



# OpenSC: `sc\_compactlv\_find\_tag` can return out-of-bounds pointers

[MITRE](#)[NVD](#)[CVE.ORG](#)[Print: PDF](#)

## Summary

<b>CVE</b>	CVE-2025-66038
<b>State</b>	PUBLISHED
<b>Assigner</b>	GitHub_M
<b>Source Priority</b>	CVE Program / NVD first with legacy fallback
<b>Published</b>	2026-03-30 18:16:18 UTC
<b>Updated</b>	2026-04-01 17:40:36 UTC
<b>Description</b>	OpenSC is an open source smart card tools and middleware. Prior to version 0.27.0, sc_compactlv_find_tag searches a cc

## Risk And Classification

**Primary CVSS:** v3.1 6.8 MEDIUM from nvd@nist.gov

**CVSS:** 3.1/AV:P/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

**EPSS:** 0.000150000 probability, percentile 0.032870000 (date 2026-04-01)

**Problem Types:** CWE-126 | CWE-126 CWE-126: Buffer Over-read

Version	Source	Type	Score	Severity	Vector
3.1	nvd@nist.gov	Primary	6.8	MEDIUM	CVSS:3.1/AV:P/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H
3.1	security-advisories@github.com	Secondary	3.9	LOW	CVSS:3.1/AV:P/AC:H/PR:N/UI:N/S:U/C:L/I:L/A:L
3.1	CNA	DECLARED	3.9	LOW	CVSS:3.1/AV:P/AC:H/PR:N/UI:N/S:U/C:L/I:L/A:L

## CVSS v3.1 Breakdown

Attack Vector

Physical

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:P/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H

### NVD Known Affected Configurations (CPE 2.3)

Type	Vendor	Product	Version	Update	Edition	Language
Application	<a href="#">Opensc Project</a>	<a href="#">Opensc</a>	All	All	All	All

### Vendor Declared Affected Products

Source	Vendor	Product	Version	Platforms
CNA	<a href="#">OpenSC</a>	<a href="#">OpenSC</a>	affected < 0.27.0	Not specified

### References

Reference	Source	Link	Tags
<a href="https://github.com/OpenSC/OpenSC/commit/6db171bcb6fd7cb3b51098fefbb3b28e44f0a79c">github.com/OpenSC/OpenSC/commit/6db171bcb6fd7cb3b51098fefbb3b28e44f0a79c</a>	<a href="mailto:security-advisories@github.com">security-advisories@github.com</a>	<a href="https://github.com">github.com</a>	Pat
<a href="https://github.com/OpenSC/OpenSC/security/advisories/GHSA-72x5-fwjx-2459">github.com/OpenSC/OpenSC/security/advisories/GHSA-72x5-fwjx-2459</a>	<a href="mailto:security-advisories@github.com">security-advisories@github.com</a>	<a href="https://github.com">github.com</a>	Exp
<a href="https://github.com/OpenSC/OpenSC/wiki/CVE-2025-66038">github.com/OpenSC/OpenSC/wiki/CVE-2025-66038</a>	<a href="mailto:security-advisories@github.com">security-advisories@github.com</a>	<a href="https://github.com">github.com</a>	Ver
CVE Program record	CVE.ORG	<a href="https://www.cve.org">www.cve.org</a>	car
NVD vulnerability detail	NVD	<a href="https://nvd.nist.gov">nvd.nist.gov</a>	car

No vendor comments have been submitted for this CVE.

There are currently no legacy QID mappings associated with this CVE.

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