

DCMTK - Bug #388

DICOMDIR causing a crash in the destructor of DcmDicomDir

2011-04-26 00:00 - Jörg Riesmeier

Status:	Closed	Start date:	
Priority:	High	Due date:	
Assignee:	Jörg Riesmeier	% Done:	100%
Category:	Library	Estimated time:	0:00 hour
Target version:	3.6.2	Compiler:	
Module:	dcmdata		
Operating System:			
Description			
see http://forum.dcmkt.org/viewtopic.php?t=2942			
The DICOMDIR-file seems to be coded wrongly. The following offset values occur both in OffsetOfTheNextDirectoryRecord as well as OffsetOfReferencedLowerLevelDirectoryEntity: 27540, 27972, 28404, 29130, 29424. From there the corresponding records may have been deleted twice in the destructor. Obviously this should already be detected and reported as an error during reading.			
In general the robustness/error tolerance of DICOMDIR code (performance as well, see todo list) needs to be improved. Perhaps the readability too... :-)			
siehe http://forum.dcmkt.org/viewtopic.php?t=2942			
Die DICOMDIR-Datei scheint fehlerhaft kodiert zu sein. Die folgenden Offset-Werte kommen sowohl bei OffsetOfTheNextDirectoryRecord als auch bei OffsetOfReferencedLowerLevelDirectoryEntity vor: 27540, 27972, 28404, 29130, 29424. Daher werden vermutlich die entsprechenden Records im Destruktor doppelt gelöscht. Das sollte natürlich bereits beim Einlesen erkannt und als Fehler gemeldet werden.			
Ganz allgemein sollte die Robustheit/Fehlertoleranz des DICOMDIR-Codes (neben der Performance, siehe To-do-Liste) verbessert werden. Vielleicht auch die Übersichtlichkeit ... :-)			

History

#1 - 2013-02-13 17:21 - Jörg Riesmeier

- Target version set to 3.6.2

#2 - 2013-03-19 12:37 - Uli Schlachter

- File `ignore_duplicates.patch` added

The attached patch fixes the crash and some quick testing suggests that it doesn't break anything. However, this seems like something that might need unit tests and some more careful "by hand" testing. Also, this should likely be an error return instead of a log message.

#3 - 2013-03-19 13:19 - Jörg Riesmeier

- Category set to Library

Please don't output a tag like that (separate group and element number). There is an output operator for tag keys ...

#4 - 2013-04-28 23:39 - Andrew Chiw

- Subject changed from *DICOMDIR that caused a crash in the destructor of DcmDicomDir* to *DICOMDIR causing a crash in the destructor of DcmDicomDir*

#5 - 2017-01-27 14:21 - Jörg Riesmeier

- Assignee set to Jörg Riesmeier

#6 - 2017-02-15 18:15 - Jörg Riesmeier

- Status changed from New to Closed

- % Done changed from 0 to 100

Files

ignore_duplicates.patch	1.11 KB	2013-03-19	Uli Schlachter
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