

DCMTK - Bug #1045

Some classes and tools handle the DIMSE DataSetType flag incorrectly

2022-11-11 14:36 - Marco Eichelberg

<b>Status:</b>	Closed	<b>Start date:</b>	2022-11-11
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>		<b>% Done:</b>	100%
<b>Category:</b>	Library and Apps	<b>Estimated time:</b>	1:00 hour
<b>Target version:</b>	3.6.8	<b>Compiler:</b>	
<b>Module:</b>	dcmnet, dcmpstat, dcmppscu, dcmpps, dcmppswm, dcmstcom		
<b>Operating System:</b>			
<b>Description</b> <p>In the DICOM network protocol, the DataSetType attribute, which is defined for all DIMSE message types, indicates whether or not a dataset follows after the command set. Value 0x0101 indicates that no dataset follows, all other values indicate that a dataset follows.</p> <p>Some DCMTK code incorrectly checks if the value of DataSetType equals the constant DIMSE_DATASET_PRESENT, defined as 0x0001 in DCMTK, instead of checking if the value is different from 0x0101. This will fail if the code interacts with a different DICOM implementation that uses a different value to indicate that a dataset is present.</p> <p>Affected are the classes DcmSCP, DcmSCU and DcmTLSSCU, as well as the command line tools dcmprscp, dcmprscu, dcmSEND, and dcmrecv. Also affected are the private modules dcmppscu, dcmpps, dcmppswm and dcmstcom.</p>			

History

#1 - 2022-11-11 14:46 - Marco Eichelberg

- Status changed from New to Closed
- % Done changed from 0 to 100
- Estimated time set to 1:00 h

Fixed by commit #30ff1a2e6 for the public modules and commit #0eee72849 for the private modules.