



# CVE-2019-1559

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF !\[\]\(e3f8612927870f2e0f9f5989e6dd3064\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2019-1559
<b>State</b>	PUBLIC
<b>Assigner</b>	openssl-security@openssl.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2019-02-27 23:29:00 UTC
<b>Updated</b>	2023-11-07 03:08:00 UTC
<b>Description</b>	If an application encounters a fatal protocol error and then calls SSL_shutdown() twice (once to send a close_notify, and on

## Risk And Classification

**Problem Types:** CWE-203

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
Operating System	Canonical	Ubuntu Linux	16.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.04	All	All	All
Operating System	Canonical	Ubuntu Linux	18.10	All	All	All
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	F5	Big-ip Access Policy Manager	All	All	All	All
Application	F5	Big-ip Access Policy Manager	All	All	All	All
Application	F5	Big-ip Access Policy Manager	All	All	All	All
Application	F5	Big-ip Access Policy Manager	All	All	All	All
Application	F5	Big-ip Advanced Firewall Manager	All	All	All	All
Application	F5	Big-ip Advanced Firewall Manager	All	All	All	All

Application	F5	Big-ip Advanced Firewall Manager	All	All	All	All
Application	F5	Big-ip Advanced Firewall Manager	All	All	All	All
Application	F5	Big-ip Analytics	All	All	All	All
Application	F5	Big-ip Analytics	All	All	All	All
Application	F5	Big-ip Analytics	All	All	All	All
Application	F5	Big-ip Analytics	All	All	All	All
Application	F5	Big-ip Application Acceleration Manager	All	All	All	All
Application	F5	Big-ip Application Acceleration Manager	All	All	All	All
Application	F5	Big-ip Application Acceleration Manager	All	All	All	All
Application	F5	Big-ip Application Acceleration Manager	All	All	All	All
Application	F5	Big-ip Application Security Manager	All	All	All	All
Application	F5	Big-ip Application Security Manager	All	All	All	All
Application	F5	Big-ip Application Security Manager	All	All	All	All
Application	F5	Big-ip Application Security Manager	All	All	All	All
Application	F5	Big-ip Domain Name System	All	All	All	All
Application	F5	Big-ip Domain Name System	All	All	All	All
Application	F5	Big-ip Domain Name System	All	All	All	All
Application	F5	Big-ip Domain Name System	All	All	All	All
Application	F5	Big-ip Edge Gateway	All	All	All	All
Application	F5	Big-ip Edge Gateway	All	All	All	All
Application	F5	Big-ip Edge Gateway	All	All	All	All
Application	F5	Big-ip Edge Gateway	All	All	All	All
Application	F5	Big-ip Fraud Protection Service	All	All	All	All
Application	F5	Big-ip Fraud Protection Service	All	All	All	All
Application	F5	Big-ip Fraud Protection Service	All	All	All	All
Application	F5	Big-ip Fraud Protection Service	All	All	All	All
Application	F5	Big-ip Global Traffic Manager	All	All	All	All
Application	F5	Big-ip Global Traffic Manager	All	All	All	All
Application	F5	Big-ip Global Traffic Manager	All	All	All	All
Application	F5	Big-ip Global Traffic Manager	All	All	All	All
Application	F5	Big-ip Link Controller	All	All	All	All
Application	F5	Big-ip Link Controller	All	All	All	All
Application	F5	Big-ip Link Controller	All	All	All	All
Application	F5	Big-ip Link Controller	All	All	All	All
Application	F5	Big-ip Local Traffic Manager	All	All	All	All

Application	F5	Big-ip Local Traffic Manager	All	All	All	All
Application	F5	Big-ip Local Traffic Manager	All	All	All	All
Application	F5	Big-ip Local Traffic Manager	All	All	All	All
Application	F5	Big-ip Policy Enforcement Manager	All	All	All	All
Application	F5	Big-ip Policy Enforcement Manager	All	All	All	All
Application	F5	Big-ip Policy Enforcement Manager	All	All	All	All
Application	F5	Big-ip Policy Enforcement Manager	All	All	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
Application	F5	Big-ip Webaccelerator	All	All	All	All
Application	F5	Big-iq Centralized Management	All	All	All	All
Application	F5	Big-iq Centralized Management	All	All	All	All
Application	F5	Traffix Signaling Delivery Controller	4.4.0	All	All	All
Application	F5	Traffix Signaling Delivery Controller	4.4.0	All	All	All
Application	F5	Traffix Signaling Delivery Controller	All	All	All	All
Operating System	Fedoraproject	Fedora	29	All	All	All
Operating System	Fedoraproject	Fedora	30	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Application	Mcafee	Agent	All	All	All	All
Application	Mcafee	Data Exchange Layer	All	All	All	All
Application	Mcafee	Threat Intelligence Exchange Server	All	All	All	All
Application	Mcafee	Web Gateway	All	All	All	All
Hardware	Netapp	A220	-	All	All	All
Operating System	Netapp	A220 Firmware	-	All	All	All
Hardware	Netapp	A320	-	All	All	All
Operating System	Netapp	A320 Firmware	-	All	All	All
Hardware	Netapp	A800	-	All	All	All
Operating System	Netapp	A800 Firmware	-	All	All	All
Application	Netapp	Active Iq Unified Manager	All	All	All	All
Application	Netapp	Active Iq Unified Manager	All	All	All	All
Application	Netapp	Active Iq Unified Manager	-	All	All	All
Application	Netapp	Altavault	-	All	All	All
Hardware	Netapp	C190	-	All	All	All
Operating System	Netapp	C190 Firmware	-	All	All	All

Application	Netapp	Cloud Backup	-	All	All	All
Application	Netapp	Clustered Data Ontap Antivirus Connector	-	All	All	All
Hardware	Netapp	Cn1610	-	All	All	All
Operating System	Netapp	Cn1610 Firmware	-	All	All	All
Application	Netapp	Element Software	-	All	All	All
Application	Netapp	Element Software	-	All	All	All
Hardware	Netapp	Fas2720	-	All	All	All
Operating System	Netapp	Fas2720 Firmware	-	All	All	All
Hardware	Netapp	Fas2750	-	All	All	All
Operating System	Netapp	Fas2750 Firmware	-	All	All	All
Hardware	Netapp	Hci Compute Node	-	All	All	All
Application	Netapp	Hci Management Node	-	All	All	All
Application	Netapp	Hyper Converged Infrastructure	-	All	All	All
Application	Netapp	Hyper Converged Infrastructure	-	All	All	All
Application	Netapp	Oncommand Insight	-	All	All	All
Application	Netapp	Oncommand Unified Manager	-	All	All	All
Application	Netapp	Oncommand Unified Manager	-	All	All	All
Application	Netapp	Oncommand Unified Manager	-	All	All	All
Application	Netapp	Oncommand Unified Manager	-	All	All	All
Application	Netapp	Oncommand Unified Manager Core Package	-	All	All	All
Application	Netapp	Oncommand Workflow Automation	-	All	All	All
Application	Netapp	Oncommand Workflow Automation	-	All	All	All
Application	Netapp	Ontap Select Deploy	-	All	All	All
Application	Netapp	Ontap Select Deploy	-	All	All	All
Application	Netapp	Ontap Select Deploy Administration Utility	-	All	All	All
Application	Netapp	Ontap Select Deploy Administration Utility	-	All	All	All
Application	Netapp	Santricity Smi-s Provider	-	All	All	All
Application	Netapp	Santricity Smi-s Provider	-	All	All	All
Application	Netapp	Service Processor	-	All	All	All
Application	Netapp	Smi-s Provider	-	All	All	All
Application	Netapp	Snapcenter	-	All	All	All
Application	Netapp	Snapcenter	-	All	All	All
Application	Netapp	Snapdrive	-	All	All	All
Application	Netapp	Snapdrive	-	All	All	All
Application	Netapp	Snapdrive	-	All	All	All
Application	Netapp	Snapprotect	-	All	All	All

Application	Netapp	Solidfire	-	All	All	All
Application	Netapp	Steelstore Cloud Integrated Storage	-	All	All	All
Application	Netapp	Steelstore Cloud Integrated Storage	-	All	All	All
Application	Netapp	Storagegrid	-	All	All	All
Application	Netapp	Storagegrid	-	All	All	All
Application	Netapp	Storagegrid	All	All	All	All
Application	Netapp	Storage Automation Store	-	All	All	All
Application	Netapp	Storage Automation Store	-	All	All	All
Application	Nodejs	Node.js	All	All	All	All
Application	Nodejs	Node.js	All	All	All	All
Application	Nodejs	Node.js	All	All	All	All
Application	Openssl	Openssl	All	All	All	All
Application	Openssl	Openssl	All	All	All	All
Operating System	Opensuse	Leap	15.0	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Opensuse	Leap	42.3	All	All	All
Operating System	Opensuse	Leap	15.0	All	All	All
Operating System	Opensuse	Leap	42.3	All	All	All
Application	Oracle	Api Gateway	11.1.2.4.0	All	All	All
Application	Oracle	Business Intelligence	11.1.1.9.0	All	All	All
Application	Oracle	Business Intelligence	12.2.1.3.0	All	All	All
Application	Oracle	Business Intelligence	12.2.1.4.0	All	All	All
Application	Oracle	Communications Diameter Signaling Router	8.0.0	All	All	All
Application	Oracle	Communications Diameter Signaling Router	8.1	All	All	All
Application	Oracle	Communications Diameter Signaling Router	8.2	All	All	All
Application	Oracle	Communications Diameter Signaling Router	8.3	All	All	All
Application	Oracle	Communications Diameter Signaling Router	8.4	All	All	All
Application	Oracle	Communications Performance Intelligence Center	10.4.0.2	All	All	All
Application	Oracle	Communications Session Border Controller	7.4	All	All	All
Application	Oracle	Communications Session Border Controller	8.0.0	All	All	All
Application	Oracle	Communications Session Border Controller	8.1.0	All	All	All
Application	Oracle	Communications Session Border Controller	8.2	All	All	All
Application	Oracle	Communications Session Border Controller	8.3	All	All	All
Application	Oracle	Communications Session Router	7.4	All	All	All
Application	Oracle	Communications Session Router	8.0	All	All	All

Application	Oracle	Communications Session Router	8.1	All	All	All
Application	Oracle	Communications Session Router	8.2	All	All	All
Application	Oracle	Communications Session Router	8.3	All	All	All
Application	Oracle	Communications Unified Session Manager	7.3.5	All	All	All
Application	Oracle	Communications Unified Session Manager	8.2.5	All	All	All
Application	Oracle	Endeca Server	7.7.0	All	All	All
Application	Oracle	Enterprise Manager Base Platform	12.1.0.5.0	All	All	All
Application	Oracle	Enterprise Manager Base Platform	13.2.0.0.0	All	All	All
Application	Oracle	Enterprise Manager Base Platform	13.3.0.0.0	All	All	All
Application	Oracle	Enterprise Manager Ops Center	12.3.3	All	All	All
Application	Oracle	Enterprise Manager Ops Center	12.4.0	All	All	All
Application	Oracle	Jd Edwards Enterpriseone Tools	9.2	All	All	All
Application	Oracle	Jd Edwards World Security	a9.3	All	All	All
Application	Oracle	Jd Edwards World Security	a9.3.1	All	All	All
Application	Oracle	Jd Edwards World Security	a9.4	All	All	All
Application	Oracle	Mysql	All	All	All	All
Application	Oracle	Mysql	All	All	All	All
Application	Oracle	Mysql	All	All	All	All
Application	Oracle	Mysql Enterprise Monitor	All	All	All	All
Application	Oracle	Mysql Enterprise Monitor	All	All	All	All
Application	Oracle	Mysql Workbench	All	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.55	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.56	All	All	All
Application	Oracle	Peoplesoft Enterprise Peopletools	8.57	All	All	All
Application	Oracle	Secure Global Desktop	5.4	All	All	All
Application	Oracle	Services Tools Bundle	19.2	All	All	All
Operating System	Paloaltonetworks	Pan-os	All	All	All	All
Operating System	Redhat	Enterprise Linux	6.0	All	All	All
Operating System	Redhat	Enterprise Linux	7.0	All	All	All
Operating System	Redhat	Enterprise Linux	8.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	7.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	7.0	All	All	All

Operating System	Redhat	Enterprise Linux workstation	7.0	All	All	All
Application	Redhat	Jboss Enterprise Web Server	5.0.0	All	All	All
Application	Redhat	Virtualization	4.0	All	All	All
Application	Redhat	Virtualization Host	4.0	All	All	All
Application	Tenable	Nessus	All	All	All	All

## References

Reference	Source	Link
[SECURITY] Fedora 30 Update: compat-openssl10-1.0.2o-7.fc30 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org/">lists.fedoraproject.org</a>
McAfee Security Bulletin - Multiple McAfee product updates fix OpenSSL vulnerabilities (CVE-2019-1559)	CONFIRM	<a href="https://kc.mcafee.com/">kc.mcafee.com</a>
[SECURITY] Fedora 31 Update: compat-openssl10-1.0.2o-8.fc31 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org/">lists.fedoraproject.org</a>
[SECURITY] Fedora 30 Update: compat-openssl10-1.0.2o-7.fc30 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org/">lists.fedoraproject.org</a>
[SECURITY] Fedora 29 Update: compat-openssl10-1.0.2o-7.fc29 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org/">lists.fedoraproject.org</a>
<a href="https://support.f5.com/csp/article/K18549143">support.f5.com/csp/article/K18549143</a>	CONFIRM	<a href="https://support.f5.com/">support.f5.com</a>
<a href="https://support.f5.com/csp/article/K18549143">support.f5.com/csp/article/K18549143</a>	CONFIRM	<a href="https://support.f5.com/">support.f5.com</a>
USN-3899-1: OpenSSL vulnerability   Ubuntu security notices   Ubuntu	UBUNTU	<a href="https://usn.ubuntu.com/">usn.ubuntu.com</a>
<a href="https://git.openssl.org">git.openssl.org</a> Git - openssl.git/commitdiff		<a href="https://git.openssl.org/">git.openssl.org</a>
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com/">access.redhat.com</a>
USN-4376-2: OpenSSL vulnerabilities   Ubuntu security notices   Ubuntu	UBUNTU	<a href="https://usn.ubuntu.com/">usn.ubuntu.com</a>
OpenSSL: Multiple vulnerabilities (GLSA 201903-10) — Gentoo security	GENTOO	<a href="https://security.gentoo.org/">security.gentoo.org</a>
[security-announce] openSUSE-SU-2019:1173-1: moderate: Security update for	SUSE	<a href="https://lists.opensuse.org/">lists.opensuse.org</a>
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com/">access.redhat.com</a>
[SECURITY] Fedora 29 Update: compat-openssl10-1.0.2o-7.fc29 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org/">lists.fedoraproject.org</a>
Debian -- Security Information -- DSA-4400-1 openssl1.0	DEBIAN	<a href="https://www.debian.org/">www.debian.org</a>
OpenSSL CVE-2019-1559 Information Disclosure Vulnerability	BID	<a href="https://www.securityfocus.com/bid/">www.securityfocus.com/bid/</a>
[security-announce] openSUSE-SU-2019:1175-1: moderate: Security update for	SUSE	<a href="https://lists.opensuse.org/">lists.opensuse.org</a>
[R1] Nessus 8.3.0 Fixes Multiple Third-party Vulnerabilities - Security Advisory   Tenable®	CONFIRM	<a href="https://www.tenable.com/">www.tenable.com</a>
[SECURITY] [DLA 1701-1] openssl security update	MLIST	<a href="https://lists.debian.org/">lists.debian.org</a>
Oracle Critical Patch Update - July 2019	MISC	<a href="https://www.oracle.com/">www.oracle.com</a>
[security-announce] openSUSE-SU-2019:1432-1: moderate: Security update for	SUSE	<a href="https://lists.opensuse.org/">lists.opensuse.org</a>
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com/">access.redhat.com</a>
<a href="https://git.openssl.org">git.openssl.org</a> Git - openssl.git/commitdiff	CONFIRM	<a href="https://git.openssl.org/">git.openssl.org</a>
[security-announce] openSUSE-SU-2019:1105-1: moderate: Security update for	SUSE	<a href="https://lists.opensuse.org/">lists.opensuse.org</a>
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.com/">access.redhat.com</a>
[R1] Nessus Agent 7.4.0 Fixes One Third-party Vulnerability - Security Advisory   Tenable®	CONFIRM	<a href="https://www.tenable.com/">www.tenable.com</a>
[SECURITY] Fedora 31 Update: compat-openssl10-1.0.2o-8.fc31 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org/">lists.fedoraproject.org</a>

CVE-2019-1559 OpenSSL Vulnerability in NetApp Products   NetApp Product Security	CONFIRM	<a href="https://security.netapp.com">security.netapp.c</a>
April 2019 MySQL Vulnerabilities in NetApp Products   NetApp Product Security	CONFIRM	<a href="https://security.netapp.com">security.netapp.c</a>
myF5		<a href="https://support.f5.com">support.f5.com</a>
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.co">access.redhat.co</a>
Oracle Critical Patch Update - October 2019	MISC	<a href="https://www.oracle.com">www.oracle.com</a>
Oracle Critical Patch Update Advisory - January 2020	MISC	<a href="https://www.oracle.com">www.oracle.com</a>
[security-announce] openSUSE-SU-2019:1076-1: moderate: Security update f	SUSE	<a href="https://lists.opensuse.or">lists.opensuse.or</a>
NetApp Product Security	CONFIRM	<a href="https://security.netapp.c">security.netapp.c</a>
<a href="https://www.openssl.org/news/secadv/20190226.txt">www.openssl.org/news/secadv/20190226.txt</a>	CONFIRM	<a href="https://www.openssl.org">www.openssl.org</a>
Red Hat Customer Portal	REDHAT	<a href="https://access.redhat.co">access.redhat.co</a>
Oracle Critical Patch Update Advisory - January 2021	MISC	<a href="https://www.oracle.com">www.oracle.com</a>
[security-announce] openSUSE-SU-2019:1637-1: moderate: Security update f	SUSE	<a href="https://lists.opensuse.or">lists.opensuse.or</a>
Oracle Critical Patch Update Advisory - April 2019	MISC	<a href="https://www.oracle.com">www.oracle.com</a>
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>

#### Vendor Comments And Credit

##### Discovery Credit

**LEGACY:** Juraj Somorovsky, Robert Merget and Nimrod Aviram, with additional investigation by Steven Collison and Andrew Hourseit

#### Legacy QID Mappings

[296075](#) Oracle Solaris 11.4 Support Repository Update (SRU) 21.69.0 Missing (CPUAPR2020)

[296081](#) Oracle Solaris 11.4 Support Repository Update (SRU) 12.5.0 Missing (CPUJUL2019)

[296087](#) Oracle Solaris 11.4 Support Repository Update (SRU) 8.1.5 Missing (CPUAPR2019)

[377473](#) Alibaba Cloud Linux Security Update for Open Secure Sockets Layer (OpenSSL) (ALINUX2-SA-2019:0086)

[378140](#) Virtuozzo Linux Security Update for openssl-perl (VZLSA-2019:2471)

[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)

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