



CVE-2017-3735

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

Summary

| | |
|------------------------|--|
| CVE | CVE-2017-3735 |
| State | PUBLIC |
| Assigner | openssl-security@openssl.org |
| Source Priority | CVE Program / NVD first with legacy fallback |
| Published | 2017-08-28 19:29:00 UTC |
| Updated | 2022-12-13 12:15:00 UTC |
| Description | While parsing an IPAddressFamily extension in an X.509 certificate, it is possible to do a one-byte overread. This would res |

Risk And Classification

Problem Types: CWE-119

NVD Known Affected Configurations (CPE 2.3)

| Type | Vendor | Product | Version | Update | Edition | Language |
|------------------|---------|--------------|---------|--------|---------|----------|
| Operating System | Debian | Debian Linux | 8.0 | All | All | All |
| Operating System | Debian | Debian Linux | 9.0 | All | All | All |
| Operating System | Debian | Debian Linux | 8.0 | All | All | All |
| Operating System | Debian | Debian Linux | 9.0 | 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 | 0.9.8a | All | All | All |
| Application | Openssl | Openssl | 0.9.8b | All | All | All |
| Application | Openssl | Openssl | 0.9.8c | All | All | All |
| Application | Openssl | Openssl | 0.9.8d | All | All | All |
| Application | Openssl | Openssl | 0.9.8e | All | All | All |
| Application | Openssl | Openssl | 0.9.8f | All | All | All |
| Application | Openssl | Openssl | 0.9.8g | All | All | All |
| Application | Openssl | Openssl | 0.9.8h | All | All | All |

| | | | | | | |
|-------------|---------|---------|---------|-------|-----|-----|
| Application | Openssl | Openssl | 0.9.8i | All | All | All |
| Application | Openssl | Openssl | 0.9.8j | All | All | All |
| Application | Openssl | Openssl | 0.9.8k | All | All | All |
| Application | Openssl | Openssl | 0.9.8l | All | All | All |
| Application | Openssl | Openssl | 0.9.8m | All | All | All |
| Application | Openssl | Openssl | 0.9.8m | beta1 | All | All |
| Application | Openssl | Openssl | 0.9.8n | All | All | All |
| Application | Openssl | Openssl | 0.9.8o | All | All | All |
| Application | Openssl | Openssl | 0.9.8p | All | All | All |
| Application | Openssl | Openssl | 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 | 0.9.8u | All | All | All |
| Application | Openssl | Openssl | 0.9.8v | All | All | All |
| Application | Openssl | Openssl | 0.9.8w | All | All | All |
| Application | Openssl | Openssl | 0.9.8x | All | All | All |
| Application | Openssl | Openssl | 0.9.8y | All | All | All |
| Application | Openssl | Openssl | 0.9.8z | All | All | All |
| Application | Openssl | Openssl | 0.9.8za | All | All | All |
| Application | Openssl | Openssl | 0.9.8zb | All | All | All |
| Application | Openssl | Openssl | 0.9.8zc | All | All | All |
| Application | Openssl | Openssl | 0.9.8ze | All | All | All |
| Application | Openssl | Openssl | 0.9.8zg | 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 | 1.0.0f | All | All | All |
| Application | Openssl | Openssl | 1.0.0g | All | All | All |
| Application | Openssl | Openssl | 1.0.0h | All | All | All |
| Application | Openssl | Openssl | 1.0.0i | All | All | All |
| Application | Openssl | Openssl | 1.0.0j | All | All | All |
| Application | Openssl | Openssl | 1.0.0k | All | All | All |
| Application | Openssl | Openssl | 1.0.0l | All | All | All |
| Application | Openssl | Openssl | 1.0.0m | All | All | All |
| Application | Openssl | Openssl | 1.0.0n | All | All | All |
| Application | Openssl | Openssl | 1.0.0o | All | All | All |
| Application | Openssl | Openssl | 1.0.0p | All | All | All |
| Application | Openssl | Openssl | 1.0.0q | All | All | All |
| Application | Openssl | Openssl | 1.0.0r | All | All | All |
| Application | Openssl | Openssl | 1.0.0s | All | All | All |
| Application | Openssl | Openssl | 1.0.1 | All | All | All |
| Application | Openssl | Openssl | 1.0.1 | beta1 | All | All |
| Application | Openssl | Openssl | 1.0.1 | beta2 | All | All |
| Application | Openssl | Openssl | 1.0.1 | beta3 | 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 | 1.0.2 | All | All | All |
| Application | Openssl | Openssl | 1.0.2 | beta1 | All | All |
| Application | Openssl | Openssl | 1.0.2 | beta2 | All | All |
| Application | Openssl | Openssl | 1.0.2 | beta3 | 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 | 1.0.2h | All | All | All |
| Application | Openssl | Openssl | 1.0.2i | All | All | All |
| Application | Openssl | Openssl | 1.0.2j | All | All | All |
| Application | Openssl | Openssl | 1.0.2k | All | All | All |
| Application | Openssl | Openssl | 1.0.2l | All | All | All |
| Application | Openssl | Openssl | 1.1.0 | All | All | All |
| Application | Openssl | Openssl | 1.1.0a | All | All | All |
| Application | Openssl | Openssl | 1.1.0b | All | All | All |
| Application | Openssl | Openssl | 1.1.0c | All | All | All |
| Application | Openssl | Openssl | 1.1.0d | All | All | All |
| Application | Openssl | Openssl | 1.1.0e | All | All | All |
| Application | Openssl | Openssl | 1.1.0f | 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 | 0.9.8a | All | All | All |
| Application | Openssl | Openssl | 0.9.8b | All | All | All |
| Application | Openssl | Openssl | 0.9.8c | All | All | All |
| Application | Openssl | Openssl | 0.9.8d | All | All | All |
| Application | Openssl | Openssl | 0.9.8e | All | All | All |
| Application | Openssl | Openssl | 0.9.8f | All | All | All |
| Application | Openssl | Openssl | 0.9.8g | All | All | All |
| Application | Openssl | Openssl | 0.9.8h | All | All | All |
| Application | Openssl | Openssl | 0.9.8i | All | All | All |
| Application | Openssl | Openssl | 0.9.8j | All | All | All |
| Application | Openssl | Openssl | 0.9.8k | All | All | All |
| Application | Openssl | Openssl | 0.9.8l | All | All | All |
| Application | Openssl | Openssl | 0.9.8m | All | All | All |
| Application | Openssl | Openssl | 0.9.8m | beta1 | All | All |

| | | | | | | |
|-------------|---------|---------|---------|-------|-----|-----|
| Application | Openssl | Openssl | 0.9.8n | All | All | All |
| Application | Openssl | Openssl | 0.9.8o | All | All | All |
| Application | Openssl | Openssl | 0.9.8p | All | All | All |
| Application | Openssl | Openssl | 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 | 0.9.8u | All | All | All |
| Application | Openssl | Openssl | 0.9.8v | All | All | All |
| Application | Openssl | Openssl | 0.9.8w | All | All | All |
| Application | Openssl | Openssl | 0.9.8x | All | All | All |
| Application | Openssl | Openssl | 0.9.8y | All | All | All |
| Application | Openssl | Openssl | 0.9.8z | All | All | All |
| Application | Openssl | Openssl | 0.9.8za | All | All | All |
| Application | Openssl | Openssl | 0.9.8zb | All | All | All |
| Application | Openssl | Openssl | 0.9.8zc | All | All | All |
| Application | Openssl | Openssl | 0.9.8ze | All | All | All |
| Application | Openssl | Openssl | 0.9.8zg | 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 | 1.0.0f | All | All | All |
| Application | Openssl | Openssl | 1.0.0g | All | All | All |
| Application | Openssl | Openssl | 1.0.0h | All | All | All |
| Application | Openssl | Openssl | 1.0.0i | All | All | All |
| Application | Openssl | Openssl | 1.0.0j | All | All | All |
| Application | Openssl | Openssl | 1.0.0k | All | All | All |

| | | | | | | |
|-------------|---------|---------|--------|-------|-----|-----|
| Application | Openssl | Openssl | 1.0.0l | All | All | All |
| Application | Openssl | Openssl | 1.0.0m | All | All | All |
| Application | Openssl | Openssl | 1.0.0n | All | All | All |
| Application | Openssl | Openssl | 1.0.0o | All | All | All |
| Application | Openssl | Openssl | 1.0.0p | All | All | All |
| Application | Openssl | Openssl | 1.0.0q | All | All | All |
| Application | Openssl | Openssl | 1.0.0r | All | All | All |
| Application | Openssl | Openssl | 1.0.0s | All | All | All |
| Application | Openssl | Openssl | 1.0.1 | All | All | All |
| Application | Openssl | Openssl | 1.0.1 | beta1 | All | All |
| Application | Openssl | Openssl | 1.0.1 | beta2 | All | All |
| Application | Openssl | Openssl | 1.0.1 | beta3 | 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 | 1.0.2 | All | All | All |
| Application | Openssl | Openssl | 1.0.2 | beta1 | All | All |
| Application | Openssl | Openssl | 1.0.2 | beta2 | All | All |
| Application | Openssl | Openssl | 1.0.2 | beta3 | 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 | 1.0.2h | All | All | All |
| Application | Openssl | Openssl | 1.0.2i | All | All | All |

| | | | | | | |
|-------------|-------------------------|-------------------------|--------|-----|-----|-----|
| Application | Openssl | Openssl | 1.0.2i | All | All | All |
| Application | Openssl | Openssl | 1.0.2j | All | All | All |
| Application | Openssl | Openssl | 1.0.2k | All | All | All |
| Application | Openssl | Openssl | 1.0.2l | All | All | All |
| Application | Openssl | Openssl | 1.1.0 | All | All | All |
| Application | Openssl | Openssl | 1.1.0a | All | All | All |
| Application | Openssl | Openssl | 1.1.0b | All | All | All |
| Application | Openssl | Openssl | 1.1.0c | All | All | All |
| Application | Openssl | Openssl | 1.1.0d | All | All | All |
| Application | Openssl | Openssl | 1.1.0e | All | All | All |
| Application | Openssl | Openssl | 1.1.0f | All | All | All |

References

Reference

[OpenSSL: Multiple vulnerabilities \(GLSA 201712-03\) — Gentoo security](#)

[Red Hat Customer Portal](#)

[OpenSSL CVE-2017-3735 Security Bypass Vulnerability](#)

www.openssl.org/news/secadv/20171102.txt

[Oracle Critical Patch Update - January 2018](#)

[OpenSSLX.509 IPAddressFamily Buffer Overread Lets Remote Users Cause Certificate Text to Be Displayed Incorrectly - SecurityTracker](#)

[CPU July 2018](#)

[Oracle Critical Patch Update - April 2018](#)

[Red Hat Customer Portal](#)

[Oracle Critical Patch Update Advisory - July 2021](#)

[USN-3611-2: OpenSSL vulnerabilities | Ubuntu security notices](#)

[Oracle Critical Patch Update - January 2019](#)

[Oracle Critical Patch Update - July 2019](#)

[FreeBSD-SA-17:11](#)

[About the security content of macOS High Sierra 10.13.2, Security Update 2017-002 Sierra, and Security Update 2017-005 El Capitan - Apple](#)

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

[Debian -- Security Information -- DSA-4018-1 openssl](#)

[Debian -- Security Information -- DSA-4017-1 openssl1.0](#)

[CPU Oct 2018](#)

[CVE-2017-3736 OpenSSL Vulnerability in NetApp Products | NetApp Product Security](#)

[\[R1\] Nessus 6.11.3 Fixes Multiple Third-party Vulnerabilities - Security Advisory | Tenable®](#)

www.openssl.org/news/secadv/20170828.txt

Avoid out-of-bounds read · openssl/openssl@068b963 · GitHub

CVE-2017-3735 OpenSSL Vulnerability in Multiple NetApp Products | NetApp Product Security

[R1]SecurityCenter 5.6.0.1 Fixes Multiple Third-party Vulnerabilities - Security Advisory | Tenable™

[SECURITY] [DLA-1157-1] openssl security update

Oracle Critical Patch Update Advisory - April 2019

CVE Program record

NVD vulnerability detail

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[330104](#) IBM Advanced Interactive eXecutive (AIX) Open Secure Sockets Layer (OpenSSL) Denial of Service (DoS) Vulnerability (openssl_advisory35)

[590572](#) PHOENIX CONTACT FL SWITCH Multiple Vulnerabilities (ICSA-19-024-02)

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

[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)

[670784](#) EulerOS Security Update for shim (EulerOS-SA-2021-2542)

[670808](#) EulerOS Security Update for shim (EulerOS-SA-2021-2566)

[671109](#) EulerOS Security Update for Open Secure Sockets Layer098e (OpenSSL098e) (EulerOS-SA-2019-2509)

[710507](#) Gentoo Linux Open Secure Sockets Layer (OpenSSL) Multiple Vulnerabilities (GLSA 201712-03)

© [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](#)