

DCMTK - Feature #1076

Only process dcmodify operations in case of user-specific conditions

2023-05-30 14:37 - Michael Onken

Status:	New	Start date:	2023-05-30
Priority:	Normal	Due date:	
Assignee:	Tingyan Xu	% Done:	0%
Category:	Application	Estimated time:	0:00 hour
Target version:	3.7.1+	Compiler:	
Module:	dcmdata		
Operating System:			
Description			
dcmodify executes the operations provided by the user (like -i, -m, -e) in any case. It would be nice to sometimes only run the operations if certain conditions are fulfilled, e.g. if the Patient ID is set to specific value.			
Thus something like the following would be nice:			
<pre>dcmodify -m PatientName="Onken^Michael" -iff "PatientID=4711" -i PatientSex=M</pre>			
This would only modify the patient and set patient sex if Patient ID equals 4711. Note that one could provide multiple -iff options at once (logical AND). The position of the options do not matter, only if they are all true, then the remaining call is executed.			
Notes:			
<ul style="list-style-type: none">• Path syntax (see dcmodify man page) support would be nice, at least without wildcards• In the above syntax "=" was used instead of "==" since there is already parsing code for the "=" syntax, and it is shorter• Various other operators could be possible: "!=" for not equal, -iff PatientName for "if patient name tag is present), -iff PatientName="" for "if patient name is empty". Also an option -ifn for "if not" could handle the negative case, instead of adding extra operators for that. Maybe even operators <, >, <=, >= would be cool.			

History

#1 - 2023-05-30 14:40 - Michael Onken

The option is named -iff instead of -if since the latter is already used for "insert from file" in dcmodify, and -iff is still quite easy to remember ("if and only if").

#2 - 2024-06-26 10:42 - Jörg Riesmeier

- Target version changed from 3.7.1+ to 3.6.9

#3 - 2024-12-06 13:26 - Jörg Riesmeier

- Assignee set to Tingyan Xu

- Target version changed from 3.6.9 to 3.7.1+