# Integer Truncation on SQLite

MITRE | NVD | CVE.ORG | JSON API | Print: PDF

## Summary

| | |
|---|---|
| **CVE** | CVE-2025-6965 |
| **State** | PUBLISHED |
| **Assigner** | Google |
| **Source Priority** | CVE Program / NVD first with legacy fallback |
| **Published** | 2025-07-15 14:15:31 UTC |
| **Updated** | 2026-04-14 10:16:29 UTC |
| **Description** | There exists a vulnerability in SQLite versions before 3.50.2 where the number of aggregate terms could exceed the numbe |

## Risk And Classification

**Primary CVSS:** v4.0 7.2 HIGH from cve-coordination@google.com

CVSS:4.0/AV:N/AC:H/AT:P/PR:L/UI:N/VC:L/VI:H/VA:L/SC:L/SI:H/SA:L/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSC:X/MSI:X/MSA:X/S:N/AU:N/R:U/V:D/RE:L/U:Green

**EPSS:** 0.011820000 probability, percentile 0.787930000 (date 2026-04-15)

**Problem Types:** CWE-197 | CWE-197 CWE-197: Numeric Truncation Error

| Version | Source | Type | Score | Severity | Vector |
|---|---|---|---|---|---|
| 4.0 | cve-coordination@google.com | Secondary | 7.2 | HIGH | CVSS:4.0/AV:N/AC:H/AT:P/PR:L/UI:N/VC:L/VI:H/VA:L/SC:L/SI:H |
| 4.0 | CNA | CVSS | 7.2 | HIGH | CVSS:4.0/AV:N/AC:H/AT:P/PR:L/UI:N/VC:L/VI:H/VA:L/SC:L/SI:H |
| 3.1 | nvd@nist.gov | Primary | 9.8 | CRITICAL | CVSS:3.1/AV:N/AC:L/PR:N/UI:N/S:U/C:H/I:H/A:H |

## CVSS v4.0 Breakdown

Attack Vector

Network

Attack Complexity

High

Attack Requirements

Present

Privileges Required

Low

User Interaction

None

Confidentiality

Low

Integrity

High

Availability

Low

Sub Conf.

Low

Sub Integrity

High

Sub Availability

Low

CVSS:4.0/AV:N/AC:H/AT:P/PR:L/UI:N/VC:L/VI:H/VA:L/SC:L/SI:H/SA:L/E:X/CR:X/IR:X/AR:X/MAV:X/MAC:X/MAT:X/MPR:X/MUI:X/MVC:X/MVI:X/MVA:X/MSC:X/MSI:X/MSA:X/S:N/AU:N/R:U/V:D/RE:L/U:Green

## CVSS v3.1 Breakdown

Attack Vector

Network

Attack Complexity

Low

Privileges Required

None

User Interaction

None

Scope

Unchanged

Confidentiality

High

Integrity

High

Availability

High

CVSS:3.1/AV:N/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 | Sqlite | Sqlite | All | All | All | All |

## Vendor Declared Affected Products

| Source | Vendor | Product | Version | Platforms |
|---|---|---|---|---|

| | | | | |
|---|---|---|---|---|
| CNA | SQLite | SQLite | affected 3.50.2 semver | Not specified |
| ADP | Siemens | RUGGEDCOM CROSSBOW Station Access Controller SAC | affected V5.8 custom | Not specified |
| ADP | Siemens | SIDIS Prime | affected V4.0.800 custom | Not specified |

## References

| Reference | Source | Link |
|---|---|---|
| seclists.org/fulldisclosure/2025/Sep/49 | af854a3a-2127-422b-91ae-364da2661108 | secli |
| seclists.org/fulldisclosure/2025/Sep/57 | af854a3a-2127-422b-91ae-364da2661108 | secli |
| www.sqlite.org/src/info/5508b56fd24016c13981ec280ecdd833007c9d8dd595edb295b9... | cve-coordination@google.com | www |
| www.openwall.com/lists/oss-security/2025/09/06/1 | af854a3a-2127-422b-91ae-364da2661108 | www |
| seclists.org/fulldisclosure/2025/Sep/53 | af854a3a-2127-422b-91ae-364da2661108 | secli |
| seclists.org/fulldisclosure/2025/Sep/56 | af854a3a-2127-422b-91ae-364da2661108 | secli |
| cert-portal.siemens.com/productcert/html/ssa-225816.html | 0b142b55-0307-4c5a-b3c9-f314f3fb7c5e | cert- |
| cert-portal.siemens.com/productcert/html/ssa-485750.html | 0b142b55-0307-4c5a-b3c9-f314f3fb7c5e | cert- |
| seclists.org/fulldisclosure/2025/Sep/58 | af854a3a-2127-422b-91ae-364da2661108 | secli |
| CVE Program record | CVE.ORG | www |
| NVD vulnerability detail | NVD | nvd. |

## Vendor Comments And Credit

Discovery Credit

**CNA:** Vlad Stolyarov of Google's Threat Analysis Group, with assistance from Google Big Sleep (en)

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