



CVE-2020-10531

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Summary

CVE	CVE-2020-10531
State	PUBLIC
Assigner	cve@mitre.org
Source Priority	CVE Program / NVD first with legacy fallback
Published	2020-03-12 19:15:00 UTC
Updated	2023-11-07 03:14:00 UTC
Description	An issue was discovered in International Components for Unicode (ICU) for C/C++ through 66.1. An integer overflow, leading to a denial of service (DoS) attack, was discovered in the ICU library. The issue is caused by a buffer overflow in the ICU library, which can be exploited to cause a denial of service (DoS) attack. The issue is present in the ICU library versions 66.1 and earlier.

Risk And Classification

Problem Types: CWE-787 | CWE-190

NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	Canonical	Ubuntu Linux	12.04	All	All	All
Operating System	Canonical	Ubuntu Linux	14.04	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	19.10	All	All	All
Operating System	Debian	Debian Linux	10.0	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	Fedoraproject	Fedora	30	All	All	All
Operating System	Fedoraproject	Fedora	31	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Application	Google	Chrome	All	All	All	All
Application	Google	Chrome	All	All	All	All
Application	Icu-project	International Components For Unicode	All	All	All	All
Application	Nodejs	Node.js	All	All	All	All
Application	Nodejs	Node.js	All	All	All	All
Operating System	Opensuse	Leap	15.1	All	All	All

Application	Oracle	Banking Extensibility Workbench	14.3.0	All	All	All
Application	Oracle	Banking Extensibility Workbench	14.4.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Desktop	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Server	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	6.0	All	All	All
Operating System	Redhat	Enterprise Linux Workstation	6.0	All	All	All

References

Reference	Source
Red Hat Customer Portal	REDHA
[SECURITY] Fedora 30 Update: chromium-80.0.3987.149-1.fc30 - package-announce - Fedora Mailing-Lists	
Oracle Critical Patch Update Advisory - April 2022	MISC
Chrome Releases: Stable Channel Update for Desktop	MISC
[SECURITY] Fedora 31 Update: chromium-80.0.3987.132-1.fc31 - package-announce - Fedora Mailing-Lists	
USN-4305-1: ICU vulnerability Ubuntu security notices Ubuntu	UBUNT
[security-announce] openSUSE-SU-2020:0459-1: important: Security update	SUSE
Oracle Critical Patch Update Advisory - July 2021	N/A
[SECURITY] Fedora 31 Update: chromium-80.0.3987.132-1.fc31 - package-announce - Fedora Mailing-Lists	FEDOF
Log in with Atlassian account	MISC
ICU-20958 Prevent SEGV_MAPERR in append · unicode-org/icu@b7d08bc · GitHub	MISC
ICU: Integer overflow (GLSA 202003-15) — Gentoo security	GENTO
[SECURITY] Fedora 30 Update: chromium-80.0.3987.149-1.fc30 - package-announce - Fedora Mailing-Lists	FEDOF
[SECURITY] Fedora 33 Update: nodejs-14.15.1-1.fc33 - package-announce - Fedora Mailing-Lists	FEDOF
[SECURITY] [DLA 2151-1] icu security update	MLIST
[SECURITY] Fedora 33 Update: nodejs-14.15.1-1.fc33 - package-announce - Fedora Mailing-Lists	
ICU-20958 Prevent SEGV_MAPERR in UnicodeString::doAppend() by FrankYFTang · Pull Request #971 · unicode-org/icu · GitHub	MISC
Debian -- Security Information -- DSA-4646-1 icu	DEBIA
9f4020916eb1f28f3666f018fdcb6c9a37f0e08 - chromium/deps/icu - Git at Google	MISC
1044570 - chromium - An open-source project to help move the web forward. - Monorail	MISC
Oracle Critical Patch Update Advisory - January 2021	MISC
CVE Program record	CVE.O
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

Legacy QID Mappings

[376915](#) Alibaba Cloud Linux Security Update for icu (ALINUX2-SA-2020:0035)

[377102](#) Alibaba Cloud Linux Security Update for nodejs:14 (ALINUX3-SA-2021:0022)

[500258](#) Alpine Linux Security Update for icu

[504008](#) Alpine Linux Security Update for icu

[591406](#) Siemens SIMATIC S7-1500 CPU GNU/Linux subsystem Multiple Vulnerabilities (SSB-439005, ICSA-22-104-13)

[670276](#) EulerOS Security Update for icu (EulerOS-SA-2021-1801)

[755134](#) SUSE Enterprise Linux Security Update for icu73_2 (SUSE-SU-2023:3563-2)

[755187](#) SUSE Enterprise Linux Security Update for icu73_2 (SUSE-SU-2023:3563-3)

[940162](#) AlmaLinux Security Update for nodejs:12 (ALSA-2020:1293)

[940389](#) AlmaLinux Security Update for nodejs:10 (ALSA-2020:1317)

[940418](#) AlmaLinux Security Update for icu (ALSA-2020:0902)

[960302](#) Rocky Linux Security Update for nodejs:12 (RLSA-2020:1293)

[960400](#) Rocky Linux Security Update for nodejs:10 (RLSA-2020:1317)

[960876](#) Rocky Linux Security Update for icu (RLSA-2020:0902)

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