

DCMTK - Feature #425

DCMTK does not compile with UNICODE / _UNICODE defined (Windows only)

2012-05-24 17:18 - Jörg Riesmeier

Status:	Closed	Start date:	2012-05-24
Priority:	Normal	Due date:	
Assignee:	Marco Eichelberg	% Done:	100%
Category:	Library	Estimated time:	5:00 hours
Target version:		Compiler:	
Module:	all		
Operating System:			
Description Currently, DCMTK does not take care of the defines UNICODE / _UNICODE, which are used for the "wide char" API on Windows. In other words, DCMTK currently does not compile when these defines are specified (e.g. Visual Studio 2008 Express). See e.g. http://msdn.microsoft.com/en-us/library/ff381407(v=vs.85).aspx			
Related issues: Related to DCMTK - Feature #543: Check whether "oflog" supports character set... New 2013-08-15			

History

#1 - 2012-06-28 17:15 - Jörg Riesmeier

For now, a comment has been added to the INSTALL file:

Known limitations of DCMTK on the Windows platform.

[...]

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5. DCMTK does not compile when UNICODE or _UNICODE is defined because the
   VisualStudio compiler then uses the Unicode version instead of the ANSI
   version for all Windows API functions (i.e. type wchar_t instead of char
   for all character string parameters and return values).
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#2 - 2012-08-16 09:32 - Jörg Riesmeier

- Tracker changed from Bug to Feature

#3 - 2018-04-11 17:24 - Pedro Fernando Arizpe Gómez

- Status changed from New to Assigned

- Assignee set to Pedro Fernando Arizpe Gómez

#4 - 2019-07-05 10:47 - Jörg Riesmeier

- Related to Feature #543: Check whether "oflog" supports character set conversion added

#5 - 2019-07-05 11:19 - Jörg Riesmeier

With commit b55e5e1 the internal XML parser (ofxml) has been enabled to support "wide characters". However, by defining the macro WIDE_CHAR_XML_PARSER, the class DcmEncapsulatedDocument and the tool cda2dcm loose the ability to parse CDA data (since the API of the parser becomes incompatible) and become useless. pdf2dcm and stl2dcm should still work as expected.

This issue should also be fixed when enabling support for UNICODE / _UNICODE.

#6 - 2020-03-02 15:46 - Marco Eichelberg

- Subject changed from DCMTK does not compile with UNICODE / _UNICODE defined (Windows only?) to DCMTK does not compile with UNICODE / _UNICODE defined (Windows only)

- Status changed from Assigned to Closed

- Assignee changed from Pedro Fernando Arizpe Gómez to Marco Eichelberg

- % Done changed from 0 to 100

- Estimated time set to 5:00 h

Closed by commit #621d553e8 (public modules) and 3aa1fcb67 (private modules).

Note: UNICODE/_UNICODE does not implicitly activate the wide-char mode in ofxml anymore. When this is actively activated by the used by defining WIDE_CHAR_XML_PARSER at compile time, a compiler warning will be printed indicating that cda2dcm will not work.