CVE-2015-7511

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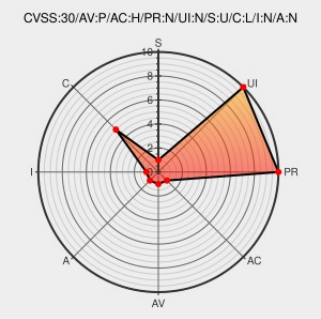
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Ubuntu Linux from Canonical contain the following vulnerability:

Libgcrypt before 1.6.5 does not properly perform elliptic-point curve multiplication during decryption, which makes it easier for physically proximate attackers to extract ECDH keys by measuring electromagnetic emanations.

CVE-2015-7511 has been assigned by secalert@redhat.com to track the vulnerability - currently rated as LOW severity.

CVSS3 Score: 2 - LOW

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

CVSS2 Score: 1.9 - LOW

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

CVE References

Description	Tags	Link
[Announce] Libgcrypt 1.6.5 with security fix released	Vendor Advisory, lists.gnupg.org, text/html	MLIST [gnupg-announce] 20160209 [Announce] Libgcrypt 1.6.5 with security fix released
[SECURITY] Fedora 24 Update: libgcrypt-1.6.5-1.fc24 -	lists.fedoraproject.org	FEDORA FEDORA-2016-83cd045bcc

package-announce - Fedora Mailing-Lists	text/html	
GNU Libgcrypt CVE-2015-7511 Security Bypass Vulnerability	cve.report (archive) text/html	BID 83253
Debian -- Security Information -- DSA-3478-1 libgcrypt11	www.debian.org Depreciated Link text/html	DEBIAN DSA-3478
openSUSE-SU-2016:1227-1: moderate: Security update for libgcrypt	lists.opensuse.org text/html	SUSE openSUSE-SU-2016:1227
Debian -- Security Information -- DSA-3474-1 libgcrypt20	www.debian.org Depreciated Link text/html	DEBIAN DSA-3474
ECDH Key-Extraction via Low-Bandwidth Electromagnetic Attacks on PCs	www.cs.tau.ac.IL text/html	MISC www.cs.tau.ac.IL/~tromer/ecdh/
libgcrypt: Multiple vulnerabilities (GLSA 201610-04) — Gentoo Security	security.gentoo.org text/html	GENTOO GLSA-201610-04
USN-2896-1: Libgcrypt vulnerability | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-2896-1

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	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	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All
Operating System	Debian	Debian Linux	7.0	All	All	All
Operating System	Debian	Debian Linux	8.0	All	All	All

Application	Gnupg	Libgcrypt	All	All	All	All

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: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:debian:debian_linux:7.0:*:*:*:*:*:*:*
cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*
cpe:2.3:o:debian:debian_linux:7.0:*:*:*:*:*:*:*
cpe:2.3:o:debian:debian_linux:8.0:*:*:*:*:*:*:*
cpe:2.3:a:gnupg:libgcrypt:*:*:*:*:*:*:*:*

No vendor comments have been submitted for this CVE

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