



CVE-2016-6303

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

Summary

CVE	CVE-2016-6303
State	PUBLIC
Assigner	secalert@redhat.com
Source Priority	CVE Program / NVD first with legacy fallback
Published	2016-09-16 05:59:00 UTC
Updated	2023-02-12 23:24:00 UTC
Description	Integer overflow in the MDC2_Update function in crypto/mdc2/mdc2dgst.c in OpenSSL before 1.1.0 allows remote attacker:

Risk And Classification

Problem Types: CWE-787

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Nodejs	Node.js	All	All	All	All
Application	Nodejs	Node.js	All	All	All	All
Application	Openssl	Openssl	1.0.1	All	All	All
Application	Openssl	Openssl	1.0.1a	All	All	All
Application	Openssl	Openssl	1.0.1b	All	All	All
Application	Openssl	Openssl	1.0.1c	All	All	All
Application	Openssl	Openssl	1.0.1d	All	All	All
Application	Openssl	Openssl	1.0.1e	All	All	All
Application	Openssl	Openssl	1.0.1f	All	All	All
Application	Openssl	Openssl	1.0.1g	All	All	All
Application	Openssl	Openssl	1.0.1h	All	All	All
Application	Openssl	Openssl	1.0.1i	All	All	All
Application	Openssl	Openssl	1.0.1j	All	All	All
Application	Openssl	Openssl	1.0.1k	All	All	All
Application	Openssl	Openssl	1.0.1l	All	All	All
Application	Openssl	Openssl	1.0.1m	All	All	All
Application	Openssl	Openssl	1.0.1n	All	All	All

Application	Openssl	Openssl	1.0.1o	All	All	All
Application	Openssl	Openssl	1.0.1p	All	All	All
Application	Openssl	Openssl	1.0.1q	All	All	All
Application	Openssl	Openssl	1.0.1r	All	All	All
Application	Openssl	Openssl	1.0.1s	All	All	All
Application	Openssl	Openssl	1.0.1t	All	All	All
Application	Openssl	Openssl	1.0.2	All	All	All
Application	Openssl	Openssl	1.0.2a	All	All	All
Application	Openssl	Openssl	1.0.2b	All	All	All
Application	Openssl	Openssl	1.0.2c	All	All	All
Application	Openssl	Openssl	1.0.2d	All	All	All
Application	Openssl	Openssl	1.0.2e	All	All	All
Application	Openssl	Openssl	1.0.2f	All	All	All
Application	Openssl	Openssl	1.0.2g	All	All	All
Application	Openssl	Openssl	1.0.2h	All	All	All
Application	Openssl	Openssl	1.0.1	All	All	All
Application	Openssl	Openssl	1.0.1a	All	All	All
Application	Openssl	Openssl	1.0.1b	All	All	All
Application	Openssl	Openssl	1.0.1c	All	All	All
Application	Openssl	Openssl	1.0.1d	All	All	All
Application	Openssl	Openssl	1.0.1e	All	All	All
Application	Openssl	Openssl	1.0.1f	All	All	All
Application	Openssl	Openssl	1.0.1g	All	All	All
Application	Openssl	Openssl	1.0.1h	All	All	All
Application	Openssl	Openssl	1.0.1i	All	All	All
Application	Openssl	Openssl	1.0.1j	All	All	All
Application	Openssl	Openssl	1.0.1k	All	All	All
Application	Openssl	Openssl	1.0.1l	All	All	All
Application	Openssl	Openssl	1.0.1m	All	All	All
Application	Openssl	Openssl	1.0.1n	All	All	All
Application	Openssl	Openssl	1.0.1o	All	All	All
Application	Openssl	Openssl	1.0.1p	All	All	All
Application	Openssl	Openssl	1.0.1q	All	All	All
Application	Openssl	Openssl	1.0.1r	All	All	All
Application	Openssl	Openssl	1.0.1s	All	All	All

Application	Openssl	Openssl	1.0.1t	All	All	All
Application	Openssl	Openssl	1.0.2	All	All	All
Application	Openssl	Openssl	1.0.2a	All	All	All
Application	Openssl	Openssl	1.0.2b	All	All	All
Application	Openssl	Openssl	1.0.2c	All	All	All
Application	Openssl	Openssl	1.0.2d	All	All	All
Application	Openssl	Openssl	1.0.2e	All	All	All
Application	Openssl	Openssl	1.0.2f	All	All	All
Application	Openssl	Openssl	1.0.2g	All	All	All
Application	Openssl	Openssl	1.0.2h	All	All	All

References

Reference

Security updates for all active release lines, September 2016 | Node.js

git.openssl.org Git - openssl.git/commit

Bug 1370146 – CVE-2016-6303 openssl: Integer overflow in MDC2_Update()

OpenSSL CVE-2016-6303 Integer Overflow Vulnerability

Oracle Critical Patch Update - January 2018

Oracle Critical Patch Update - April 2018

Oracle Critical Patch Update - October 2016

Public KB - SA40312 - September 22 2016 OpenSSL Security Advisory

git.openssl.org Git - openssl.git/commit

[R5] Nessus 6.9 Fixes Multiple Vulnerabilities - Security Advisory | Tenable Network Security

SA132 : OpenSSL Vulnerabilities 22-Sep-2016 and 26-Sep-2016

OpenSSL Multiple Bugs Let Remote Users Cause the Target Service to Crash - SecurityTracker

cert-portal.siemens.com/productcert/pdf/ssa-412672.pdf

[R2] PVS 5.2.0 Fixes Multiple Third-party Library Vulnerabilities - Security Advisory | Tenable Network Security

Juniper Networks - 2016-10 Security Bulletin: OpenSSL security updates

www.openssl.org/news/secadv/20160922.txt

IBM Security Bulletin: Vulnerabilities in OpenSSL, OpenVPN and GNU glibc affect IBM Security Virtual Server Protection for VMware - United

Oracle Critical Patch Update - July 2017

[R1] LCE 4.8.2 Fixes Multiple Third-party Library Vulnerabilities - Security Advisory | Tenable Network Security

Oracle Critical Patch Update - October 2017

FreeBSD-SA-16:26

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[591280](#) Siemens SCALANCE X-200RNA Switch Devices Denial of Service (DoS) Multiple Vulnerabilities (ICSA-22-349-21, SSA-412672)

© [CVE.report](#) 2026 |

Use of this information constitutes acceptance for use in an AS IS condition. There are NO warranties, implied or otherwise, with regard to this information or its use. Any use of this information is at the user's risk. It is the responsibility of user to evaluate the accuracy, completeness or usefulness of any information, opinion, advice or other content. EACH USER WILL BE SOLELY RESPONSIBLE FOR ANY consequences of his or her direct or indirect use of this web site. ALL WARRANTIES OF ANY KIND ARE EXPRESSLY DISCLAIMED. This site will NOT BE LIABLE FOR ANY DIRECT, INDIRECT or any other kind of loss.

CVE, CWE, and OVAL are registered trademarks of [The MITRE Corporation](#) and the authoritative source of CVE content is [MITRE's CVE web site](#). This site includes MITRE data granted under the following [license](#).

CVE.report and Source URL Uptime Status [status.cve.report](#)