



# CVE-2022-33070

[MITRE](#)[NVD](#)[CVE.ORG](#)[JSON API](#)[Print: PDF !\[\]\(003082e50e3009141f59bd5df831749f\_img.jpg\)](#)

## Summary

<b>CVE</b>	CVE-2022-33070
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2022-06-23 17:15:00 UTC
<b>Updated</b>	2023-11-07 03:48:00 UTC
<b>Description</b>	Protobuf-c v1.4.0 was discovered to contain an invalid arithmetic shift via the function parse_tag_and_wiretype in protobuf-c

## Risk And Classification

**Problem Types:** NVD-CWE-noinfo

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Operating System	<a href="#">Fedoraproject</a>	<a href="#">Fedora</a>	36	All	All	All
Application	<a href="#">Protobuf-c Project</a>	<a href="#">Protobuf-c</a>	1.4.0	All	All	All

## References

Reference	Source
Only shift unsigned values to avoid implementation-specific behavior. by millert · Pull Request #508 · protobuf-c/protobuf-c · GitHub	MISC
[SECURITY] Fedora 36 Update: protobuf-c-1.4.1-2.fc36 - package-announce - Fedora Mailing-Lists	FEDORA
[SECURITY] Fedora 36 Update: protobuf-c-1.4.1-2.fc36 - package-announce - Fedora Mailing-Lists	FEDORA
UndefinedBehaviorSanitizer: invalid left shift in protobuf-c.c:2086 · Issue #506 · protobuf-c/protobuf-c · GitHub	MISC
CVE Program record	CVE.ORG
NVD vulnerability detail	NVD

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

[181982](#) Debian Security Update for protobuf-c (CVE-2022-33070)

[198873](#) Ubuntu Security Notification for protobuf-c Vulnerability (USN-5531-1)

<a href="#">199112</a> Ubuntu Security Notification for Sudo Vulnerabilities (USN-5811-1)
<a href="#">283090</a> Fedora Security Update for protobuf (FEDORA-2022-3be472fe11)
<a href="#">354317</a> Amazon Linux Security Advisory for protobuf-c : ALAS2022-2022-248
<a href="#">354532</a> Amazon Linux Security Advisory for protobuf-c : ALAS-2022-248
<a href="#">355232</a> Amazon Linux Security Advisory for protobuf-c : ALAS2023-2023-086
<a href="#">502785</a> Alpine Linux Security Update for protobuf-c
<a href="#">672259</a> EulerOS Security Update for sudo (EulerOS-SA-2022-2701)
<a href="#">672301</a> EulerOS Security Update for sudo (EulerOS-SA-2022-2669)
<a href="#">902367</a> Common Base Linux Mariner (CBL-Mariner) Security Update for protobuf-c (9973)
<a href="#">902469</a> Common Base Linux Mariner (CBL-Mariner) Security Update for protobuf-c (10114)
<a href="#">902638</a> Common Base Linux Mariner (CBL-Mariner) Security Update for protobuf-c (9973-1)

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