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CVE-2026-40198 PUBLISHED

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Required CVE Record Information

CNA: CPAN Security Group

Published: 2026-04-10 **Updated:** 2026-04-10

Title: Net::CIDR::Lite versions before 0.23 for Perl does not validate IPv6 group count, which may allow IP ACL bypass

Description

Net::CIDR::Lite versions before 0.23 for Perl does not validate IPv6 group count, which may allow IP ACL bypass. `_pack` check that uncompressed IPv6 addresses (without `::`) have exactly 8 hex groups. Inputs like "abcd", "1:2:3", or "1:2:3:4" are accepted and produce packed values of wrong length (3, 7, or 15 bytes instead of 17). The packed values are used in input and comparison operations. `find()` and `bin_find()` use Perl string comparison (`lt/gt`) on these values, and comparing string lengths gives wrong results. This can cause `find()` to incorrectly report an address as inside or outside a range. Example: `Net::CIDR::Lite->new("::/8"); $cidr->find("1:2:3"); # invalid input, incorrectly returns true` This is the same class of input as CVE-2021-47154 (IPv4 leading zeros) previously fixed in this module. See also CVE-2026-40199, a related issue in the same module affecting IPv4 mapped IPv6 addresses.

CWE 1 Total

[Learn more](#)

- [CWE-1286: CWE-1286 Improper Validation of Syntactic Correctness of Input](#)

Product Status

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Vendor

STIGTSP

Product

Net::CIDR::Lite

Versions 1 Total

Default Status: unaffected

Affected

- affected from `0` before `0.23`

References 3 Total

- <https://github.com/stigtsp/Net-CIDR-Lite/commit/25d65f85dbe4885959a10471725ec9d250a589c3.patch> [↗](#)
- <https://metacpan.org/release/STIGTSP/Net-CIDR-Lite-0.23/changes> [↗](#) release-notes

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