

DCMTK - Bug #1082

Possible memory leak in DcmDataset copy constructor

2023-08-10 13:45 - Marco Eichelberg

Status:	New	Start date:	2023-08-10
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Library	Estimated time:	0:00 hour
Target version:		Compiler:	
Module:	dcmdata		
Operating System:			
Description			
<p>The DCMTK forum post https://forum.dcmkt.org/viewtopic.php?f=5&t=5292 reports that a call to <code>std::make_shared<DcmDataset>(*dataset)</code> causes a memory leak.</p> <p>In this code, <code>std::make_shared<></code> will call the copy constructor for <code>DcmDataset</code>, which in turn calls the copy constructor for <code>DcmItem</code>. We should determine if this is a general problem (i.e. a leak in the copy constructor), or an issue caused by <code>std::make_shared</code>.</p>			