

DCMTK - Feature #1023

Permit OFFile to be used with DcmOutputFileStream

2022-05-10 17:36 - Marco Eichelberg

Status:	Closed	Start date:	2022-05-10
Priority:	Normal	Due date:	
Assignee:		% Done:	100%
Category:	Library	Estimated time:	1:00 hour
Target version:		Compiler:	
Module:	ofstd, dcmdata		
Operating System:			
Description			
The following code, when executed on Linux, leads to a segmentation fault:			
<pre>OFFile* imageFile = new OFFile; DcmOutputFileStream* outStream = nullptr; imageFile->fopen(currentFilename.c_str(), "wb"); outStream = new DcmOutputFileStream(imageFile->file()); delete outStream; delete imageFile;</pre>			
The reason is that the "FILE *" handle is closed twice, once in the OFFile destructor and once in the DcmOutputFileStream destructor. This apparently works on Windows but crashes on Linux.			
Possible solutions:			
<ul style="list-style-type: none">• add method in OFFile and/or DcmOutputFileStream that sets the "FILE *" to NULL without calling fclose()• permit an OFFile instance to be passed to DcmOutputFileStream by reference• add a flag in the constructor in both classes indicating whether or not the file descriptor should be closed in the destructor			

History

#1 - 2022-05-10 17:40 - Marco Eichelberg

Reported 2022-05-04 by Franz Reitner <franz.reitner@excelitas.com>

#2 - 2022-10-30 12:38 - Marco Eichelberg

- Status changed from New to Closed

- % Done changed from 0 to 100

- Estimated time set to 1:00 h

Closed by commit #0c5d89074.