

DCMTK - Bug #884

Compilation on Solaris with SunPro Studio 12.6 in C++11 mode fails because of std::ios::nocreate

2019-04-30 14:07 - Marco Eichelberg

Status:	Closed	Start date:	2019-04-30
Priority:	Normal	Due date:	
Assignee:	Jan Schlamelcher	% Done:	100%
Category:	Configuration	Estimated time:	0:00 hour
Target version:	3.6.5	Compiler:	SunPro Studio 12.6 in C++11 mode
Module:	ofstd		
Operating System:	Solaris		
Description			
When compiling DCMTK on Solaris with SunPro Studio 12.6 in C++11, compilation fails with the following error message:			
<pre>"ofstd/libsrc/ofcmdln.cc", line 1100: Error: nocreate is not a member of std::ios.</pre>			
std::ios::nocreate is a proprietary extension that should indeed not be present in C++11 mode. However, we have a CMake test that checks whether ios::nocreate exists. Apparently this test is run with different compiler settings and determines that ios::nocreate is available.			

History

#1 - 2019-09-18 10:30 - Marco Eichelberg

- Status changed from New to Closed
- Assignee set to Jan Schlamelcher

Compilation with SunPro Studio 12.5 and 12.6 with C++ 11 and STL works now.
Closed by commits #407302562 (ios::nocreate problem) and #6911984f6 (follow-up issues).

#2 - 2019-09-18 10:30 - Marco Eichelberg

- % Done changed from 0 to 100

#3 - 2019-09-18 10:35 - Jan Schlamelcher

It was a bug in CMake, not in DCMTK: <https://cmake.org/pipermail/cmake-developers/2015-September/026584.html>
For now we are using a workaround in the nightly builds, since the bug is only fixed in a CMake version that is not available on Solaris yet. Commit #6911984f6 had no effect, but will not be rolled back since it is a reasonable enhancement for DCMTK anyway.