



# CVE-2022-48468

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

## Summary

<b>CVE</b>	CVE-2022-48468
<b>State</b>	PUBLIC
<b>Assigner</b>	cve@mitre.org
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2023-04-13 21:15:00 UTC
<b>Updated</b>	2023-11-07 03:56:00 UTC
<b>Description</b>	protobuf-c before 1.4.1 has an unsigned integer overflow in parse_required_member.

## Risk And Classification

**Problem Types:** CWE-190

## NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	Protobuf-c Project	Protobuf-c	All	All	All	All

## References

Reference	Source	Link
[SECURITY] Fedora 37 Update: libsignal-protocol-c-2.3.3-8.fc37 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org/">lists.fedoraproject</a>
unsigned integer overflow · Issue #499 · protobuf-c/protobuf-c · GitHub	MISC	<a href="https://github.com">github.com</a>
Merge pull request #513 from protobuf-c/edmonds/issue499 · protobuf-c/protobuf-c@ec3d900 · GitHub	MISC	<a href="https://github.com">github.com</a>
Release protobuf-c 1.4.1 · protobuf-c/protobuf-c · GitHub	MISC	<a href="https://github.com">github.com</a>
[SECURITY] Fedora 37 Update: libsignal-protocol-c-2.3.3-8.fc37 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org/">lists.fedoraproject</a>
[SECURITY] Fedora 38 Update: libsignal-protocol-c-2.3.3-9.fc38 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org/">lists.fedoraproject</a>
[SECURITY] Fedora 38 Update: libsignal-protocol-c-2.3.3-9.fc38 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org/">lists.fedoraproject</a>
Fix issue #499: unsigned integer overflow by edmonds · Pull Request #513 · protobuf-c/protobuf-c · GitHub	MISC	<a href="https://github.com">github.com</a>
[SECURITY] Fedora 36 Update: libsignal-protocol-c-2.3.3-7.fc36 - package-announce - Fedora Mailing-Lists		<a href="https://lists.fedoraproject.org/">lists.fedoraproject</a>
[SECURITY] Fedora 36 Update: libsignal-protocol-c-2.3.3-7.fc36 - package-announce - Fedora Mailing-Lists	FEDORA	<a href="https://lists.fedoraproject.org/">lists.fedoraproject</a>
CVE Program record	CVE.ORG	<a href="http://www.cve.org">www.cve.org</a>
NVD vulnerability detail	NVD	<a href="http://nvd.nist.gov">nvd.nist.gov</a>

No vendor comments have been submitted for this CVE.

## Legacy QID Mappings

161080 Oracle Enterprise Linux Security Update for protobuf-c (ELSA-2023-6621)
161139 Oracle Enterprise Linux Security Update for protobuf-c (ELSA-2023-6944)
183756 Debian Security Update for libsignal-protocol-cprotobuf-c (CVE-2022-48468)
242316 Red Hat Update for protobuf-c (RHSA-2023:6621)
242425 Red Hat Update for protobuf-c (RHSA-2023:6944)
242860 Red Hat Update for protobuf-c (RHSA-2024:0406)
283950 Fedora Security Update for libsignal (FEDORA-2023-8b0938312e)
283951 Fedora Security Update for libsignal (FEDORA-2023-6cfe134db6)
284165 Fedora Security Update for libsignal (FEDORA-2023-4e094d5297)
355606 Amazon Linux Security Advisory for protobuf-c : ALAS2-2023-2142
379250 Alibaba Cloud Linux Security Update for protobuf-c (ALINUX3-SA-2024:0004)
673179 EulerOS Security Update for protobuf-c (EulerOS-SA-2023-2338)
673198 EulerOS Security Update for protobuf-c (EulerOS-SA-2023-2318)
673226 EulerOS Security Update for protobuf-c (EulerOS-SA-2023-2365)
673234 EulerOS Security Update for protobuf-c (EulerOS-SA-2023-2391)
673419 EulerOS Security Update for protobuf-c (EulerOS-SA-2023-3148)
673819 EulerOS Security Update for protobuf-c (EulerOS-SA-2023-2704)
673944 EulerOS Security Update for protobuf-c (EulerOS-SA-2023-2662)
753939 SUSE Enterprise Linux Security Update for protobuf-c (SUSE-SU-2023:1979-1)
753983 SUSE Enterprise Linux Security Update for protobuf-c (SUSE-SU-2023:2143-1)
906810 Common Base Linux Mariner (CBL-Mariner) Security Update for protobuf-c (26115-1)
906841 Common Base Linux Mariner (CBL-Mariner) Security Update for protobuf-c (26159-1)
941411 AlmaLinux Security Update for protobuf-c (ALSA-2023:6621)
941441 AlmaLinux Security Update for protobuf-c (ALSA-2023:6944)

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**CVE.report and Source URL Uptime Status** [status.cve.report](https://status.cve.report)