



## The Underbar, episode 9: Olaf Kolkman (part 1) [Learn more](#)

### STIGTSP / Net-CIDR-Lite-0.23 / Changes

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1      Revision history for Perl extension Net::CIDR::Lite.
2
3      0.23  2026-04-10
4          - Security: (CVE-2026-40199) Fix IPv4 mapped IPv6 packed length.
5          - Security: (CVE-2026-40198) Reject invalid uncompressed IPv6.
6      0.22  2021-04-04
7          - Security: IPv4 octets with leading zeroes are no longer allowed.
8          https://blog.urth.org/2021/03/29/security-issues-in-perl-ip-address-
9
10     0.21  Wed Mar 28 14:34:18 2007
11         - Fix RT Tickets:
12         - 14535: Fix spanner clean() docs (reported by carbon at pobox.com).
13         - 25898: Undef dereference with empty object (patch by Adam Tomason).
14         - 30777: Add short_list_range() method (patch by Josef Kutej).
15         - 48308: clean() or list() before add() causes error (reported by David
16         - 50042: spanner add() did not accept non-object (patch by Tomo.M).
17         - 52571: "::" not accepted as valid IPv6 address (reported by Tim Wilde
18
19     0.20  Sun Feb 12 01:00:00 2006
20         - Fix error message on mask values.
21
22     0.19  Sat Jan 30 01:00:00 2006
23         - Allow net mask of zero.
24
25     0.18  Sat May 20 01:00:00 2005
26         - Documented bin_find().
27         - Added pod tests. Watch my kwalitee go up! Woohoo!
28
29     0.17  Wed May 18 12:00:00 2005
30         - Fixed last fix and corresponding test.
31
32     0.16  Wed May 18 10:00:00 2005
33         - Fixed divide by zero on find with empty spanner.
34         - Reported by jgmyers via rt.cpan.org.
35         - Fixed pod errors.
36
37     0.15  Wed Apr 16 13:00:00 2003
38         - Fixed # of tests in test.pl. Thanks to CPAN testers.
39         - Squelched '-w' warning about doubly declared lexical variable.
40         - Thanks to Jan Pieter Cornet.
41
42     0.14  Mon Jul 14 09:00:00 2002
43         - Fixed list_range for '0.0.0.0/32' (and ':::0/32').
44         - Besides, I needed to get past lucky version 13.
45
46     0.13  Mon Jul 14 02:30:00 2002
47         - internal _add_bit method was never meant to overflow, but previous
48         - fix made it necessary, but it wasn't doing it correctly, so I
49         - had to change the internal data structure to store N+1 bytes
50         - (5 bytes for 32 bit IPv4, and 17 bytes for IPv6), and change the
51         - rest of the program to deal with it.
52
53     0.12  Sun Jul 14 22:00:00 2002
54         - Fixed off by one error on end of range in list_range method.
55         - found by Allen Smith. added test.
56         - binary find was not working when target address was beginning
57         - of a range. Also found by Allen Smith. added another test.
58
59     0.11  Mon Apr 15 21:05:00 2002
60         - Fixed infinite loop in list() when 0.0.0.0/x was given as an address
61         - found by Allen Smith. added test.
62
63     0.10  Tue Nov 27 09:05:00 2001

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56         - Fixed warning in add_range().
57 0.08 Mon Nov 26 10:05:00 2001
58         - Fixed docs.
59 0.07 Wed Oct 31 10:05:00 2001
60         - Lifted some code from Array::IntSpan and tweaked it for my
61           purposes to do a binary search on a find() if the (# of IP addresses
62           # of ranges) is below some percentage (default 4%). The initial
63           search setup is still O(n*log(n)) for the sort, but it can speed up
64           subsequent searches for IP addresses. I haven't benchmarked
65           any of this, so for you Benchmark fanatics who use this module,
66           let me know some stats, please :-).
67         - Added binary search capability to N::C::L find method.
68         - Fixed NCL::Span find method (never trust version 1 of this stuff).
69 0.06 Tue Oct 30 10:05:00 2001
70         - Add find methods, one for ip lookup within a single cidr object, and
71           another as an Array::IntSpan style lookup, but for looking up address
72           in labeled cidr objects. Both are moderately inefficient for looking
73           single ip addresses multiple times, but the latter is fairly efficient
74           at looking up many ip addresses all at once.
75 0.05 Thu Oct 25 10:05:00 2001
76         - Changed some unpack/pack code to use vec(). Thanks to Tye
77           for the knowledge and know-how (especially on how to efficiently use
78           the little-endian vec function on a big-endian string).
79           Unpack/pack w/operations on strings is sometimes faster
80           than the vec() method for some strings, but probably not
81           in the common case.
82 0.04 Tue Oct 23 18:05:00 2001
83         - bug in add_range() wasn't entering the end ip correctly.
84         - added list_range() function. Not sure if its useful since
85           it doesn't output ranges in CIDR netblocks. Could be changed
86           if desired, let me know either way.
87 0.03 Tue Oct 23 17:05:00 2001
88         - _compress_ipv6() was not stripping leading zeros within a block.
89 0.02 Tue Oct 23 14:45:00 2001
90         - Do addition with pseudo-bit manipulation (thanks to Tye for
91           initial idea, may go to complete binary operations in the future).
92         - Added IPv6 support.
93         - Clean up null nodes on 'as you go' on contiguous ranges (thanks
94           again to Tye for the idea and directly lifted code).
95         - Added more methods to simulate functionality of Net::CIDR and then
96           some (e.g. added add_range() function). Still don't have
97           octets function.
98 0.01 Tue Oct 16 09:26:01 2001
99         - Basic idea to use a hash to store the ranges improves speed
100          over Net::CIDR ( O(n*n) vs. O(n*log(n)) for you big O fans).
101          (created in answer to a 'challenge' posted by Dominus on perlmonks).
102          - original version; created by h2xs 1.21 with options
103            -A -X -n Net::CIDR::Lite

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