



# CVE-2012-2110

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2012-2110
<b>State</b>	PUBLIC
<b>Assigner</b>	secalert@redhat.com
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2012-04-19 17:55:00 UTC
<b>Updated</b>	2018-01-05 02:29:00 UTC
<b>Description</b>	The asn1_d2i_read_bio function in crypto/asn1/a_d2i_fp.c in OpenSSL before 0.9.8v, 1.0.0 before 1.0.0i, and 1.0.1 before

## Risk And Classification

**Problem Types:** CWE-119

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.1c	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.2b	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.3	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.3a	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.4	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.5	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.5	beta1	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.5	beta2	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.5a	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.5a	beta1	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.5a	beta2	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.6	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.6	beta1	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.6	beta2	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.6	beta3	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.6a	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.6a	beta1	All	All

Application	Openssl	Openssl	0.9.6a	beta2	All	All
Application	Openssl	Openssl	0.9.6a	beta3	All	All
Application	Openssl	Openssl	0.9.6b	All	All	All
Application	Openssl	Openssl	0.9.6c	All	All	All
Application	Openssl	Openssl	0.9.6d	All	All	All
Application	Openssl	Openssl	0.9.6e	All	All	All
Application	Openssl	Openssl	0.9.6f	All	All	All
Application	Openssl	Openssl	0.9.6g	All	All	All
Application	Openssl	Openssl	0.9.6h	All	All	All
Application	Openssl	Openssl	0.9.6i	All	All	All
Application	Openssl	Openssl	0.9.6j	All	All	All
Application	Openssl	Openssl	0.9.6k	All	All	All
Application	Openssl	Openssl	0.9.6l	All	All	All
Application	Openssl	Openssl	0.9.6m	All	All	All
Application	Openssl	Openssl	0.9.7	All	All	All
Application	Openssl	Openssl	0.9.7	beta1	All	All
Application	Openssl	Openssl	0.9.7	beta2	All	All
Application	Openssl	Openssl	0.9.7	beta3	All	All
Application	Openssl	Openssl	0.9.7	beta4	All	All
Application	Openssl	Openssl	0.9.7	beta5	All	All
Application	Openssl	Openssl	0.9.7	beta6	All	All
Application	Openssl	Openssl	0.9.7a	All	All	All
Application	Openssl	Openssl	0.9.7b	All	All	All
Application	Openssl	Openssl	0.9.7c	All	All	All
Application	Openssl	Openssl	0.9.7d	All	All	All
Application	Openssl	Openssl	0.9.7e	All	All	All
Application	Openssl	Openssl	0.9.7f	All	All	All
Application	Openssl	Openssl	0.9.7g	All	All	All
Application	Openssl	Openssl	0.9.7h	All	All	All
Application	Openssl	Openssl	0.9.7i	All	All	All
Application	Openssl	Openssl	0.9.7j	All	All	All
Application	Openssl	Openssl	0.9.7k	All	All	All
Application	Openssl	Openssl	0.9.7l	All	All	All
Application	Openssl	Openssl	0.9.7m	All	All	All
Application	Openssl	Openssl	0.9.8	All	All	All



Application	Openssl	Openssl	All	All	All	All
Application	Openssl	Openssl	0.9.1c	All	All	All
Application	Openssl	Openssl	0.9.2b	All	All	All
Application	Openssl	Openssl	0.9.3	All	All	All
Application	Openssl	Openssl	0.9.3a	All	All	All
Application	Openssl	Openssl	0.9.4	All	All	All
Application	Openssl	Openssl	0.9.5	All	All	All
Application	Openssl	Openssl	0.9.5	beta1	All	All
Application	Openssl	Openssl	0.9.5	beta2	All	All
Application	Openssl	Openssl	0.9.5a	All	All	All
Application	Openssl	Openssl	0.9.5a	beta1	All	All
Application	Openssl	Openssl	0.9.5a	beta2	All	All
Application	Openssl	Openssl	0.9.6	All	All	All
Application	Openssl	Openssl	0.9.6	beta1	All	All
Application	Openssl	Openssl	0.9.6	beta2	All	All
Application	Openssl	Openssl	0.9.6	beta3	All	All
Application	Openssl	Openssl	0.9.6a	All	All	All
Application	Openssl	Openssl	0.9.6a	beta1	All	All
Application	Openssl	Openssl	0.9.6a	beta2	All	All
Application	Openssl	Openssl	0.9.6a	beta3	All	All
Application	Openssl	Openssl	0.9.6b	All	All	All
Application	Openssl	Openssl	0.9.6c	All	All	All
Application	Openssl	Openssl	0.9.6d	All	All	All
Application	Openssl	Openssl	0.9.6e	All	All	All
Application	Openssl	Openssl	0.9.6f	All	All	All
Application	Openssl	Openssl	0.9.6g	All	All	All
Application	Openssl	Openssl	0.9.6h	All	All	All
Application	Openssl	Openssl	0.9.6i	All	All	All
Application	Openssl	Openssl	0.9.6j	All	All	All
Application	Openssl	Openssl	0.9.6k	All	All	All
Application	Openssl	Openssl	0.9.6l	All	All	All
Application	Openssl	Openssl	0.9.6m	All	All	All
Application	Openssl	Openssl	0.9.7	All	All	All
Application	Openssl	Openssl	0.9.7	beta1	All	All
Application	Openssl	Openssl	0.9.7	beta2	All	All
Application	Openssl	Openssl	0.9.7	beta3	All	All

Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7	beta4	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7	beta5	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7	beta6	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7a	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7b	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7c	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7d	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7e	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7f	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7g	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7h	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7i	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7j	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7k	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7l	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.7m	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8a	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8b	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8c	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8d	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8e	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8f	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8g	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8h	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8i	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8j	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8k	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8l	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8m	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8m	beta1	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8n	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8o	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8p	All	All	All
Application	<a href="#">Openssl</a>	<a href="#">Openssl</a>	0.9.8q	All	All	All

Application	Openssl	Openssl	0.9.8r	All	All	All
Application	Openssl	Openssl	0.9.8s	All	All	All
Application	Openssl	Openssl	0.9.8t	All	All	All
Application	Openssl	Openssl	1.0.0	All	All	All
Application	Openssl	Openssl	1.0.0	beta1	All	All
Application	Openssl	Openssl	1.0.0	beta2	All	All
Application	Openssl	Openssl	1.0.0	beta3	All	All
Application	Openssl	Openssl	1.0.0	beta4	All	All
Application	Openssl	Openssl	1.0.0	beta5	All	All
Application	Openssl	Openssl	1.0.0a	All	All	All
Application	Openssl	Openssl	1.0.0b	All	All	All
Application	Openssl	Openssl	1.0.0c	All	All	All
Application	Openssl	Openssl	1.0.0d	All	All	All
Application	Openssl	Openssl	1.0.0e	All	All	All
Application	Openssl	Openssl	1.0.0g	All	All	All
Application	Openssl	Openssl	1.0.1	beta1	All	All
Application	Openssl	Openssl	1.0.1	beta2	All	All
Application	Redhat	Openssl	0.9.6-15	All	All	All
Application	Redhat	Openssl	0.9.6b-3	All	All	All
Application	Redhat	Openssl	0.9.7a-2	All	All	All
Application	Redhat	Openssl	0.9.6-15	All	All	All
Application	Redhat	Openssl	0.9.6b-3	All	All	All
Application	Redhat	Openssl	0.9.7a-2	All	All	All

## References

Reference	Source	Link
Security Advisory SA57353 - IBM Storage System DS8870 OpenSSL Multiple Vulnerabilities - Secunia	SECUNIA	<a href="#">secu</a>
Red Hat Customer Portal	REDHAT	<a href="#">rhn.</a>
IBM Security Bulletin: Storage HMC OpenSSL upgrade to address cryptographic vulnerabilities. - United States	CONFIRM	<a href="#">ww</a>
Red Hat Customer Portal	REDHAT	<a href="#">rhn.</a>
mandriva.com	MANDRIVA	<a href="#">ww</a>
Security Advisory SA48942 - Red Hat update for openssl - Secunia	SECUNIA	<a href="#">secu</a>
SSRT101210	HP	<a href="#">h20</a>
Security Alerts - Secunia	SECUNIA	<a href="#">secu</a>
[SECURITY] Fedora 18 Update: mingw-openssl-1.0.1c-1.fc18	FEDORA	<a href="#">lists</a>
2013-05 Security Bulletin: Steel Belted Radius: OpenSSL vulnerability CVE-2012-2110 - Juniper Networks	CONFIRM	<a href="#">kb.j</a>

Security Alerts - Secunia	SECUNIA	<a href="#">secu</a>
[SECURITY] Fedora 17 Update: openssl-1.0.0i-1.fc17	FEDORA	<a href="#">lists</a>
USN-1424-1: OpenSSL vulnerabilities   Ubuntu	UBUNTU	<a href="#">www</a>
cvs.openssl.org/chngview	CONFIRM	<a href="#">cvs.</a>
Collax	CONFIRM	<a href="#">www</a>
www.openssl.org/news/secadv_20120419.txt	CONFIRM	<a href="#">www</a>
Red Hat Customer Portal	REDHAT	<a href="#">rhn.</a>
OpenSSL Encoded ASN.1 Data Integer Truncation Memory Corruption Vulnerability	BID	<a href="#">www</a>
Security Advisory SA48899 - Ubuntu update for openssl - Secunia	SECUNIA	<a href="#">secu</a>
[security-announce] SUSE-SU-2012:0637-1: important: Security update for	SUSE	<a href="#">lists</a>
[SECURITY] Fedora 16 Update: openssl-1.0.0i-1.fc16	FEDORA	<a href="#">lists</a>
Red Hat Customer Portal	REDHAT	<a href="#">rhn.</a>
[security-announce] SUSE-SU-2012:1149-1: important: Security update for	SUSE	<a href="#">lists</a>
OpenSSL asn1_d2i_read_bio() Buffer Overflow Lets Remote Users Execute Arbitrary Code - SecurityTracker	SECTRACK	<a href="#">www</a>
cvs.openssl.org/chngview	CONFIRM	<a href="#">cvs.</a>
About Secunia Research   Flexera	SECUNIA	<a href="#">secu</a>
Debian -- Security Information -- DSA-2454-2 openssl	DEBIAN	<a href="#">www</a>
[SECURITY] Fedora 15 Update: openssl-1.0.0i-1.fc15	FEDORA	<a href="#">lists</a>
81223	OSVDB	<a href="#">osvc</a>
APPLE-SA-2013-06-04-1 OS X Mountain Lion v10.8.4 and Security Update 2013-002	APPLE	<a href="#">lists</a>
Red Hat Customer Portal	REDHAT	<a href="#">rhn.</a>
'[security bulletin] HPSBMMU02776 SSRT100852 rev.1 - HP Onboard Administrator (OA), Remote Unauthorize' - MARC	HP	<a href="#">mar</a>
[security-announce] SUSE-SU-2012:0623-1: important: Security update for	SUSE	<a href="#">lists</a>
'[security bulletin] HPSBUX02782 SSRT100844 rev.1 - HP-UX Running OpenSSL, Remote Denial of' - MARC	HP	<a href="#">mar</a>
About the security content of OS X Mountain Lion v10.8.4 and Security Update 2013-002	CONFIRM	<a href="#">supl</a>
OpenSSL ASN1 BIO Memory Corruption Vulnerability	EXPLOIT-DB	<a href="#">www</a>
NEOHAPSIS - Peace of Mind Through Integrity and Insight	FULLDISC	<a href="#">arch</a>
cvs.openssl.org/chngview	CONFIRM	<a href="#">cvs.</a>
'[security bulletin] HPSBOV02793 SSRT100891 rev.1 - HP OpenVMS running SSL, Remote Denial of Service' - MARC	HP	<a href="#">mar</a>
CVE Program record	CVE.ORG	<a href="#">www</a>
NVD vulnerability detail	NVD	<a href="#">nvd.</a>

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[390226](#) Oracle Managed Virtualization (VM) Server for x86 Security Update for Open Secure Sockets Layer (OpenSSL) (OVMSA-2021-0011)

[390284](#) Oracle Managed Virtualization (VM) Server for x86 Security Update for Open Secure Sockets Layer (OpenSSL) (OVMSA-2023-0013)

[591311](#) Bosch Rexroth PRA-ES8P2S Ethernet-Switch Multiple Vulnerabilities (BOSCH-SA-247053-BT)

[591350](#) General Electric D20MX Open Secure Sockets Layer (OpenSSL) Multiple Vulnerabilities (PRSN-0006)

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