DCMTK - Bug #1093

Build error with Visual Studio 2022 and /std:c++20

2023-12-03 12:30 - Marco Eichelberg

Status:	Closed		**Start date:**	2023-12-03
Priority:	Normal		**Due date:**	
Assignee:	Marco Eichelberg		**% Done:**	100%
Category:	Library and Apps		**Estimated time:**	0:00 hour
Target version:	3.7.1+			
Module:	ofstd		**Compiler:**	
Operating System:				

Description

Robert Habrich <Habrich@image-systems.biz> writes:
We are using dcmtk 3.6.7 and were successfully building with Visual Studio 2019 and /std:c++17 so far.
We now wanted to upgrade to Visual Studio 2022 and /std:c++20. However, the build of dcmtk fails with the following compiler error:

```
4>dcmtk\ofstd\libsrc\ofcmdln.cc(1246,77): error C2280: 'std::basic_ostream<char,std::char_traits<c
har>> &std::operator <<<std::char_traits<char>>(std::basic_ostream<char,std::char_traits<char>> &,
wchar_t)': attempting to reference a deleted function
4>C:\Program Files\Microsoft Visual Studio\2022\Enterprise\VC\Tools\MSVC\14.37.32822\include\ostre
am(968,31): message : see declaration of 'std::operator <<'
4>dcmtk\ofstd\libsrc\ofcmdln.cc(1246,77): error C2088: '<<': illegal for class
```

For a fix, the wchar_t (block) needs to be converted to something std::ostream operator<< accepts (e.g.char or OFString).
Some underlying context from an MSVC developer: https://github.com/osquery/osquery/issues/6234

Reported 2023-12-01 by Robert Habrich <Habrich@image-systems.biz>

History

#1 - 2024-04-12 14:59 - Marco Eichelberg

- Status changed from New to Closed

- Assignee set to Marco Eichelberg

- % Done changed from 0 to 100

Closed by commit #08fe28737.