Changelog

[v2.4.0](#) (2020-12-28)

[Full Changelog](#)

Closed issues:

- OPENJPEG_INSTALL_DOC_DIR does not control a destination directory where HTML docs would be installed. [#1309](#)
- Heap-buffer-overflow in lib/openjp2/pi.c:312 [#1302](#)
- Heap-buffer-overflow in lib/openjp2/t2.c:973 [#1299](#)
- Heap-buffer-overflow in lib/openjp2/pi.c:623 [#1293](#)
- Global-buffer-overflow in lib/openjp2/dwt.c:1980 [#1286](#)
- Heap-buffer-overflow in lib/openjp2/tcd.c:2417 [#1284](#)
- Heap-buffer-overflow in lib/openjp2/mqc.c:499 [#1283](#)
- Openjpeg could not encode 32bit RGB float image [#1281](#)
- Openjpeg could not encode 32bit RGB float image [#1280](#)
- ISO/IEC 15444-1:2019 (E) compared with 'cio.h' [#1277](#)
- Test-suite failure due to hash mismatch [#1264](#)
- Heap use-after-free [#1261](#)
- Memory leak when failing to allocate object... [#1259](#)
- Memory leak of Tier 1 handle when OpenJPEG fails to set it as TLS... [#1257](#)
- Any plan to build release for CVE-2020-8112/CVE-2020-6851 [#1247](#)
- failing to convert 16-bit file: opj_t2_encode_packet(): only 5251 bytes remaining in output buffer. 5621 needed. [#1243](#)
- CMake+VS2017 Compile OK, thirdparty Compile OK, but thirdparty not install [#1239](#)
- New release to solve CVE-2019-6988 ? [#1238](#)
- Many tests fail to pass after the update of libtiff to version 4.1.0 [#1233](#)
- Another heap buffer overflow in libopenjp2 [#1231](#)
- Heap buffer overflow in libopenjp2 [#1228](#)
- Endianness of binary volume (JP3D) [#1224](#)
- New release to resolve CVE-2019-12973 [#1222](#)
- how to set the block size,like 128,256 ? [#1216](#)
- compress YUV files to motion jpeg2000 standard [#1213](#)
- Repair/update Java wrapper, and include in release [#1208](#)
- abc [#1206](#)
- Slow decoding [#1202](#)
- Installation question [#1201](#)
- Typo in test_decode_area - *ptilew is assigned instead of *ptileh [#1195](#)
- Creating a J2K file with one POC is broken [#1191](#)
- Make fails on Arch Linux [#1174](#)
- Heap buffer overflow in opj_t1_clbl_decode_processor() triggered with Ghostscript [#1158](#)
- opj_stream_get_number_byte_left: Assertion `p_stream->m_byte_offset >= 0' failed. [#1151](#)
- The fuzzer ignores too many inputs [#1079](#)
- out of bounds read [#1068](#)

Merged pull requests:

- Change defined WIN32 [#1310](#) ([Jamaika1](#))
- docs: fix simple typo, producted -> produced [#1308](#) ([timgates42](#))

- Set ${OPENJPEG_INSTALL_DOC_DIR} to DESTINATION of HTMLs [#1307](lemniscati)
- Use INC_DIR for OPENJPEG_INCLUDE_DIRS (fixes uclouvain#1174) [#1306](matthew-sharp)
- pi.c: avoid out of bounds access with POC (fixes #1302) [#1304](rouault)
- Encoder: grow again buffer size [#1303](zodf0055980)
- opj_j2k_write_sod(): avoid potential heap buffer overflow (fixes #1299) (probably master only) [#1301](rouault)
- pi.c: avoid out of bounds access with POC (refs https://github.com/uclouvain/openjpeg/issues/1293\#issuecomment-737122836\) [#1300](rouault)
- opj_t2_encode_packet(): avoid out of bound access of #1297, but likely not the proper fix [#1298](rouault)
- opj_t2_encode_packet(): avoid out of bound access of #1294, but likely not the proper fix [#1296](rouault)
- opj_j2k_setup_encoder(): validate POC compno0 and compno1 (fixes #1293) [#1295](rouault)
- Encoder: avoid global buffer overflow on irreversible conversion when... [#1292](rouault)
- Decoding: deal with some SPOT6 images that have tiles with a single tile-part with TPsot == 0 and TNsot == 0, and with missing EOC [#1291](rouault)
- Free p_tcd_marker_info to avoid memory leak [#1288](zodf0055980)
- Encoder: grow again buffer size [#1287](zodf0055980)
- Encoder: avoid uint32 overflow when allocating memory for codestream buffer (fixes #1243) [#1276](rouault)
- Java compatibility from 1.5 to 1.6 [#1263](jiapei100)
- opj_decompress: fix double-free on input directory with mix of valid and invalid images [#1262](rouault)
- openjp2: Plug image leak when failing to allocate codestream index. [#1260](sebras)
- openjp2: Plug memory leak when setting data as TLS fails. [#1258](sebras)
- openjp2: Error out if failing to create Tier 1 handle. [#1256](sebras)
- Testing for invalid values of width, height, numcomps [#1254](szukw000)
- Single-threaded performance improvements in forward DWT for 5-3 and 9-7 (and other improvements) [#1253](rouault)
- Add support for multithreading in encoder [#1248](rouault)
- Add support for generation of PLT markers in encoder [#1246](rouault)
- Fix warnings about signed/unsigned casts in pi.c [#1244](rouault)
- opj_decompress: add sanity checks to avoid segfault in case of decoding error [#1240](rouault)
- ignore wrong icc [#1236](szukw000)
- Implement writing of IMF profiles [#1235](rouault)
- tests: add alternate checksums for libtiff 4.1 [#1234](rouault)
- opj_tcd_init_tile(): avoid integer overflow [#1232](rouault)
- tests/fuzzers: link fuzz binaries using $LIB_FUZZING_ENGINE. [#1230](Dor1s)
- opj_j2k_update_image_dimensions(): reject images whose coordinates are beyond INT_MAX (fixes #1228) [#1229](rouault)
- Fix resource leaks [#1226](dodys)
- abi-check.sh: fix false postive ABI error, and display output error log [#1218](rouault)
- pi.c: avoid integer overflow, resulting in later invalid access to memory in opj_t2_decode_packets() [#1217](rouault)
- Add check to validate SGcod/SPcoc/SPcod parameter values. [#1211](sebras)
- Fix buffer overflow reading an image file less than four characters [#1196](robert-ancell)
- compression: emit POC marker when only one single POC is requested (f... [#1192](rouault)
- Fix several potential vulnerabilities [#1185](Young-X)
- openjp2/j2k: Report error if all wanted components are not decoded. [#1164](sebras)

[v2.3.1](#) (2019-04-02)

[Full Changelog](#)

Closed issues:

- v2.2.0 regression for decoding images where TNsot == 0 [#1120](#1120)
- Int overflow in jp3d [#1162](#1162)
- Heap buffer overflow in opj_j2k_update_image_data() triggered with Ghostscript [#1157](#1157)
- LINUX install doesn't work when building shared libraries is disabled [#1155](#1155)
- OPENJPEG null ptr dereference in openjpeg-2.3.0/src/bin/jp2/convert.c:2243 [#1152](#1152)
- How to drop certain subbands/layers in DWT [#1147](#1147)
- where is the MQ-Coder ouput stream in t2.c? [#1146](#1146)
- OpenJPEG 2.3 (and 2.2?) multi component image fails to decode with KDU v7.10 [#1132](#1132)
- Missing checks for header_info.height and header_info.width in function pnmtoimage in src/bin/jpwl/convert.c, which can lead to heap buffer overflow [#1126](#1126)
- Assertion Failure in jp2.c [#1125](#1125)
- Division-by-zero vulnerabilities in the function pi_next_pcrl, pi_next_cprl and pi_next_rpcl in src/lib/openjp3d/pi.c [#1123](#1123)
- Precinct switch (-c) doesn't right-shift last record to remaining resolution levels [#1117](#1117)
- Sample: encode J2K a data using streams??? [#1114](#1114)
- HIGH THROUGHPUT JPEG 2000 (HTJ2K) [#1112](#1112)
- How to build openjpeg for arm linux? [#1108](#1108)
- crash [#1106](#1106)
- JP2000 returning OPJ_CLRSPC_UNKNOWN color space [#1103](#1103)
- Compilation successful but install unsuccessful: Calling executables throws libraries missing error [#1102](#1102)
- fprintf format string requires 1 parameter but only 0 are given [#1093](#1093)
- fprintf format string requires 1 parameter but only 0 are given [#1092](#1092)
- sprintf buffer overflow [#1088](#1088)
- sprintf buffer overflow [#1085](#1085)
- Infinite loop when reading jp2 [#1081](#1081)
- missing format string parameter [#1074](#1074)
- Excessive Iteration in opj_t1_encode_cblks (src/lib/openjp2/t1.c) [#1059](#1059)
- Out-of-bound left shift in opj_j2k_setup_encoder (src/lib/openjp2/j2k.c) [#1057](#1057)
- Encode image on Unsplash [#1054](#1054)
- Integer overflow in opj_t1_encode_cblks (src/lib/openjp2/t1.c) [#1053](#1053)
- Signed Integer Overflow - 68065512 [#1048](#1048)
- Similar vulnerable functions related to CVE-2017-14041 [#1044](#1044)
- [ERROR] COD marker already read. No more than one COD marker per tile. [#1043](#1043)
- failing to install latest version of openjpeg from source [#1041](#1041)
- Trouble compressing large raw image [#1032](#1032)
- Download and installed code from 2.3 archive. Installing 2.2? [#1030](#1030)
- missing fclose [#1029](#1029)
- NULL Pointer Access in function imagetopnm of convert.c(jp2):1289 [#860](#860)
- NULL Pointer Access in function imagetopnm of convert.c:2226(jp2) [#859](#859)
- Heap Buffer Overflow in function imagetotga of convert.c(jp2):942 [#858](#858)

Merged pull requests:

- abi-check.sh: fix broken download URL [#1188](#1188) (rouault)
- opj_t1_encode_cblks: fix UBSAN signed integer overflow [#1187](#1187) (rouault)
- convertbmp: detect invalid file dimensions early (CVE-2018-6616) [#1172](#1172) (hlef)
- color_apply_icc_profile: avoid potential heap buffer overflow [#1170](#1170) (rouault)
- Fix multiple potential vulnerabilities and bugs [#1168](#1168) (Young-X)
- Fix several memory and resource leaks [#1163](#1163) (nforro)
- Fix some potential overflow issues [#1161](#1161) (stweil)
- jp3d/jpwl convert: fix write stack buffer overflow [#1160](#1160) (hlef)

- Int overflow fixed [#1159](ichlubna)
- Update knownfailures- files given current configurations [#1149](rouault)
- CVE-2018-5785: fix issues with zero bitmasks [#1148](hlef)
- openjp2/jp2: Fix two format strings [#1143](stweil)
- Changes in pnmtoimage if image data are missing [#1141](szukw000)
- Relative path to header files is hardcoded in OpenJPEGConfig.cmake.in file [#1140](bukatlib)
- Cast on uint ceildiv [#1136](reverson)
- Add -DBUILD_PKGCONFIG_FILES to install instructions [#1133](robe2)
- Fix some typos in code comments and documentation [#1128](stweil)
- Fix regression in reading files with TNsot == 0 (refs #1120) [#1121](rouault)
- Use local type declaration for POSIX standard type only for MS compiler [#1119](stweil)
- Fix Mac builds [#1104](rouault)
- jp3d: Replace sprintf() by snprintf() in volumetobin() [#1101](kbabioch)
- opj_mj2_extract: Rename output_location to output_prefix [#1096](kbabioch)
- mj2: Add missing variable to format string in fprintf() invocation in meta_out.c [#1094](kbabioch)
- Convert files to UTF-8 encoding [#1090](stweil)
- fix unchecked integer multiplication overflow [#1080](setharnold)
- Fixed typos [#1062](radarhere)
- Note that seek uses SEEK_SET behavior. [#1055](ideasman42)
- Some Doxygen tags are removed [#1050](szukw000)
- Fix resource leak (CID 179466) [#1047](stweil)
- Changed cmake version test to allow for cmake 2.8.11.x [#1042](radarhere)
- Add missing fclose() statement in error condition. [#1037](gfiumara)

v2.3.0 (2017-10-04)

[Full Changelog](#)

Implemented enhancements:

- Sub-tile decoding: only decode precincts and codeblocks that intersect the window specified in opj_set_decode_area() [#990](rouault)
- Sub-tile decoding: only apply IDWT on areas that participate to the window of interest [#1001](rouault)
- Sub-tile decoding: memory use reduction and perf improvements [#1010](rouault)
- Add capability to decode only a subset of all components of an image. [#1022](rouault)

Fixed bugs:

- Setting x offset of decode region to -1 causes opj_decompress to go into infinite loop [#736](#)
- Problem decoding multiple tiles with get_decoded_tile when cmap/pclr/cdef boxes are present in jp2 file [#484](#)
- set reduce_factor_may_fail [#474](#)
- opj_compress.exe, command line parser, infinite loop [#469](#)
- Various memory access issues found via fuzzing [#448](#)
- Multiple warnings when building OpenJPEG (trunk) [#442](#)
- Bulk fuzz-testing report [#427](#)
- remove all printf from openjpeg / use proper function pointer for logging [#371](#)
- minor changes, clean-up [#349](#)
- image->numcomps > 4 [#333](#)
- Improve support for region of interest [#39](#)
- Public function to tell kernel type used (5x3 vs 9x7) [#3](#)
- elf binary in source package ? [#1026](#)

- opj_cio_open [#1025](#)
- Building with Visual Studio 2015 [#1023](#)
- tcd.cpp>:1617:33: error: assigning to 'OPJ_INT32 *' (aka 'int *') from incompatible type 'void *' [#1021](#)
- j2k.cpp > comparison of address of 'p_j2k->m_cp.tcps[0].m_data' not equal to a null pointer is always true [#1020](#)
- Openjpeg 2.2.0 always build shared library even though -DBUILD_SHARED_LIBS:bool=off [#1019](#)
- missing fclose [#1018](#)
- Use opj_image_data_free instead of opj_free for image->comps[].data [#1014](#)
- malloc poison on some compilers - cross compiling [#1013](#)
- Add OPJ_VERSION_MAJOR, OPJ_VERSION_MINOR, OPJ_VERSION_MICRO macros in openjpeg.h [#1011](#)
- Encode: do not perform rate control for single-tile lossless [#1009](#)
- opj_set_decoded_resolution_factor(): bad interaction with opj_set_decode_area() and/or opj_decode() [#1006](#)
- memory allocation failure with .pgx file [#999](#)
- Unable to fuzz with raw image as input [#998](#)
- stack-based buffer overflow write in pgxtoimage (/convert.c) [#997](#)
- freeze with a crafted bmp [#996](#)
- invalid memory write in tgatoimage (convert.c) [#995](#)
- static build on Windows fails [#994](#)
- another heap-based buffer overflow in opj_t2_encode_packet (t2.c) [#993](#)
- heap-based buffer overflow in opj_t2_encode_packet (t2.c) [#992](#)
- heap-based buffer overflow in opj_write_bytes_LE (cio.c) (unfixed #985) [#991](#)
- heap overflow in opj_compress [#988](#)
- heap overflow in opj_decompress [#987](#)
- heap-based buffer overflow in opj_bio_byteout (bio.c) [#986](#)
- heap-based buffer overflow in opj_write_bytes_LE (cio.c) [#985](#)
- memory allocation failure in opj_aligned_alloc_n (opj_malloc.c) [#983](#)
- heap-base buffer overflow in opj_mqc_flush (mqc.c) [#982](#)
- Decode fails for JP2s with ICC profile [#981](#)
- Unit tests failing on Ubuntu 17.04 [#916](#)
- Encoder crashes on small images [#901](#)
- openjpeg-1.5.3 fails to compile [#830](#)
- opj_compress crops image (win) or creates a jp2 which cannot be decompressed (lin) [#716](#)
- -d flag is silently ignored when decoding a single tile [#693](#)
- transition away from dev-utils [#628](#)
- update instructions to build with Visual Studio and 64-Bit Visual C++ Toolset. [#1028](#) ([quangnh89](#))
- Add missing newline at end of file [#1024](#) ([stweil](#))
- merge master into coverity_scan to update coverity results [#1008](#) ([detonin](#))
- Use more const qualifiers [#984](#) ([stweil](#))
- Changes in converttif.c for PPC64 [#980](#) ([szukw000](#))

[v2.2.0](#) (2017-08-10)

[Full Changelog](#)

Implemented enhancements:

- Memory consumption reduction at decoding side [#968](#) ([rouault](#))
- T1 & DWT multithreading decoding optimizations [#786](#) ([rouault](#))
- Tier1 decoder speed optimizations [#783](#) ([rouault](#))
- Inverse DWT 5x3: lift implementation / SSE accelerated version [#953](#)
- install static libraries [#969](#) ([jeroen](#))
- IDWT 5x3 single-pass lifting and SSE2/AVX2 implementation [#957](#) ([rouault](#))

- build both shared and static library [#954](jeroen)
- T1 flag optimizations (#172) [#945](rouault)
- CMake: add stronger warnings for openjp2 lib/bin by default, and error out on declaration-after-statement [#936](rouault)
- Quiet mode for opj_decompress via -quiet long parameter. [#928](RussellMcOrmond)
- Implement predictive termination check [#800](rouault)

Fixed bugs:

- Several issues spotted by Google OSS Fuzz - see here
- Missing fclose [#976](#976)
- Heap buffer overflow read in openjpeg imagetopnm [#970](#970)
- opj_decompress opj_j2k_update_image_data() Segment falut [#948](#948)
- Generic Crash in 1.5.0 [#941](#941)
- Segmentation Faults [#940](#940)
- Assertions thrown [#939](#939)
- Floating Point Errors [#938](#938)
- Division by zero crash [#937](#937)
- malformed jp2 can cause heap-buffer-overflow [#909](#909)
- NULL dereference can cause by malformed file [#908](#908)
- Out of bound read in opj_j2k_add_mct [#907](#907)
- Check bpno_plus_one in opj_t1_decode_cblk [#903](#903)
- Undefined-shift in opj_j2k_read_siz [#902](#902)
- opj_compress v2.1.2 can create images opj_decompress cannot read [#891](#891)
- Improper usage of opj_int_ceildiv can cause overflows [#889](#889)
- Undefined shift in opj_get_all_encoding_parameters [#885](#885)
- Denial of service (crash) due to use-after-free when decoding an illegal JPEG2000 image file v2.1.2 (2017-04 [#880](#880)
- Denial of service (crash) when decoding an illegal JPEG2000 image file v2.1.2 (2017-03) [#879](#879)
- bug png 2 j2k [#868](#868)
- Inconsistent compression using cinema settings on folder of non-compliant image [#864](#864)
- Openjpeg-2.1.2 Heap Buffer Overflow Vulnerability due to Insufficient check [#862](#862)
- Heap Buffer Overflow in function pnmtoimage of convert.c [#861](#861)
- CVE-2016-9112 FPE(Floating Point Exception) in lib/openjp2/pi.c:523 [#855](#855)
- CVE-2016-5139, CVE-2016-5152, CVE-2016-5158, CVE-2016-5159 [#854](#854)
- Undefined Reference error [#853](#853)
- opj_compress with lossy compression results in strange pixel values [#851](#851)
- CVE-2016-1626 and CVE-2016-1628 [#850](#850)
- Out-of-Bounds Write in opj_mqc_byteout of mqc.c [#835](#835)
- WARNING in tgt_create tree->numnodes == 0, no tree created. [#794](#794)
- Potential overflow when precision is larger than 32 [#781](#781)
- division-by-zero in function opj_pi_next_rpcl of pi.c (line 366) [#780](#780)
- division-by-zero in function opj_pi_next_rpcl of pi.c (line 363) [#779](#779)
- division-by-zero in function opj_pi_next_pcrl of pi.c (line 447) [#778](#778)
- division-by-zero in function opj_pi_next_pcrl of pi.c (line 444) [#777](#777)
- Encoding the following file with 32x32 tiling produces jp2 image with artifact [#737](#737)
- division-by-zero (SIGFPE) error in opj_pi_next_cprl function (line 526 of pi.c) [#732](#732)
- division-by-zero (SIGFPE) error in opj_pi_next_cprl function (line 523 of pi.c) [#731](#731)
- OpenJpeg 2.1 and 1.4 fails to decompress this file correctly [#721](#721)
- MQ Encode :uninitialized memory access when first pass does not output any bytes [#709](#709)
- Out-of-bounds read in opj_j2k_update_image_data and opj_tgt_reset function [#704](#704)

- Remove opj_aligned_malloc / opj_aligned_realloc / opj_aligned_free? [#689](#689)
- There is an issue with rendering some type of jpeg file. Please ref the link. [#672](#672)
- Null Dereference in tcd_malloc_decode_tile [#657](#657)
- ETS-C1P0-p0_12.j2k-compare2ref & NR-C1P0-p0_12.j2k-compare2base failing under windows [#655](#655)
- Memory leak [#631](#631)
- Test 481 reports error in valgrind memcheck [#612](#612)
- reserved identifier violation [#587](#587)
- Buffer overflow when compressing some 16 bits images of the test suite [#539](#539)
- Heap-buffer-overflow in opj_dwt_decode_1 [#480](#480)
- Automated fuzz testing [#468](#468)
- Expected to find EPH marker [#425](#425)
- read: segment too long (6182) with max (35872) for codeblock 0 (p=19, b=2, r=5, c=1) [#284](#284)
- building 64bit version has lots of warnings [#244](#244)
- Wrong encoding of small tiles with high level number [#239](#239)
- Errors raised in pi.c by VS11 analyzer [#190](#190)
- Undocumented optimization found in v2 branch of openjpeg [#183](#183)
- T1 optimisations jpeg2000 [#172](#172)
- Remove OPJ_NOSANITIZE in opj_bio_read() and opj_bio_write() (#761) [#955](#955) (rouault)
- Fix bypass pterm termall and lossless decomposition issue (#891, #892) [#949](#949) (rouault)
- Escape quotes to ensure README renders on GitHub correctly [#914](#914) (alexwlchan)
- Remove spurious .R macros from manpages [#899](#899) (jwilk)
- Remove warnings related to empty tag-trees. [#893](#893) (rouault)

Maintenance-related tasks:

- Submit OpenJPEG to oss-fuzz [#965](#965)
- Updates for Doxygen to suppress warnings [#849](#849)
- Remove useless knownfailures (since LAZY encoding is fixed) [#964](#964) (rouault)
- Enable AVX2 at runtime on Travis-CI and AppVeyor [#963](#963) (rouault)
- Tests: test opj_compress in VSC mode (related to #172) [#935](#935) (rouault)
- Reformat: apply reformattin on .h files (#128) [#926](#926) (rouault)
- Add mechanisms to reformat and check code style, and reformat whole codebase (#128) [#919](#919) (rouault)
- Add profiling of CPU and memory usage (#912) [#918](#918) (rouault)
- Add performance benchmarking scripts [#917](#917) (rouault)
- Fix retrieval of jpylyzer in AppVeyor [#915](#915) (rouault)

[v2.1.2](v2.1.2) (2016-09-28)

[Full Changelog](#)

Closed issues:

- null ptr dereference in convert.c:1331 [#843](#843)
- Out-of-Bounds Read in function bmp24toimage of convertbmp.c [#833](#833)
- Disable automatic compilation of t1_generate_luts in CMakeLists.txt [#831](#831)
- CVE-2016-7163 Integer overflow in opj_pi_create_decode [#826](#826)
- Security Advisory for OpenJPEG [#810](#810)
- Add dashboard with static lib [#804](#804)
- hidden visibility for the static library / building with -DOPJ_STATIC against shared lib [#802](#802)
- Optimization when building library from source [#799](#799)
- unsigned int16 on Solaris 11.2/sparc [#796](#796)
- appveyor [#793](#793)

- FFMpeg will not link to 2.1.1 release built as shared library [#766](#766)
- API change since v2: opj_event_mgr_t not available [#754](#754)
- openjpeg.h needs dependencies [#673](#673)
- "master" does not build on ubuntu [#658](#658)
- Package 'openjp2', required by 'libopenjpip', not found [#594](#594)

Merged pull requests:

- Fix PNM file reading [#847](#847) ([mayeut](#))
- Fix some issues reported by Coverity Scan [#846](#846) ([stweil](#))
- Fix potential out-of-bounds read (coverity) [#844](#844) ([stweil](#))
- Remove TODO for overflow check [#842](#842) ([mayeut](#))
- Add overflow checks for opj_aligned_malloc [#841](#841) ([mayeut](#))
- Flags in T1 shall be unsigned [#840](#840) ([mayeut](#))
- Fix some warnings [#838](#838) ([mayeut](#))
- Fix issue 833. [#834](#834) ([trylab](#))
- Add overflow checks for opj_aligned_malloc [#832](#832) ([mayeut](#))
- Add test for issue 820 [#829](#829) ([mayeut](#))
- Add test for issue 826 [#827](#827) ([mayeut](#))
- Fix coverity 113065 (CWE-484) [#824](#824) ([mayeut](#))
- Add sanity check for tile coordinates [#823](#823) ([mayeut](#))
- Add test for PR 818 [#822](#822) ([mayeut](#))
- Update to libpng 1.6.25 [#821](#821) ([mayeut](#))
- CVE-2016-8332: fix incrementing of "l_tcp->m_nb_mcc_records" in opj_j2k_read_mcc [#820](#820) ([mayeut](#))
- Add overflow check in opj_tcd_init_tile [#819](#819) ([mayeut](#))
- Fix leak & invalid behavior of opj_jp2_read_ihdr [#818](#818) ([mayeut](#))
- Add overflow check in opj_j2k_update_image_data [#817](#817) ([mayeut](#))
- Change 'restrict' define to 'OPJ_RESTRICT' [#816](#816) ([mayeut](#))
- Switch to clang 3.8 [#814](#814) ([mayeut](#))
- Fix an integer overflow issue [#809](#809) ([trylab](#))
- Update to lcms 2.8 [#808](#808) ([mayeut](#))
- Update to libpng 1.6.24 [#807](#807) ([mayeut](#))
- Reenable clang-3.9 build on travis [#806](#806) ([mayeut](#))
- Bit fields type [#805](#805) ([smuehlst](#))
- Add compilation test for standalone inclusion of openjpeg.h [#798](#798) ([mayeut](#))
- jpwl: Remove non-portable data type u_int16_t (fix issue #796) [#797](#797) ([stweil](#))
- Fix dependency for pkg-config (issue #594) [#795](#795) ([stweil](#))
- Add .gitignore [#787](#787) ([stweil](#))

[v2.1.1](#) (2016-07-05)

[Full Changelog](#)

Implemented enhancements:

- opj_malloc replacement [#625](#625)
- backport "-p" and "-force-rgb" options in 1.5 [#606](#606)
- Use travis-ci matrix build [#581](#581)
- Add Coverity Scan analysis [#580](#580)
- Unnecessary rate distortion calculations [#479](#479)
- Add images from various security issues to test suite [#415](#415)
- Coding speed for 9/7 on 32bits platforms (x86/ARM) can be improved with a quick fix [#220](#220)

Fixed bugs:

- Out-of-Bounds Access in function opj_tgt_reset of tgt.c #775
- Heap Buffer Overflow in function color_cmyk_to_rgb of color.c #774
- division-by-zero (SIGFPE) error in opj_tcd_init_tile function (line 730 of tcd.c) #733
- Out-Of-Bounds Read in sycc422_to_rgb function #726
- Heap Corruption in opj_free function #725
- Out-Of-Bounds Read in opj_tcd_free_tile function #724
- Cannot handle box of undefined size #653
- Compilation fails without platform-supplied aligned malloc #642
- HP compiler warns about redeclaration of static function #640
- Implementation-defined behavior of malloc causes different behavior on Linux and AIX #635
- Build on AIX fails because "opj_includes.h" is included after system headers #633
- Compiling with SSE2 on Linux 32-bit causes crashes in OpenJPEG #624
- Build on AIX fails because of "restrict" pointers #620
- bug in new tif conversion code #609
- bin/jp2/convert.c line 1085 Resource leak #607
- bin/jp2/convert.c memory leak #601
- Resource leak in opj_j2k_create_cstr_index in case of failure #599
- Resource leak in opj_j2k_encode in case of failure #598
- Resource leak in opj_j2k_decode_one_tile in case of failure #597
- Resource Leak #573
- opj_compress fails to compress lossless on gcc/x86 (-m32) #571
- Use-after-free in opj_j2k_write_mco #563
- openjpeg-master-2015-07-30 failed to compile on LINUX #556
- PNG images are always read as RGB(A) images #536
- g4_colr.j2c not handled properly #532
- Bigendian: opj_compress + opj_decompress fails #518
- Suspicious code in j2k.c #517
- Decode times almost double(!!) on Visual Studio 2013, 2015 #505
- opj_data/input/nonregression/issue226.j2k #500
- opj_setup_encoder always returns true #497
- Double free in j2k_read_ppm_v3 parsing ((presumably invalid) image. #496
- Invalid write in opj_j2k_update_image_data #495
- Undefined printf format specifier %ud used in code #494
- Potential double free on malloc failure in opj_j2k_copy_default_tcp_and_create_tcp() #492
- Do not link with -ffast-math #488
- Heap-buffer-overflow in opj_dwt_decode #486
- opj_dump fails on Windows 7, 64 bits #482
- SIGSEGV in opj_j2k_update_image_data via pdfium_test #481
- Heap-buffer-overflow in opj_j2k_tcp_destroy #477
- Invalid image causes write past end of heap buffer #476
- Assertion `l_res->x0 >= 0' fails when parsing invalid images #475
- Bug on opj_write_bytes_BE function #472
- Refactor j2k_read_ppm_v3 function #470
- compression: strange precinct dimensions #466
- (:- Console message in opj_decompress -:) #465
- opj_decompress fails to decompress any files #463
- bio->ct is unnecessarily set to zero in opj_bio_flush method #461
- Maximal unsigned short is 65535, not 65536 #460
- OpenJpeg fails to encode components with different precision properly #459

- component precision upscaling isn't correct in opj_decompress [#458](#458)
- Multiple precision components won't get encoded to jp2 if 1 component is unsigned 1 bit [#457](#457)
- Incorrect code in ../bin/jp2/convert.c, function rawtoimage_common(...) [#456](#456)
- [OpenJPEG-trunk] opj_stream_get_number_byte_left throws assert [#455](#455)
- NR-DEC-kodak_2layers_lrcp.j2c-31-decode-md5 fails randomly when running tests in parallel [#454](#454)
- compare_raw_files doesn't report an error on invalid arguments / missing input files [#453](#453)
- Forward discrete wavelet transform: implement periodic symmetric extension at boundaries [#452](#452)
- Bug in tiff reading method in convert.c [#449](#449)
- Image in pdf don't display [#447](#447)
- Multiple issues causing opj_decompress to segfault [#446](#446)
- opj_compress: 40% of encode time is spent freeing data [#445](#445)
- Multiple warnings when configuring OpenJPEG on MacOS with CMake 3.x (trunk) [#443](#443)
- valgrind memleak found [#437](#437)
- global-buffer-overflow src/lib/openjp2/t1.c:1146 opj_t1_getwmsedec [#436](#436)
- Warning introduced on trunk r2923 & r2924 [#435](#435)
- heap-buffer-overflow in opj_t1_decode_cblks [#432](#432)
- Heap-buffer-overflow in opj_tcd_init_decode_tile [#431](#431)
- Heap-buffer-overflow in opj_j2k_tcp_destroy [#430](#430)
- Heap-buffer-overflow in opj_jp2_apply_pclr [#429](#429)
- issue412 revisited [#428](#428)
- Image distorted (sides look cankered) [#423](#423)
- openjpeg-2.x-trunk-r2918 is broken in color.c [#422](#422)
- Heap-buffer-overflow in opj_tcd_init_decode_tile [#420](#420)
- Heap-use-after-free in opj_t1_decode_cblks [#418](#418)
- UNKNOWN in opj_read_bytes_LE [#417](#417)
- Transparency problem [#416](#416)
- Image with per channel alpha (cdef) does not decode properly [#414](#414)
- OpenJPEG crashes with attached image [#413](#413)
- Palette image with cdef fails to decompress [#412](#412)
- Invalid member values from opj_read_header or opj_decode ? [#411](#411)
- MD5 Checksum hangs under valgrind on MacOS X [#410](#410)
- Heap-buffer-overflow in opj_tcd_get_decoded_tile_size [#408](#408)
- C++ style comments in trunk/src/lib/openjp2/j2k.c [#407](#407)
- Backport bugfixes from trunk to 2.1 branch [#405](#405)
- Heap-buffer-overflow in parse_cmdline_encoder [#403](#403)
- Heap-buffer-overflow in opj_v4dwt_interleave_h [#400](#400)
- Heap-buffer-overflow in opj_dwt_decode [#399](#399)
- Heap-use-after-free in opj_t1_decode_cblks [#398](#398)
- Heap-buffer-overflow in opj_jp2_apply_cdef [#397](#397)
- Heap-buffer-overflow in opj_t2_read_packet_header [#396](#396)
- Heap-buffer-overflow in opj_t2_read_packet_header [#395](#395)
- Heap-buffer-overflow in opj_dwt_decode_1 [#394](#394)
- Heap-double-free in j2k_read_ppm_v3 [#393](#393)
- Security hole in j2k.c [#392](#392)
- Security: double-free in opj_tcd_code_block_dec_deallocate [#391](#391)
- check for negative-size params in code [#390](#390)
- Heap-buffer-overflow in opj_t2_read_packet_header [#389](#389)
- Heap overflow in OpenJpeg 1.5.2 [#388](#388)
- openjpip.so.6 file too short [#387](#387)
- Corrupted JP3D file [#386](#386)

- variable assigned to itself [#383](#)
- Null pointer dereferencing [#382](#)
- bad use of case statement [#381](#)
- Release 2.1 as a Ubuntu package [#380](#)
- Bug in libopenjpwl.pc [#374](#)
- inconsistent tile numbering in decode output message [#370](#)
- error in code block calculations [#369](#)
- r2872 fails to compile due to "attempt to use poisoned malloc" error in j2k.c [#368](#)
- OSX build gives libopenjp2.6.dylib with not-absolute install name id [#367](#)
- opj_decompress gives error but successfully decompress in OPJ 2.1 [#366](#)
- pngtoimage() and imagetopng() have wrong byte order for 16-Bit image [#365](#)
- PDF crash in chrome - part2 (due to attachment limit) [#364](#)
- PDF crash in chrome - part1 [#363](#)
- PDF crash in chrome - part0 [#362](#)
- Compilation fails on Windows with mingw32 gcc4.8 [#361](#)
- security issue [#360](#)
- improve memory management [#359](#)
- how to compress a yuv420 raw data using opj_compress [#357](#)
- Some memory allocation are not checked [#355](#)
- Static library symbols shall be marked as hidden [#354](#)
- opj_compress rejects valid bmp files [#353](#)
- opj_compress crashes when number of resolutions is set to zero [#352](#)
- Compilation error under Visual Studio 2003 [#351](#)
- opj_compress description example error [Low priority] [#350](#)
- opj_write_bytes_BE is wrong in trunk [#345](#)
- PART1ONLY option in release.sh doesn't work properly [#332](#)
- openjpeg crash error [#330](#)
- openjpeg decompress error [#329](#)
- openjpeg decompress issue [#326](#)
- limited tif support [#322](#)
- asoc value of 65536 is allowed [#321](#)
- opj_skip_from_file error [#314](#)
- Heavy quota usage in openjpeg [#309](#)
- Verify -help actually match letter [#307](#)
- g3_colr.j2c not handled [#288](#)
- reopen/fix issue 165 [#280](#)
- kakadu conformance tests [#279](#)
- missing break after case statement in opj_dwt_decode_real [#274](#)
- Run Coverity on trunk [#270](#)
- NR-ENC-random-issue-0005.tif-12-encode [#259](#)
- Use new add_test signature to handle cross compilation [#258](#)
- Loss decoding quality in 2.0.0 [#254](#)
- Decompress that worked in 1.5.1 fails in 2.0 [#252](#)
- Expected endianness with raw input is not documented leading to SEGFAULT [#251](#)
- OpenJPEG writes to stderr [#246](#)
- Inconsistent logging of tile index [#245](#)
- patch for openjpeg-trunk-r2347 and BIG_ENDIAN [#242](#)
- CMAP: MTYP == 0 (direct use) not handled properly [#235](#)
- Black Pixel [#233](#)
- opj_compress runtime error after fresh Linux install due to apparent failure to execute ldconfig [#219](#)

- openjp2 debug works, release build does not [#217](#217)
- openjpeg-branch15-r2299 and openjpeg-trunk-r2299 fail to decode a JP2 file [#212](#212)
- openjpeg-trunk issue with Win7 [#201](#201)
- undefined reference to `opj_version' [#200](#200)
- In tgt.c we used fprintf not the openjpeg message reporter [#184](#184)
- Windows binaries not working under WinXP [#176](#176)
- add ability to use intel ipp (performance primitive) within OpenJPEG [#164](#164)
- Migration guide v2 [#160](#160)
- Cannot decompress JPEG2000Aware3.18.7.3Win32_kdutranscode6.3.1.j2k [#158](#158)
- Cannot decompress JPEG2000Aware3.18.7.3Win32.j2k [#157](#157)
- openjpeg@googlegroups.com has disappeared [#153](#153)
- OpenJPEG 1.5.0 crashes on a ridiculously big file… [#151](#151)
- opj_image vs free [#146](#146)
- Windows .dll file invalid [#140](#140)
- Problem with second layer of a 2 layer coded LRCP (with precincts) [#135](#135)
- version 1.4 crashes when opening PDF file with JPEG2000 images [#133](#133)
- Setup a win64 dashboard [#132](#132)
- J2KP4files/codestreams_profile0/p0_13.j2k question jpeg2000 [#131](#131)
- Out of memory: Kill process 11204 (opj_server) score 917 or sacrifice child [#123](#123)
- FILE* in opj API is unsafe [#120](#120)
- third-party lib order [#119](#119)
- openjpeg-1.5.0-Darwin-powerpc.dmg is huge ! [#113](#113)
- misleading info in JP2 box lead to wrong number of components [#110](#110)
- Image_to_j2k says that j2k files is generated but no file is on the HDD [#109](#109)
- Error in openjpegV1.4 on compiling image_to_j2k: crash on reading bmp file [#108](#108)
- Update to abi-compliance-checker 1.96 [#106](#106)
- Decode error on the attached JPEG…works in KDU and with JASPER…please help! [#101](#101)
- Mac binaries v1.4 is broken [#95](#95)
- jp2_read_boxhdr() has size bug in version 1 [#92](#92)
- Support for Java JAI Imageio [#90](#90)
- encoding test failing [#86](#86)
- source archive on demand [#85](#85)
- CMakeLists.txt and Makefile.am for JPIP are buggy [#84](#84)
- pclr-cmap-cdef [#82](#82)
- Error when compiling openjpeg_v1_4_sources_r697 [#79](#79)
- J2K codec issue on Windows Mobile [#77](#77)
- image_to_j2k.exe crashes on large .bmp file [#75](#75)
- fatal error C1900 building the project on windows [#65](#65)
- same option but different size [#54](#54)
- Missing openjpegConfigure.h [#38](#38)
- Not an issue in openjpeg, but … [#37](#37)
- OpenJPEG-1.3.0 pclr, cmap and cdef [#27](#27)
- realloc maybe too big (t2.c) [#26](#26)
- libopenjpeg/opj_malloc.h breaks on FreeBSD/Darwin systems [#20](#20)
- image_to_j2k not outputting to win32 console properly [#18](#18)
- [OpenJPEG] OpenJPEG_v13: tiled image part 2 [#17](#17)
- JP2 Color Space modification by Matteo Italia [#13](#13)
- Patch submission (exotic video formats, and a few things) [#12](#12)
- 16 bits lossy compression [#10](#10)
- pnm file formats not accepting bitdepth greater than 8 bpp [#8](#8)

- Heap corruption in j2k encoder [#5](#5)
- JPWL crash in marker reallocation(+patch), segfault while decoding image with main header protection [#4](#4)
- a couple of small errors in libopenjpeg detected by coverity [#1](#1)

Closed issues:

- Shared library build broken on ubuntu [#728](#728)
- opj_includes.h shouldn't define `\_\_attribute\_\_` [#727](#727)
- Possible website problems due to Jekyll upgrade [#713](#713)
- Stable Release? [#712](#712)
- Meta Issue : try to fix some of these critical bugs before thinking about optimizing the library [#710](#710)
- Tiled encoding broken for images with non power of 2 dimensions [#702](#702)
- install_name (still) not set on OS X [#700](#700)
- Add section in wiki describing where one can get test images [#699](#699)
- Make EvenManager into singleton [#698](#698)
- Remove old branches from repo [#696](#696)
- MQ Coder encode: Conditional jump or move depends on uninitialised value(s) [#695](#695)
- Can we add these files to our test suite ? [#688](#688)
- -t and -d command line flags for decode are not documented on OpenJPEG website [#685](#685)
- Decoding at the precinct level [#676](#676)
- Support unscaled 10 bit data for 2K cinema @ 48 FPS, as per DCI standard [#671](#671)
- Use parallel jobs in ctest [#664](#664)
- [Security]Multiple Memory error [#663](#663)
- lossy encoding a 16 bit TIF file : severe artifacts in decompressed image [#660](#660)
- opj_compress and opj_decompress : get_next_file method uses hard-coded unix path separator [#630](#630)
- Uninitialized variable [#629](#629)
- Use of enum variable for bit flags prevents compilation as C++ source [#619](#619)
- Serious problem with quantization during lossy encoding [#615](#615)
- Decompression does not work with sequential data source [#613](#613)
- potential overflow in opj_tcd_tile_t [#605](#605)
- Logical condition [#596](#596)
- file9.jp2 does not dump correctly on 1.5 [#595](#595)
- opj_compress man page is missing documentation of -jpip option [#593](#593)
- opj_compress fails to compress lossless on gcc/x86 (-m32) in 1.5 branch [#591](#591)
- Example: opj_compress -i image.j2k -o image.pgm [#577](#577)
- Mismatching delete [#575](#575)
- Compilation fails on Win7 [#546](#546)
- NR-JP2-file5.jp2-compare2base fails with third party libcms [#540](#540)
- CTest spits out an error at the end of the test run [#516](#516)
- opj_uint_adds() is questionable [#515](#515)
- Might consider renaming this method: [#491](#491)
- opj_compress run twice gives different fiile sizes for same file [#490](#490)
- Android Support [#483](#483)
- Add SSE2/SSE41 implementations for mct.c [#451](#451)
- Reduce encoder code block memory usage for non 64x64 code block sizes [#444](#444)
- valgrind "Uninitialized Memory Read" & "Uninitialized Memory Conditional" found [#438](#438)
- No way to debug opj_tcd_init_encode_tile or opj_tcd_init_decode_tile [#433](#433)
- Add option to call dsymutil on built binaries [#409](#409)
- Allow opj_compress and opj_decompress to read/write images over stdin/stdout [#379](#379)
- reduce memory significantly for single tile RGB encoding [#375](#375)
- Switch code repo to github and start using pull request workflow [#373](#373)

- This is a BigTIFF file. This format not supported [#125](#125)
- Add a test suite to check the convert functions [#99](#99)
- Add build config to the dashboard to verify the autotools build [#88](#88)

Merged pull requests:

- Correct abi-check.sh for PR [#791](#791) ([mayeut](#))
- Update tcd.c [#790](#790) ([maddin200](#))
- Update lcms2 [#773](#773) ([mayeut](#))
- Use lowercase for cmake commands consistently [#769](#769) ([julienmalik](#))
- Ignore clang's summary warning [#768](#768) ([julienmalik](#))
- Fix UBSan gcc warning for first arg to memset non null [#767](#767) ([julienmalik](#))
- Update to libtiff-4.0.6 [#764](#764) ([mayeut](#))
- Fix warnings [#763](#763) ([mayeut](#))
- Check SSIZ is valid in opj_j2k_read_siz [#762](#762) ([mayeut](#))
- Fix unsigned int overflow reported by UBSan [#761](#761) ([mayeut](#))
- Fix unsigned int overflow reported by UBSan [#759](#759) ([mayeut](#))
- Fix negative shift left reported by UBSan [#758](#758) ([mayeut](#))
- Fix negative shift left reported by UBSan [#757](#757) ([mayeut](#))
- Add clang 3.9 build to Travis matrix [#753](#753) ([julienmalik](#))
- Fix implicit floating bool conversion [#752](#752) ([julienmalik](#))
- Do not define __attribute__ in opj_includes.h [#751](#751) ([mayeut](#))
- Allow to read/write 3/5/7/9/11/13/15 bpp TIF files [#750](#750) ([mayeut](#))
- Fix heap-buffer-overflow in color_esycc_to_rgb [#748](#748) ([mayeut](#))
- update libpng to from 1.6.17 to 1.6.21 [#747](#747) ([julienmalik](#))
- Update cmake & jpylyzer for travis builds [#746](#746) ([julienmalik](#))
- Fix Out-Of-Bounds Read in sycc42x_to_rgb function [#745](#745) ([mayeut](#))
- cppcheck fix for openjp2 [#740](#740) ([julienmalik](#))
- Fix uninitialized variable reported by cppcheck [#735](#735) ([julienmalik](#))
- Remove dead code in opj_dump [#734](#734) ([julienmalik](#))
- issue #695 MQ Encode: ensure that bp pointer never points to uninitialized memory [#708](#708) ([boxerab](#))
- Fix issue 135 [#706](#706) ([mayeut](#))
- Fix implementation of opj_calloc [#705](#705) ([stweil](#))
- [git/2.1 regression] Fix opj_write_tile() failure when numresolutions=1 [#690](#690) ([rouault](#))
- Fix fatal crash on 64 bit Linux [#687](#687) ([stweil](#))
- [libtiff] Add missing include statement for ssize_t [#686](#686) ([mayeut](#))
- Fix duplicate article in comments [#684](#684) ([stweil](#))
- Fix grammar in comment [#679](#679) ([stweil](#))
- Remove whitespace and CR at line endings [#678](#678) ([stweil](#))
- Fix typos [#665](#665) ([jwilk](#))
- Add missing source for the JPIP library and executables (issue #658) [#659](#659) ([stweil](#))
- Fix undefined size jp2 box handling [#654](#654) ([mayeut](#))
- opj_decompress: Update error message [#651](#651) ([stweil](#))
- Fix support of posix_memalloc for Linux [#648](#648) ([stweil](#))
- Fix typo in comments [#647](#647) ([stweil](#))
- Avoid pointer arithmetic with (void *) pointers [#644](#644) ([smuehlst](#))
- Fix HP compiler warning about redeclaration of function (#640) [#641](#641) ([smuehlst](#))
- Fix format strings and unneeded assignment [#638](#638) ([stweil](#))
- Fix repository for JPEG2000 test data [#637](#637) ([stweil](#))
- Update allocation functions [#636](#636) ([mayeut](#))
- Fix OpenJPEG GitHub issue #633. [#634](#634) ([smuehlst](#))

- travis-ci: Include add ons in matrix [#632](mayeut) ([mayeut](#))
- Add Appveyor [#627](#) ([mayeut](#))
- Use Travis-ci to run ABI check [#626](#) ([mayeut](#))
- Fix warnings for C++ [#623](#) ([stweil](#))
- Fixed problem that C++ compilation failed because of enum variable. [#622](#) ([smuehlst](#))
- Added missing casts for return values of opj_malloc()/opj_calloc(). [#618](#) ([smuehlst](#))
- Add check for seek support before trying TPsot==TNsot workaround [#617](#) ([mayeut](#))
- Fix some typos found by codespell [#610](#) ([stweil](#))
- Correct leak in color_cielab_to_rgb [#590](#) ([mayeut](#))
- Add Travis-ci build matrix [#584](#) ([mayeut](#))
- Correct lossless issue on linux x86 [#579](#) ([mayeut](#))
- Travis-ci update [#578](#) ([mayeut](#))
- Correct CMake version requirements [#572](#) ([mayeut](#))
- Add tests for CMYK/esYCC/CIELab [#567](#) ([mayeut](#))
- Add support for CIELab, EYCC and CMYK [#559](#) ([szukw000](#))
- Remove printf/fprintf to stdout/stderr throughout openjp2 lib [#558](#) ([mayeut](#))
- better -ffast-math handling [#555](#) ([rdieter](#))
- Add jpylyzer tests for JP2 compression [#552](#) ([mayeut](#))
- Add COC/QCC in main header when needed [#551](#) ([mayeut](#))
- Use __emul under msvc x86 for fast 64 = 32 * 32 [#550](#) ([mayeut](#))
- Update convert for PNG output [#549](#) ([mayeut](#))
- Remove some warnings when building [#548](#) ([mayeut](#))
- Switch to libpng-1.6.17 [#547](#) ([mayeut](#))
- Add some missing static keywords [#545](#) ([mayeut](#))
- Switch to libcms2 mm2/Little-CMS@0e8234e090d6aab33f90e2eb0296f30aa0705e57 [#544](#) ([mayeut](#))
- Prevent overflow when coding 16 bits images [#543](#) ([mayeut](#))
- Switch to libcms2-2.6 [#542](#) ([mayeut](#))
- Update PNG support [#538](#) ([mayeut](#))
- Various Minor fixes [#537](#) ([mayeut](#))
- Update TIFF conversion to support more bit depth. [#535](#) ([mayeut](#))
- Add checks for odd looking cmap & for cmap outside jp2h box [#534](#) ([mayeut](#))
- Refactor opj_j2k_read_ppm & opj_j2k_read_ppt [#533](#) ([mayeut](#))
- Add option to force component splitting in imagetopnm [#531](#) ([mayeut](#))
- fix Suspicious code in j2k.c #517 [#529](#) ([renevanderark](#))
- Update zlib to version 1.2.8 [#528](#) ([mayeut](#))
- Fix opj_write_bytes_BE (#518) [#521](#) ([manisandro](#))
- Correctly decode files with incorrect tile-part header fields (TPsot==TNsot) [#514](#) ([mayeut](#))
- Fixed typos [#510](#) ([radarhere](#))
- Formatted the readme file [#507](#) ([htmfilho](#))

version.2.1 (2014-04-29)

List of fixed issues and enhancements unavailable, see [NEWS](#) or [Full Changelog](#)

version.2.0.1 (2014-04-22)

List of fixed issues and enhancements unavailable, see [NEWS](#) or [Full Changelog](#)

version.1.5.2 (2014-03-28)

List of fixed issues and enhancements unavailable, see [NEWS](#) or [Full Changelog](#)

version.2.0 (2014-03-28)

List of fixed issues and enhancements unavailable, see NEWS or Full Changelog

version.1.5.1 (2012-09-13)

List of fixed issues and enhancements unavailable, see NEWS or Full Changelog

version.1.5 (2012-02-07)

List of fixed issues and enhancements unavailable, see NEWS or Full Changelog

version.1.3 (2011-07-03)

List of fixed issues and enhancements unavailable, see NEWS or Full Changelog

version.1.4 (2011-07-03)

List of fixed issues and enhancements unavailable, see NEWS or Full Changelog

version.1.2 (2007-06-04)

List of fixed issues and enhancements unavailable, see NEWS or Full Changelog

version.1.1 (2007-01-31)

List of fixed issues and enhancements unavailable, see NEWS or Full Changelog

* This Change Log was automatically generated by github_changelog_generator