CVE-2016-7093

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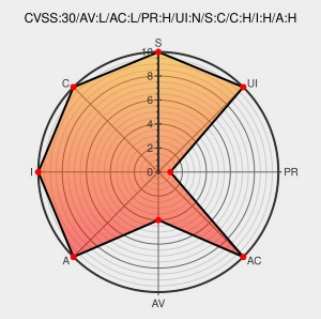
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Xen from Xen contain the following vulnerability:

Xen 4.5.3, 4.6.3, and 4.7.x allow local HVM guest OS administrators to overwrite hypervisor memory and consequently gain host OS privileges by leveraging mishandling of instruction pointer truncation during emulation.

CVE-2016-7093 has been assigned by cve@mitre.org to track the vulnerability - currently rated as HIGH severity.

CVSS3 Score: 8.2 - HIGH

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

CVSS2 Score: 7.2 - HIGH

Access Vector	Access Complexity	Authentication
LOCAL	LOW	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
COMPLETE	COMPLETE	COMPLETE

CVE References

Description	Tags	Link
Xen: Multiple vulnerabilities (GLSA 201611-09) — Gentoo security	security.gentoo.org text/html	GENTOO GLSA-201611-09
XSA-186 - Xen Security Advisories	Patch Vendor Advisory	CONFIRM xenbits.xen.org/xsa/advisory-186.html

	xenbits.xen.org text/html	
Xen Instruction Pointer Truncation Flaw Lets Local Users on a Guest System Gain Elevated Privileges on the Host System - SecurityTracker	Third Party Advisory VDB Entry www.securitytracker.com text/html	SECTRACK 1036752
Citrix XenServer Multiple Security Updates	Third Party Advisory support.citrix.com text/html	CONFIRM support.citrix.com/article/CTX216071
	Patch Vendor Advisory xenbits.xen.org text/x-diff	CONFIRM xenbits.xen.org/xsa/xsa186-0001-x86-emulate-Correct-boundary-interactions-of-emulate.patch
Xen CVE-2016-7093 Local Privilege Escalation Vulnerability	cve.report (archive) text/html	BID 92865

Related QID Numbers

500808 Alpine Linux Security Update for xen

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Xen	Xen	4.5.3	All	All	All
Operating System	Xen	Xen	4.6.3	All	All	All
Operating System	Xen	Xen	4.7.0	All	All	All
Operating System	Xen	Xen	4.5.3	All	All	All
Operating System	Xen	Xen	4.6.3	All	All	All
Operating System	Xen	Xen	4.7.0	All	All	All

cpe:2.3:o:xen:xen:4.5.3:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.6.3:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.7.0:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.5.3:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.6.3:*:*:*:*:*:*:*:

cpe:2.3:o:xen:xen:4.7.0:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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