DCMTK - Feature #544

Pass a reference to a DcmDataset to DcmFileFormat without creating a copy

2013-08-23 14:10 - Jörg Riesmeier

Status:	Closed		**Start date:**	2013-08-23
Priority:	Low		**Due date:**	
Assignee:			**% Done:**	0%
Category:	Library		**Estimated time:**	0:00 hour
Target version:				
Module:	dcmdata, (dcmnet)		**Compiler:**	
Operating System:				

Description

Currently, the DcmFileFormat constructor accepting a DcmDataset* always creates a copy. This is ok in many cases but a little inefficient if the DcmFileFormat instance is only created to save the dataset to a file (with meta header). See e.g. this commit.

Attached is a patch, that allows for specifying whether to create a copy or just reference the given dataset.

This new feature would be especially helpful for the SCU/SCP classes in "dcmnet", e.g. when storing a received DICOM dataset. However, deleting the passed DcmDataset during DcmFileFormat destruction might not always be desired since the dataset is still in use ...

History

#1 - 2013-08-26 14:55 - Jörg Riesmeier

- Priority changed from Normal to Low

We now have another solution for this use case (in DcmStorageSCP / dcmrecv):
http://git.dcmtk.org/web?p=dcmtk.git;a=commit;h=b1c6dbefd1750ddec82dde5a1cd11171229eca44

#2 - 2013-09-24 13:01 - Michael Onken

- Status changed from New to Closed

Added functionality to one of the DcmFileFormat constructors.

Files

dcfilefo.patch		2.08 KB	2013-08-23	Jörg Riesmeier