

DCMTK - Feature #679

Current development version does not compile with Intel C/C++ compiler version 16.0.2

2016-02-23 10:25 - Jörg Riesmeier

Status:	New	Start date:	2016-02-23
Priority:	Low	Due date:	
Assignee:	Jan Schlamelcher	% Done:	0%
Category:	Testing	Estimated time:	0:00 hour
Target version:		Compiler:	
Module:	ofstd		
Operating System:	Linux		

Description

Basically, the current git version of the DCMTK does compile with the latest Intel compiler. The only issue is with the "oftuple.h" file that is currently only used by the test source file "ttuple.cc". Here's the compiler output:

```
/home/joergr/Source/dcmtd/include/dcmtd/ofstd/oftuple.h(192): error: incorrect use of va_start
    : tail_type( ( va_start( args.args, args ), &args.args ) )
                  ^
    detected during instantiation of "Oftuple<T0, T1, T2, Oftuple_nil, Oftuple_nil, Oftuple_
nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, OF
tuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_n
il, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, OFt
uple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_ni
l,
    Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil,
Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple
_nil>::Oftuple(Oftuple_param<T0>::type, Oftuple_param<T1>::type, Oftuple_param<T2>::type) [with T0
=int, T1=bool, T2=OFString]" at line 20 of "/home/joergr/Source/dcmtd/tests/ttuple.cc"

/home/joergr/Source/dcmtd/include/dcmtd/ofstd/oftuple.h(193): error: incorrect use of va_arg
    , head( *va_arg( args.args, typename OFadd_pointer<Head>::type ) ) { va_end( args.args ); }
          ^
    detected during instantiation of "Oftuple<T0, T1, T2, Oftuple_nil, Oftuple_nil, Oftuple_
nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, OF
tuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_n
il, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, OFt
uple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_ni
l,
    Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil,
Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple
_nil>::Oftuple(Oftuple_param<T0>::type, Oftuple_param<T1>::type, Oftuple_param<T2>::type) [with T0
=int, T1=bool, T2=OFString]" at line 20 of "/home/joergr/Source/dcmtd/tests/ttuple.cc"

/home/joergr/Source/dcmtd/include/dcmtd/ofstd/oftuple.h(193): error: incorrect use of va_end
    , head( *va_arg( args.args, typename OFadd_pointer<Head>::type ) ) { va_end( args.args ); }
          ^
    detected during instantiation of "Oftuple<T0, T1, T2, Oftuple_nil, Oftuple_nil, Oftuple_
nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, OF
tuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_n
il, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, OFt
uple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_ni
l,
    Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil,
Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple_nil, Oftuple
_nil>::Oftuple(Oftuple_param<T0>::type, Oftuple_param<T1>::type, Oftuple_param<T2>::type) [with T0
=int, T1=bool, T2=OFString]" at line 20 of "/home/joergr/Source/dcmtd/tests/ttuple.cc"

compilation aborted for /home/joergr/Source/dcmtd/tests/ttuple.cc (code 2)
make[2]: *** [ofstd/tests/CMakeFiles/ofstd_tests.dir/ttuple.cc.o] Error 2
make[1]: *** [ofstd/tests/CMakeFiles/ofstd_tests.dir/all] Error 2
```

```
make: *** [all] Error 2
```

Since previous releases of the DCMTK did support the Intel compiler (version 11.1 at that time), this issue should be fixed for the next DCMTK release.

For some reason, the "tuple.cc" file is also missing the standard copyright header...

History

#1 - 2016-02-23 12:15 - Jörg Riesmeier

- *Description updated*

#2 - 2017-03-24 13:01 - Marco Eichelberg

- *Priority changed from Normal to Low*

#3 - 2017-05-22 10:04 - Marco Eichelberg

- *Target version changed from 3.6.2 to 3.6.3*

#4 - 2018-02-05 18:44 - Jan Schlamelcher

- *Target version changed from 3.6.3 to 3.6.6*

#5 - 2020-05-25 13:28 - Michael Onken

- *Target version deleted (3.6.6)*