CVE-2016-1838

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CVE-2016-1838

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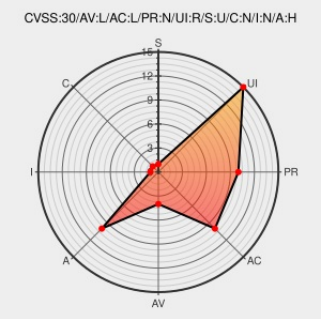

Certain versions of Iphone Os from Apple contain the following vulnerability:

The xmlPArserPrintFileContextInternal function in libxml2 before 2.9.4, as used in Apple iOS before 9.3.2, OS X before 10.11.5, tvOS before 9.2.1, and watchOS before 2.2.1, allows remote attackers to cause a denial of service (heap-based buffer over-read) via a crafted XML document.

CVE-2016-1838 has been assigned by product-security@apple.com to track the vulnerability - currently rated as MEDIUM severity.

CVSS3 Score: 5.5 - MEDIUM

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

CVSS2 Score: 4.3 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
NONE	NONE	PARTIAL

CVE References

Description	Tags	Link
About the security content of OS X El Capitan v10.11.5 and Security Update 2016-003 - Apple Support	Vendor Advisory, support.apple.com, text/html	CONFIRM support.apple.com/HT206567

Apple Mac OS X/watchOS/iOS/tvOS Multiple Security Vulnerabilities	Third Party Advisory VDB Entry cve.report (archive) text/html	BID 90691
639 - libxml2 heap-based buffer overread in xmlParserPrintFileContextInternal - project-zero - Monorail	Exploit Third Party Advisory bugs.chromium.org text/html	MISC bugs.chromium.org/p/project-zero/issues/detail?id=639
APPLE-SA-2016-05-16-2 iOS 9.3.2	Mailing List Vendor Advisory lists.apple.com text/html	APPLE APPLE-SA-2016-05-16-2
USN-2994-1: libxml2 vulnerabilities | Ubuntu	Third Party Advisory www.ubuntu.com text/html	UBUNTU USN-2994-1
Bug 758588 – Heap-based buffer overread in xmlParserPrintFileContextInternal	Exploit Issue Tracking Third Party Advisory bugzilla.gnome.org text/html	CONFIRM bugzilla.gnome.org/show_bug.cgi?id=758588
APPLE-SA-2016-05-16-4 OS X El Capitan 10.11.5 and Security Update 2016-003	Mailing List Vendor Advisory lists.apple.com text/html	APPLE APPLE-SA-2016-05-16-4
Debian -- Security Information -- DSA-3593-1 libxml2	Third Party Advisory www.debian.org Depreciated Link text/html	DEBIAN DSA-3593
Oracle Linux Bulletin - July 2016	Third Party Advisory web.archive.org text/html Inactive Link Not Archived	CONFIRM www.oracle.com/technetwork/topics/security/linuxbulletinjul2016-3090544.html
Apple iOS Multiple Flaws Let Remote Users Execute Arbitrary Code and Deny Service and Let Remote and Local Users Obtain Potentially Sensitive Information - SecurityTracker	Third Party Advisory VDB Entry www.securitytracker.com text/html	SECTRACK 1035890
Apple - Lists.apple.com	Mailing List Vendor Advisory lists.apple.com text/html	APPLE APPLE-SA-2016-05-16-1
libxml2 - XML parser and markup toolkit	Patch Third Party Advisory git.gnome.org text/html	CONFIRM git.gnome.org/browse/libxml2/commit/?id=db07dd613e461df93dde7902c6505629bf0734e9
[R7] LCE 4.8.1 Fixes Multiple Vulnerabilities - Security Advisory | Tenable™	Third Party Advisory www.tenable.com text/html	CONFIRM www.tenable.com/security/tns-2016-18
About the security content of tvOS 9.2.1 - Apple Support	Vendor Advisory support.apple.com text/html	CONFIRM support.apple.com/HT206564
McAfee Security Bulletin: McAfee Web Gateway update fixes several vulnerabilities related to xml parsing	Patch Third Party Advisory kc.mcafee.com	CONFIRM kc.mcafee.com/corporate/index?page=content&id=SB10170

	text/html	
Red Hat Customer Portal	Third Party Advisory access.redhat.com text/html	REDHAT RHSA-2016:1292
Oracle VM Server for x86 Bulletin - July 2016	Third Party Advisory web.archive.org text/html Inactive Link Not Archived	CONFIRM www.oracle.com/technetwork/topics/security/ovmbulletinjul2016-3090546.html
Releases	Release Notes Vendor Advisory xmlsoft.org text/xml	CONFIRM xmlsoft.org/news.html
libxml2: Multiple vulnerabilities (GLSA 201701-37) — Gentoo security	Third Party Advisory security.gentoo.org text/html	GENTOO GLSA-201701-37
APPLE-SA-2016-05-16-3 watchOS 2.2.1	Mailing List Vendor Advisory lists.apple.com text/html	APPLE APPLE-SA-2016-05-16-3
About the security content of iOS 9.3.2 - Apple Support	Vendor Advisory support.apple.com text/html	CONFIRM support.apple.com/HT206568
About the security content of watchOS 2.2.1 - Apple Support	Vendor Advisory support.apple.com text/html	CONFIRM support.apple.com/HT206566
Red Hat Customer Portal	Third Party Advisory web.archive.org text/html Inactive Link Not Archived	REDHAT RHSA-2016:2957
Oracle Solaris Bulletin - July 2016	Third Party Advisory www.oracle.com text/html	CONFIRM www.oracle.com/technetwork/topics/security/bulletinjul2016-3090568.html

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Apple	Iphone Os	All	All	All	All
Operating System	Apple	Iphone Os	All	All	All	All
Operating System	Apple	Mac Os X	All	All	All	All
Operating System	Apple	Mac Os X	All	All	All	All

Operating System	Apple	Tvos	All	All	All	All
Operating System	Apple	Tvos	All	All	All	All
Operating System	Apple	Watchos	All	All	All	All
Operating System	Apple	Watchos	All	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	15.10	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	All	All	All
Operating System	Canonical	Ubuntu Linux	15.10	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Application	Mcafee	Web Gateway	All	All	All	All
Application	Mcafee	Web Gateway	All	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Operating	Redhat	Enterprise Linux Server	7.0	All	All	All

System						
Operating System	Redhat	Enterprise Linux Server Aus	7.2	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.2	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.2	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.2	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.4	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.5	All	All	All
Operating System	Redhat	Enterprise Linux Server Eus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.2	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.3	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.2	All	All	All
Operating	Redhat	Enterprise Linux Server Tus	7.3	All	All	All

Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Tus	7.6	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All
Application	Xmlsoft	Libxml2	All	All	All	All

cpe:2.3:o:apple:iphone_os:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:iphone_os:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:mac_os_x:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:mac_os_x:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:tvos:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:tvos:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:watchos:*:*:*:*:*:*:*:*:

cpe:2.3:o:apple:watchos:*:*:*:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:12.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:15.10:*:*:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:12.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:14.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:15.10:*:*:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:*:

cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*:

cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*:

cpe:2.3:a:mcafee:web_gateway:*:*:*:*:*:*:*:*:

cpe:2.3:a:mcafee:web_gateway:*:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_desktop:6.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_desktop:7.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_desktop:6.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_desktop:7.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server:6.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server:7.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server:6.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server:7.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:7.2:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:7.3:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:7.4:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:7.6:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:7.2:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:7.3:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:7.4:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:7.6:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.2:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.3:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.4:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.5:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.6:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.2:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.3:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.4:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.5:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_eus:7.6:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_tus:7.2:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_tus:7.3:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_tus:7.6:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_tus:7.2:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_tus:7.3:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_tus:7.6:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_workstation:6.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_workstation:7.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_workstation:6.0:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_workstation:7.0:*:*:*:*:*:*:*:

cpe:2.3:a:xmlsoft:libxml2:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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