Flushing Error Lets Local Users on the Guest Operating System Deny Service or Gain Elevated Privileges on the Host System - SecurityTracker	Third Party Advisory, VDB Entry, www.securitytracker.com, text/html	SECTRACK 1029369
oss-security - Re: Xen Security Advisory 78 - Insufficient TLB flushing in VT-d (iommu) code	Mailing List, Third Party Advisory, www.openwall.com, text/html	MLIST [oss-security] 20131121 Re: Xen Security Advisory 78 - Insufficient TLB flushing in VT-d (iommu) code
openSUSE-SU-2013:1876-1: moderate: xen: security and bugfix update	Third Party Advisory, lists.opensuse.org, text/html	SUSE openSUSE-SU-2013:1876
Gentoo Linux Documentation -- Xen: Multiple Vunlerabilities	security.gentoo.org	GENTOO GLSA-201407-03

	text/html	
oss-security - Xen Security Advisory 78 - Insufficient TLB flushing in VT-d (iommu) code	Mailing List Third Party Advisory www.openwall.com text/html	MLIST [oss-security] 20131120 Xen Security Advisory 78 - Insufficient TLB flushing in VT-d (iommu) code

There are currently no QIDs associated with this CVE

Exploit/POC from Github

Xen 4.2.x and 4.3.x, when using Intel VT-d for PCI passthrough, does not properly flush the TLB after clearing a pres…

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Opensuse	Opensuse	13.1	All	All	All
Operating System	Opensuse	Opensuse	13.1	All	All	All
Operating System	Xen	Xen	4.2.1	All	All	All
Operating System	Xen	Xen	4.2.2	All	All	All
Operating System	Xen	Xen	4.2.3	All	All	All
Operating System	Xen	Xen	4.3.0	All	All	All
Operating System	Xen	Xen	4.3.1	All	All	All
Operating System	Xen	Xen	4.2.1	All	All	All
Operating System	Xen	Xen	4.2.2	All	All	All
Operating System	Xen	Xen	4.2.3	All	All	All
Operating System	Xen	Xen	4.3.0	All	All	All
Operating System	Xen	Xen	4.3.1	All	All	All

cpe:2.3:o:opensuse:opensuse:13.1:*:*:*:*:*:*:*:

cpe:2.3:o:opensuse:opensuse:13.1:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.2.1:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.2.2:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.2.3:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.3.0:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.3.1:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.2.1:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.2.2:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.2.3:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.3.0:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.3.1:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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