

DCMTK - Feature #342

Option in dcmjpeg to determine whether to compress icon image sequence pixel data or to leave it uncompressed

2011-04-27 00:00 - Omar El Gazzar

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Library and Apps	Estimated time:	0:00 hour
Target version:		Compiler:	
Module:	dcmdata		
Operating System:			
Description			

History

#1 - 2013-08-05 09:29 - Marco Eichelberg

- Module set to dcmdata

The compression codecs in DCMTK recursively search a DcmDataset instance for all occurrences of a PixelData element, and try to apply compression to each element found, even when this is nested within a sequence, e.g. IconImageSequence or some private sequence.

This is OK for the icon image sequence, where the DICOM rules say that it may either be compressed or remain uncompressed, but there are problems sometimes with private sequences. We have received a sample image that contains, in LittleEndianExplicit, a pixel data element that actually contains JPEG data and thus fails compression because there are not sufficient bytes.

It would be good to have an option in all codecs to limit compression/decompression to only the main dataset, and to ignore all other occurrences of the PixelData element.

#2 - 2013-08-15 19:18 - Jörg Riesmeier

- Category set to Library and Apps