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## **YVES / Sereal-Decoder-4.010 / Changes**

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1 Revision history(1) for Perl extension Sereal-Decoder
2
3 *****
4 * Warning: For a seamless upgrade, upgrade to version 4      *
5 *   of the decoder before upgrading to version 4 of the    *
6 *   encoder!                                               *
7 *****
8 4.010 Tues February 4, 2020
9   * Update miniz
10  * Update zstd
11  * perltidy perl code to a standard style
12
13 4.009 Fri January 31, 2020
14  * Update pport.h for modern perls.
15
16 4.008 Thurs Jan 30, 2020
17  * Build fixes for modern perls.
18  * Pod fixes
19
20 4.007 Tues Apr 9, 2019
21  * Tweak docs for looks_like_sereal/scalar_looks_like_sereal
22
23 4.006 Mon Apr 8, 2019
24  * Version bump only
25
26 4.005 Tues Jan 23, 2018
27  * Document and fix decode_from_file()
28
29 4.004 Sun Nov 12
30  * Fix build issues from C++ style comments
31  * Fixup build_requires
32
33 4.003 Sun Nov 12
34  * Fixup Devel::CheckLib usage
35  * Build fixes
36
37 4.002
38  * Full release of Zstandard compression support etc.
39
40 4.001_001 Mon Feb  6 11:13:40 CEST 2017
41  * Sereal v4 release with Zstandard compression support
42  * https://github.com/facebook/zstd
43
44 3.015 Thu Sep  1 20:18:44 CEST 2016
45  * Fix builds under 5.25+
46  * Fix various buffer overrun bugs found using AFL (thanks to dgryski)
47  * Fix issue in decode_from_file()
48
49 3.014 Dec  7 2015
50  * Fix builds under 5.8.9
51
52 3.012 Dec  6 2015
53  * Yet another release related to broken META files.
54  * ExtUtils::MakeMaker and CPAN::Meta need to be up to date
55  * or the META files miss stuff.
56

```

57 3.011 Dec 6 2015  
58 \* No significant changes. Doc typo fixes, and build tweaks.  
59 v  
~~60 3.010 Dec 1 2015~~  
61 \* Build fixes.  
62  
63 3.009 Nov 30 2015  
64 \* Re-release 3.008 with updated META files.  
65  
66 3.008 Nov 27 2015  
67 \* FIX: Win32 build issues.  
68  
69 3.007 Nov 26 2015  
70 \* Build fixes for boxes without any Sereal installed (it seems  
71 to be common on certain types of smokers, and not on others).  
72 \* [ENCODER]: new sort orders added.  
73 \* Fix incremental parsing of utf8 strings. See  
74 <https://rt.cpan.org/Public/Bug/Display.html?id=93892>  
75 \* Encoder fixes.  
76  
77 3.006 Nov 14 2015  
78 \* [DECODER] fix segfaults from heavily corrupted data. Guards  
79 against various pathological cases which could cause segfaults  
80 fixed. Thanks to Damian Gryski and "fuzzing sereal with afl"  
81 for finding these cases.  
82 \* [ENCODER] Various subtle fixes to how we choose whether to serialize  
83 the string or numeric version of a value, in particular to  
84 ensure that "00" always round trips as "00", and related issues.  
85 Note this fix has correctness and performance consequences. In  
86 some cases values that used to be serialized as integers (arguably  
87 incorrectly) will be serialized as strings instead, and some code  
88 maybe be slower to serialize.  
89 NOTE: Some issues related to this subject are not fixable without  
90 a protocol change. In particular this change may affect the behavior  
91 of code that uses binary logical operators on values serialized  
92 with Perl.  
93 Thanks to Zefram, Tom, and others for help with this issue.  
94 \* Fixups for cast warnings under -Wint-to-ptr builds by using  
95 using PTR2INT and INT2PTR for casting our objects.  
96 \* Win32 fixes  
97 \* Build improvements  
98 \* Changes to how we generate constants  
99  
100 3.005 Jan 05 2015  
101 \* Build improvements related to char signedness being platform  
102 dependent.  
103  
104 3.004 Dec 27 2014  
105 \* Performance optimizations and other miscellaneous changes.  
106 \* Build improvements.  
107 \* Win32 fixes for weakrefs.  
108  
109 3.003 Oct 19 2014  
110 \* Niko Tyni fixed the 64-bit big endian Sereal bug! (Yay Niko!)  
111 \* Sereal::Decoder::Constants will now have a defined \$VERSION  
112 \* Setup META.yml correctly so that certain dependencies are  
113 marked as being test dependencies and not build or run-time  
114 dependencies.

115 \* Allow one to build against an externally supplied version  
116  miniz. Thanks to Petr Písař <ppisar@redhat.com>  
117 v

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118 ~~3.002 Aug 20 2014~~  
119 \* Summary of changes from 3.001 - 3.002  
120 - Introduce "set\_readonly" option to decoder  
121 - Introduce "set\_readonly\_scalars" option to decoder  
122  
123 \* Bug fixes  
124 - Fix assertion fails in DEBUG perls (Brian Fraser)  
125 - Fix segfault with "into" interface when decoding references and  
126 strings into the same target SV. See new test t/550\_decode\_into.t  
127  
128 \* Test Infra Changes  
129 - Split up bulk tests to speed up testing and make it easier  
130 to see when a failure is restricted to a specific option.  
131  
132 \* Big-Endian Support  
133 - Improved support for Big-Endian machines. We now build and pass test  
134 on Sparc and HP-UX and other platforms with big-endian or strict  
135 alignedness requirements. Much thanks to Jarkko Hietaniemi,  
136 Gregor Herrmann, and H. Merijn Brand for for their assistance with  
137 this.  
138 - We still have issues with s390x (Z/Os) with Sereal. If someone wants  
139 to help it would be appreciated.  
140

141 3.001  
142 - Upgrade to version 3 of the protocol  
143 \* Add Zlib compression support to the protocol  
144 \* Add Zlib support to Encoder/Decoder  
145 \* Add CANONICAL\_UNDEF tag to represent PL\_sv\_undef  
146 \* Change magic header so it is trivial to detect  
147 and reject utf8 encoded Sereal packets.  
148 - Change how we serialize variables which have more  
149 than one of IOK, NOK, and POK set. In general we  
150 favour the numeric form, with the exception of when  
151 all three are set when we favour the string form  
152 (this is to handle engineering notation like "0E0"  
153 where numeric and string equivalence may differ)  
154  
155 Full change history available at <https://github.com/Sereal/Sereal>