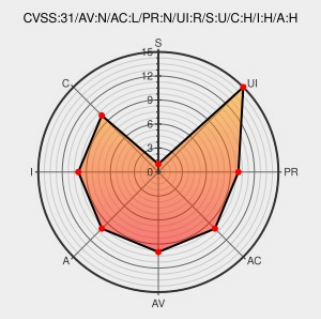
CVE-2019-11745

Published on: 01/08/2020 12:00:00 AM UTC

Last Modified on: 03/23/2021 11:27:35 PM UTC

CVE-2019-11745

Source: Mitre | Source: Nist | Print: PDF



Certain versions of Ubuntu Linux from Canonical contain the following vulnerability:

When encrypting with a block cipher, if a call to NSC_EncryptUpdate was made with data smaller than the block size, a small out of bounds write could occur. This could have caused heap corruption and a potentially exploitable crash. This vulnerability affects Thunderbird < 68.3, Firefox ESR < 68.3, and Firefox < 71.

CVE-2019-11745 has been assigned by security@mozilla.org to track the vulnerability - currently rated as HIGH severity.

Affected Vendor/Software: **Mozilla** - **Thunderbird** version **before 68.3**

Affected Vendor/Software: **Mozilla** - **Firefox ESR** version **before 68.3**

Affected Vendor/Software: **Mozilla** - **Firefox** version **before 71**

CVSS3 Score: 8.8 - HIGH

Attack Vector	Attack Complexity	Privileges Required	User Interaction
NETWORK	LOW	NONE	REQUIRED
Scope	**Confidentiality Impact**	**Integrity Impact**	**Availability Impact**
UNCHANGED	HIGH	HIGH	HIGH

CVSS2 Score: 6.8 - MEDIUM

Access Vector	Access Complexity	Authentication
NETWORK	MEDIUM	NONE
Confidentiality Impact	**Integrity Impact**	**Availability Impact**
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
Mozilla Thunderbird: Multiple vulnerabilities (GLSA 202003-10) — Gentoo security	Third Party Advisory security.gentoo.org text/html	GENTOO GLSA-202003-10
Mozilla Network Security Service: Multiple vulnerabilities (GLSA 202003-37) — Gentoo security	Third Party Advisory security.gentoo.org text/html	GENTOO GLSA-202003-37
Mozilla Firefox: Multiple vulnerabilities (GLSA 202003-02) — Gentoo security	Third Party Advisory security.gentoo.org text/html	GENTOO GLSA-202003-02
Red Hat Customer Portal	Third Party Advisory access.redhat.com text/html	REDHAT RHSA-2020:0243
Security Vulnerabilities fixed in - Firefox 71 — Mozilla	Vendor Advisory www.mozilla.org text/html	CONFIRM www.mozilla.org/security/advisories/mfsa2019-36/
Siemens RUGGEDCOM ROX II | CISA	Third Party Advisory US Government Resource us-cert.cisa.gov text/html	MISC us-cert.cisa.gov/ics/advisories/icsa-21-040-04
Red Hat Customer Portal	Third Party Advisory access.redhat.com text/html	REDHAT RHSA-2020:0466
Security Vulnerabilities fixed in - Thunderbird 68.3 — Mozilla	Vendor Advisory web.archive.org text/html Inactive Link Not Archived	CONFIRM www.mozilla.org/security/advisories/mfsa2019-38/
[security-announce] openSUSE-SU-2020:0003-1: important: Security update	Mailing List Third Party Advisory lists.opensuse.org text/html	SUSE openSUSE-SU-2020:0003
[security-announce] openSUSE-SU-2020:0002-1: important: Security update	Issue Tracking Mailing List Third Party Advisory lists.opensuse.org text/html	SUSE openSUSE-SU-2020:0002
USN-4335-1: Thunderbird vulnerabilities | Ubuntu security notices	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4335-1
Security Vulnerabilities fixed in - Firefox ESR 68.3 — Mozilla	Vendor Advisory www.mozilla.org text/html	CONFIRM www.mozilla.org/security/advisories/mfsa2019-37/
[SECURITY] [DLA 2388-1] nss security update	Mailing List Third Party Advisory lists.debian.org text/html	MLIST [debian-lts-announce] 20200929 [SECURITY] [DLA 2388-1] nss security update
1586176 - (CVE-2019-11745) Out-of-bounds write when passing an output buffer smaller than the block size to NSC_EncryptUpdate	Issue Tracking Patch Vendor Advisory bugzilla.mozilla.org text/html	CONFIRM bugzilla.mozilla.org/show_bug.cgi?id=1586176

	Third Party Advisory cert-portal.siemens.com application/pdf	CONFIRM cert-portal.siemens.com/productcert/pdf/ssa-379803.pdf
[security-announce] openSUSE-SU-2020:0008-1: moderate: Security update f	Mailing List Third Party Advisory lists.opensuse.org text/html	SUSE openSUSE-SU-2020:0008
USN-4241-1: Thunderbird vulnerabilities | Ubuntu security notices | Ubuntu	Third Party Advisory usn.ubuntu.com text/html	UBUNTU USN-4241-1

Related QID Numbers

256751 CentOS Security Update for nss (CESA-2019:4190)

500455 Alpine Linux Security Update for nss

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
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	19.10	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	19.10	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Operating System	Debian	Debian Linux	9.0	All	All	All
Application	Mozilla	Firefox	All	All	All	All
Application	Mozilla	Firefox	All	All	All	All
Application	Mozilla	Firefox Esr	All	All	All	All
Application	Mozilla	Firefox Esr	All	All	All	All
Application	Mozilla	Thunderbird	All	All	All	All
Application	Mozilla	Thunderbird	All	All	All	All
Operating	Opensuse	Leap	15.1	All	All	All

System						
Operating System	Opensuse	Leap	15.1	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	6.6	All	All	All
Operating System	Redhat	Enterprise Linux Server Aus	6.6	All	All	All
Hardware	Siemens	Ruggedcom Rox Mx5000	-	All	All	All
Hardware	Siemens	Ruggedcom Rox Mx5000	-	All	All	All
Operating System	Siemens	Ruggedcom Rox Mx5000 Firmware	All	All	All	All
Operating System	Siemens	Ruggedcom Rox Mx5000 Firmware	All	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1400	-	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1400	-	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1400 Firmware	All	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1400 Firmware	All	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1500	-	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1500	-	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1500 Firmware	All	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1500 Firmware	All	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1501	-	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1501	-	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1501 Firmware	All	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1501 Firmware	All	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1510	-	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1510	-	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1510 Firmware	All	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1510 Firmware	All	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1511	-	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1511	-	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1511 Firmware	All	All	All	All
Operating	Siemens	Ruggedcom Rox Rx1511 Firmware	All	All	All	All

System						
Hardware	Siemens	Ruggedcom Rox Rx1512	-	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx1512	-	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1512 Firmware	All	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx1512 Firmware	All	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx5000	-	All	All	All
Hardware	Siemens	Ruggedcom Rox Rx5000	-	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx5000 Firmware	All	All	All	All
Operating System	Siemens	Ruggedcom Rox Rx5000 Firmware	All	All	All	All

cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:18.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:19.10:*:*:*:*:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:16.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:18.04:*:*:*:lts:*:*:*:

cpe:2.3:o:canonical:ubuntu_linux:19.10:*:*:*:*:*:*:*:

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*:

cpe:2.3:o:debian:debian_linux:9.0:*:*:*:*:*:*:*:

cpe:2.3:a:mozilla:firefox:*:*:*:*:*:*:*:*:

cpe:2.3:a:mozilla:firefox:*:*:*:*:*:*:*:*:

cpe:2.3:a:mozilla:firefox_esr:*:*:*:*:*:*:*:*:

cpe:2.3:a:mozilla:firefox_esr:*:*:*:*:*:*:*:*:

cpe:2.3:a:mozilla:thunderbird:*:*:*:*:*:*:*:*:

cpe:2.3:a:mozilla:thunderbird:*:*:*:*:*:*:*:*:

cpe:2.3:o:opensuse:leap:15.1:*:*:*:*:*:*:*:

cpe:2.3:o:opensuse:leap:15.1:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:6.6:*:*:*:*:*:*:*:

cpe:2.3:o:redhat:enterprise_linux_server_aus:6.6:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_mx5000:-:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_mx5000:-:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_mx5000_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_mx5000_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1400:-:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1400:-:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1400_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1400_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1500:-:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1500:-:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1500_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1500_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1501:-:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1501:-:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1501_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1501_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1510:-:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1510:-:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1510_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1510_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1511:-:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1511:-:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1511_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1511_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1512:-:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx1512:-:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1512_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx1512_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx5000:-:*:*:*:*:*:*:*:

cpe:2.3:h:siemens:ruggedcom_rox_rx5000:-:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx5000_firmware:*:*:*:*:*:*:*:*:

cpe:2.3:o:siemens:ruggedcom_rox_rx5000_firmware:*:*:*:*:*:*:*:*:

No vendor comments have been submitted for this CVE

← Previous ID

Next ID→