



CVE-2020-35636

Published on: 03/04/2021 12:00:00 AM UTC

Last Modified on: 05/30/2023 06:15:00 AM UTC

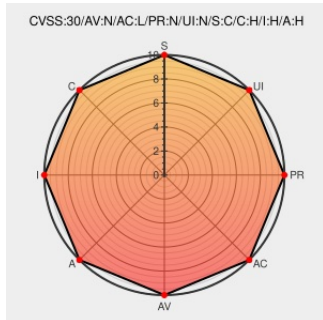
CVE-2020-35636

[Source: Mitre](#)

[Source: NIST](#)

[CVE.ORG](#)

[Print: PDF](#)



Certain versions of [Computational Geometry Algorithms Library](#) from [Cgal](#) contain the following vulnerability:

A code execution vulnerability exists in the Nef polygon-parsing functionality of CGAL libcgcal CGAL-5.1.1 in Nef_S2/SNC_io_parser.h SNC_io_parser::read_sfce() sfh->volume() OOB read. A specially crafted malformed file can lead to an out-of-bounds read and type confusion, which could lead to code execution. An attacker can provide malicious input to trigger this vulnerability.

CVE-2020-35636 has been assigned by [talos-cna@cisco.com](#) to track the vulnerability - currently rated as **CRITICAL** severity.

CVSS3 Score: **9.8 - CRITICAL**

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

CVSS2 Score: **7.5 - HIGH**

Access Vector	Access Complexity	Authentication
NETWORK	LOW	NONE
Confidentiality Impact	Integrity Impact	Availability Impact
PARTIAL	PARTIAL	PARTIAL

CVE References

Description	Tags	Link
[SECURITY] [DLA 3226-1] cgal security update	lists.debian.org text/html	MLIST [debian-lts-announce] 20221206 [SECURITY] [DLA 3226-1] cgal security update

[SECURITY] Fedora 33 Update: CGAL-5.1.3-1.fc33 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	 FEDORA FEDORA-2021-9de542ab4c
[SECURITY] Fedora 34 Update: CGAL-5.2.1-1.fc34 - package-announce - Fedora Mailing-Lists	lists.fedoraproject.org text/html	 FEDORA FEDORA-2021-0d42c7cb33
TALOS-2020-1225 Cisco Talos Intelligence Group - Comprehensive Threat Intelligence	Third Party Advisory talosintelligence.com text/html	 MISC talosintelligence.com/vulnerability_reports/TALOS-2020-1225
[SECURITY] [DLA 2649-1] cgal security update	lists.debian.org text/html	 MLIST [debian-lts-announce] 20210505 [SECURITY] [DLA 2649-1] cgal security update
CGAL: Multiple Vulnerabilities (GLSA 202305-34) — Gentoo security	security.gentoo.org text/html	 GENTOO GLSA-202305-34

By selecting these links, you may be leaving CVEreport webspace. We have provided these links to other websites because they may have information that would be of interest to you. No inferences should be drawn on account of other sites being referenced, or not, from this page. There may be other websites that are more appropriate for your purpose. CVEreport does not necessarily endorse the views expressed, or concur with the facts presented on these sites. Further, CVEreport does not endorse any commercial products that may be mentioned on these sites. Please address comments about any linked pages to comment@cve.report.

Related QID Numbers

- [178595](#) Debian Security Update for cgal (DLA 2649-1)
- [181304](#) Debian Security Update for cgal (DLA 3226-1)
- [281708](#) Fedora Security Update for CGAL (FEDORA-2021-9de542ab4c)
- [281709](#) Fedora Security Update for CGAL (FEDORA-2021-0d42c7cb33)
- [710741](#) Gentoo Linux CGAL Multiple Vulnerabilities (GLSA 202305-34)

Exploit/POC from Github

This repository contains a collection of data files on known Common Vulnerabilities and Exposures (CVEs). Each file i...

Known Affected Configurations (CPE V2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Cgal	Computational Geometry Algorithms Library	5.1.1	All	All	All
Application	Cgal	Computational Geometry Algorithms Library	5.1.1	All	All	All
Operating System	Debian	Debian Linux	10.0	All	All	All
Operating System	Fedoraproject	Fedora	33	All	All	All
Operating System	Fedoraproject	Fedora	34	All	All	All
cpe:2.3:a:cgal:computational_geometry_algorithms_library:5.1.1:****:*****:						
cpe:2.3:a:cgal:computational_geometry_algorithms_library:5.1.1:****:*****:						
cpe:2.3:o:debian:debian_linux:10.0:*****:						

cpe:2.3:o:debian:debian_max:10.0:.....

cpe:2.3:o:fedoraproject:fedora:33:*****:

cpe:2.3:o:fedoraproject:fedora:34:*****:

No vendor comments have been submitted for this CVE

Social Mentions

Source	Title	Posted (UTC)
--------	-------	--------------

← Previous ID

Next ID→

© [CVE.report](#) 2023   |

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](#)