CVE-2010-2939

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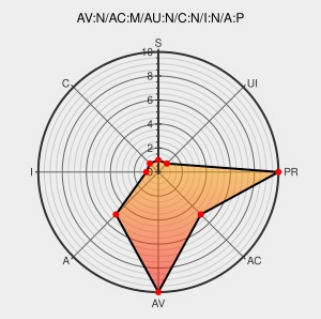
Source: Mitre | Source: NIST | CVE.ORG | Print: PDF



Certain versions of Openssl from Openssl contain the following vulnerability:

Double free vulnerability in the ssl3_get_key_exchange function in the OpenSSL client (ssl/s3_clnt.c) in OpenSSL 1.0.0a, 0.9.8, 0.9.7, and possibly other versions, when using ECDH, allows context-dependent attackers to cause a denial of service (crash) and possibly execute arbitrary code via a crafted private key with an invalid prime. NOTE: some sources refer to this as a use-after-free issue.

CVE-2010-2939 has been assigned by secalert@redhat.com to track the vulnerability

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
Re: openssl-1.0.0a and glibc detected sthg ;)	www.mail-archive.com text/html	MLIST [openssl-dev] 20100808 Re: openssl-1.0.0a and glibc detected sthg ;)
Debian update for openssl - Advisories - Community	web.archive.org text/html	SECUNIA 41105
[security-announce] SUSE Security Summary Report: SUSE-SR:2010:021	lists.opensuse.org text/html	SUSE SUSE-SR:2010:021
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	www.vupen.com text/html	VUPEN ADV-2010-2229
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	www.vupen.com text/html	VUPEN ADV-2010-3077

Debian -- Security Information -- DSA-2100-1 openssl	www.debian.org Depreciated Link text/html	DEBIAN DSA-2100
OpenSSL "ssl3_get_key_exchange()" Use-After-Free Vulnerability - Advisories - Community	Vendor Advisory web.archive.org text/html	SECUNIA 40906
openssl-1.0.0a and glibc detected sthg ;)	www.mail-archive.com text/html	MLIST [openssl-dev] 20100807 openssl-1.0.0a and glibc detected sthg ;)
oss-security - Re: CVE Request: openssl double free	www.openwall.com text/html	MLIST [oss-security] 20100812 Re: CVE Request: openssl double free
SecurityFocus	www.securityfocus.com text/html	BUGTRAQ 20110211 VMSA-2011-0003 Third party component updates for VMware vCenter Server, vCenter Update Manager, ESXi and ESX
VMware ESX Server / ESXi OpenSSL Vulnerabilities - Secunia.com	web.archive.org text/html	SECUNIA 43312
Slackware update for openssl - Secunia.com	web.archive.org text/html	SECUNIA 42309
VMSA-2011-0003	www.vmware.com text/html	CONFIRM www.vmware.com/security/advisories/VMSA-2011-0003.html
'[security bulletin] HPSBMA02662 SSRT100409 rev.1 - HP System Management Homepage (SMH) for Linux and' - MARC	marc.info text/html	HP HPSBMA02662
	security.FreeBSD.org text/plain	FREEBSD FreeBSD-SA-10:10
Full Disclosure: openssl-1.0.0a	seclists.org text/html	FULLDISC 20100807 openssl-1.0.0a
Re: openssl-1.0.0a and glibc detected sthg ;)	www.mail-archive.com text/html	MLIST [openssl-dev] 20100807 Re: openssl-1.0.0a and glibc detected sthg ;)
USN-1003-1: OpenSSL vulnerabilities | Ubuntu	www.ubuntu.com text/html	UBUNTU USN-1003-1
Webmail : Solution de messagerie professionnelle - OVHcloud- OVH	Vendor Advisory www.vupen.com text/html	VUPEN ADV-2010-2038
The Slackware Linux Project: Slackware Security Advisories	slackware.com text/html	SLACKWARE SSA:2010-326-01
SecurityTracker.com Archives - OpenSSL Key Exchange Memory Corruption Error Lets Remote Users Deny Service	securitytracker.com text/html	SECTRACK 1024296
FreeBSD update for openssl - Secunia.com	web.archive.org text/html	SECUNIA 42413

There are currently no QIDs associated with this CVE

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Openssl	Openssl	0.9.7	All	All	All
Application	Openssl	Openssl	0.9.8	All	All	All
Application	Openssl	Openssl	1.0.0a	All	All	All
Application	Openssl	Openssl	0.9.7	All	All	All
Application	Openssl	Openssl	0.9.8	All	All	All
Application	Openssl	Openssl	1.0.0a	All	All	All

cpe:2.3:a:openssl:openssl:0.9.7:*:*:*:*:*:*:*:

cpe:2.3:a:openssl:openssl:0.9.8:*:*:*:*:*:*:*:

cpe:2.3:a:openssl:openssl:1.0.0a:*:*:*:*:*:*:*:

cpe:2.3:a:openssl:openssl:0.9.7:*:*:*:*:*:*:*:

cpe:2.3:a:openssl:openssl:0.9.8:*:*:*:*:*:*:*:

cpe:2.3:a:openssl:openssl:1.0.0a:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

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