

did so silently. This warning is issued only by the command-line tool, not by the library. The library's handling of this flag is unchanged.

#### 5.0.0: July 10, 2013

- Bug fix: previous versions of qpdf would lose objects with generation != 0 when generating object streams. Fixing this required changes to the public API.
- Removed methods from public API that were only supposed to be called by QPDFWriter and couldn't realistically be called anywhere else. See *ChangeLog* for details.
- New `QPDFObjGen` class added to represent an object ID/generation pair. `QPDFObjectHandle::getObjGen()` is now preferred over `QPDFObjectHandle::getObjectID()` and `QPDFObjectHandle::getGeneration()` as it makes it less likely for people to accidentally write code that ignores the generation number. See *QPDF.hh* and *QPDFObjectHandle.hh* for additional notes.
- Add `--show-npages` command-line option to the **qpdf** command to show the number of pages in a file.
- Allow omission of the page range within `--pages` for the **qpdf** command. When omitted, the page range is implicitly taken to be all the pages in the file.
- Various enhancements were made to support different types of broken files or broken readers. Details can be found in *ChangeLog*.

#### 4.1.0: April 14, 2013

- Note to people including qpdf in distributions: the *.la* files generated by libtool are now installed by qpdf's **make install** target. Before, they were not installed. This means that if your distribution does not want to include *.la* files, you must remove them as part of your packaging process.
- Major enhancement: API enhancements have been made to support parsing of content streams. This enhancement includes the following changes:
  - `QPDFObjectHandle::parseContentStream` method parses objects in a content stream and calls handlers in a callback class. The example *examples/pdf-parse-content.cc* illustrates how this may be used.
  - `QPDFObjectHandle` can now represent operators and inline images, object types that may only appear in content streams.
  - Method `QPDFObjectHandle::getTypeCode()` returns an enumerated type value representing the underlying object type. Method `QPDFObjectHandle::getTypeName()` returns a text string describing the name of the type of a `QPDFObjectHandle` object. These methods can be used for more efficient parsing and debugging/diagnostic messages.
- **qpdf --check** now parses all pages' content streams in addition to doing other checks. While there are still many types of errors that cannot be detected, syntactic errors in content streams will now be reported.
- Minor compilation enhancements have been made to facilitate easier support for a broader range of compilers and compiler versions.
  - Warning flags have been moved into a separate variable in *autoconf.mk*
  - The configure flag `--enable-werror` work for Microsoft compilers
  - All MSVC CRT security warnings have been resolved.
  - All C-style casts in C++ Code have been replaced by C++ casts, and many casts that had been included to suppress higher warning levels for some compilers have been removed, primarily for clarity. Places where