

- Since **qpdf --check** only performs limited checks, clarify the output to make it clear that there still may be errors that qpdf can't check. This should make it less surprising to people when another PDF reader is unable to read a file that qpdf thinks is okay.

2.1.3: March 27, 2010

- Fix bug that could cause a failure when rewriting PDF files that contain object streams with unreferenced objects that in turn reference indirect scalars.
- Don't complain about (invalid) AES streams that aren't a multiple of 16 bytes. Instead, pad them before decrypting.

2.1.2: January 24, 2010

- Fix bug in padding around first half cross reference stream in linearized files. The bug could cause an assertion failure when linearizing certain unlucky files.

2.1.1: December 14, 2009

- No changes in functionality; insert missing include in an internal library header file to support gcc 4.4, and update test suite to ignore broken Adobe Reader installations.

2.1: October 30, 2009

- This is the first version of qpdf to include Windows support. On Windows, it is possible to build a DLL. Additionally, a partial C-language API has been introduced, which makes it possible to call qpdf functions from non-C++ environments. I am very grateful to Žarko Gajic (<http://zarko-gajic.iz.hr/>) for tirelessly testing numerous pre-release versions of this DLL and providing many excellent suggestions on improving the interface.

For programming to the C interface, please see the header file *qpdf/qpdf-c.h* and the example *examples/pdf-linearize.c*.

- Žarko Gajic has written a Delphi wrapper for qpdf, which can be downloaded from qpdf's download side. Žarko's Delphi wrapper is released with the same licensing terms as qpdf itself and comes with this disclaimer: "Delphi wrapper unit *qpdf.pas* created by Žarko Gajic (<http://zarko-gajic.iz.hr/>). Use at your own risk and for whatever purpose you want. No support is provided. Sample code is provided."
- Support has been added for AES encryption and crypt filters. Although qpdf does not presently support files that use PKI-based encryption, with the addition of AES and crypt filters, qpdf is now be able to open most encrypted files created with newer versions of Acrobat or other PDF creation software. Note that I have not been able to get very many files encrypted in this way, so it's possible there could still be some cases that qpdf can't handle. Please report them if you find them.
- Many error messages have been improved to include more information in hopes of making qpdf a more useful tool for PDF experts to use in manually recovering damaged PDF files.
- Attempt to avoid compressing metadata streams if possible. This is consistent with other PDF creation applications.
- Provide new command-line options for AES encrypt, cleartext metadata, and setting the minimum and forced PDF versions of output files.
- Add additional methods to the **QPDF** object for querying the document's permissions. Although qpdf does not enforce these permissions, it does make them available so that applications that use qpdf can enforce permissions.
- The **--check** option to **qpdf** has been extended to include some additional information.