DCMTK - Bug #378

Error in "toffile" (Windows)

2010-12-06 00:00 - Jörg Riesmeier

Status:	Closed	**Start date:**	
Priority:	High	**Due date:**	
Assignee:		**% Done:**	0%
Category:		**Estimated time:**	0:00 hour
Target version:			
Module:	ofstd	**Compiler:**	
Operating System:			

Description

Occured in cross-platform testing under Cygwin 1.7.7:
E-Mail from ME to JR:
This problem:

```
Seeking to start of blocks using SEEK_END [0%------------25%-------------50%--------------75%-----
-----100%] [* Error: unexpected read error after fseek(SEEK_END) to block 6140 Error: fseek() test
s unsuccessful. LFS test failed.
```

I've seen this before in Win32, not sure if it's a problem with OFFile or a bug in the test program though.
What's happening here is that the test program jumps to a random offset with fseek(file, offset, SEEK_END), reads a data block there, but doesn't find the data that should be there at this offset. Either a calculation error in the test program, or a problem with the implementation of fseek(SEEK_END).

=== Nachtrag JR ===

After Uli's correction from 2010-12-13 the test gets a bit further:

```
Seeking to random positions using SEEK_CUR [0%------------25%-------------50%--------------75%----
-------100%] [ Error: unexpected read error after fseek(SEEK_CUR) to block 0 Error: fseek() tests u
nsuccessful. LFS test failed.
```

History

#1 - 2013-04-23 10:21 - Andrew Chiw

Possible error in "toffile" (Windows)
Description

Occured in cross-platform testing under Cygwin 1.7.7:
E-Mail from ME to JR:

```
This problem:
```

```
Seeking to start of blocks using SEEK_END [0%------------25%-------------50%--------------75%----------100%] [
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```

#2 - 2013-04-28 22:49 - Andrew Chiw

- Subject changed from Möglicher Fehler in "toffile" (Windows) to Error in "toffile" (Windows)

#3 - 2016-11-25 14:32 - Marco Eichelberg

- Status changed from New to Closed

Fixed the problem. Apparently the rewind() system call does not work when a read-only file was read to EOF before the call to rewind().
Fixed this by using fseek() instead, which does work.

Closed by commit 9b5a651.