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Subject: Problems compiling CADConverter on Ubuntu 9.04  
Posted by [Sverre Dørheim](#) on Wed, 24 Jun 2009 15:09:55 GMT  
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Using the steps described in the wiki I get these errors when doing make on the CadConverter:

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```
root@sverre-laptop2:/opt/CadConv/build# make
/usr/bin/cmake -H/opt/CadConv/CadConverterConsole -B/opt/CadConv/build
--check-build-system CMakeFiles/Makefile.cmake 0
/usr/bin/cmake -E cmake_progress_start /opt/CadConv/build/CMakeFiles
/opt/CadConv/build/CMakeFiles/progress.make
make -f CMakeFiles/Makefile2 all
make[1]: Entering directory `/opt/CadConv/build'
make -f CadDDLConverter/CMakeFiles/CADConverter.dir/build.make
CadDDLConverter/CMakeFiles/CADConverter.dir/depend
make[2]: Entering directory `/opt/CadConv/build'
cd /opt/CadConv/build && /usr/bin/cmake -E cmake_depends "Unix Makefiles"
/opt/CadConv/CadConverterConsole /opt/CadConv/CadConverterConsole/CadDDLConverter
/opt/CadConv/build /opt/CadConv/build/CadDDLConverter
/opt/CadConv/build/CadDDLConverter/CMakeFiles/CADConverter.dir/DependInfo.cmake
--color=
make[2]: Leaving directory `/opt/CadConv/build'
make -f CadDDLConverter/CMakeFiles/CADConverter.dir/build.make
CadDDLConverter/CMakeFiles/CADConverter.dir/build
make[2]: Entering directory `/opt/CadConv/build'
/usr/bin/cmake -E cmake_progress_report /opt/CadConv/build/CMakeFiles 1
[ 2%] Building CXX object
CadDDLConverter/CMakeFiles/CADConverter.dir/CadDDLConverter.o
cd /opt/CadConv/build/CadDDLConverter && /usr/bin/c++ -DCADConverter_EXPORTS
-DCSFDB -DNO_CXX_EXCEPTION -DNo_Exception -DHAVE_CONFIG_H
-DHAVE_WOK_CONFIG_H -DLIN -DLININTEL -DHAVE_Iostream -DHAVE_LIMITS -g
-fPIC -I/opt/fairROOT/fairsoft/tools/root/include -I/opt/OpenCASCADES6.3.0/inc
-I/opt/fairROOT/fairsoft/tools/root/lib -I/opt/OpenCASCADES6.3.0/Linux/lib -o
CMakeFiles/CADConverter.dir/CadDDLConverter.o -c
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.cc
In file included from /opt/OpenCASCADES6.3.0/inc/Standard_Macro.hxx:11,
      from /opt/OpenCASCADES6.3.0/inc/Handle_TDF_Data.hxx:26,
      from /opt/OpenCASCADES6.3.0/inc/TDF_Label.hxx:29,
      from /opt/CadConv/CadConverterConsole/CadDDLConverter/CxIObject.hh:16,
      from
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.hh:4,
      from
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.cc:1:
/opt/fairROOT/fairsoft/tools/root/include/config.h:16:2: warning: #warning config.h is
deprecated, replace by RConfigure.h.
In file included from /opt/OpenCASCADES6.3.0/inc/Standard_Address.hxx:21,
      from /opt/OpenCASCADES6.3.0/inc/Standard.hxx:26,
      from /opt/OpenCASCADES6.3.0/inc/Handle_TDF_Data.hxx:29,
      from /opt/OpenCASCADES6.3.0/inc/TDF_Label.hxx:29,
      from /opt/CadConv/CadConverterConsole/CadDDLConverter/CxIObject.hh:16,
```

```

from
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.hh:4,
from
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.cc:1:
/opt/OpenCASCADES6.3.0/inc/Standard_Integer.hxx: In function 'Standard_Integer
IntegerFirst()':
/opt/OpenCASCADES6.3.0/inc/Standard_Integer.hxx:119: error: 'INT_MIN' was not
declared in this scope
/opt/OpenCASCADES6.3.0/inc/Standard_Integer.hxx: In function 'Standard_Integer
IntegerLast()':
/opt/OpenCASCADES6.3.0/inc/Standard_Integer.hxx:125: error: 'INT_MAX' was not
declared in this scope
/opt/OpenCASCADES6.3.0/inc/Standard_Integer.hxx: In function 'Standard_Integer
IntegerSize()':
/opt/OpenCASCADES6.3.0/inc/Standard_Integer.hxx:131: error: 'CHAR_BIT' was not
declared in this scope
In file included from /opt/OpenCASCADES6.3.0/inc/Standard_PrimitiveTypes.hxx:23,
      from /opt/OpenCASCADES6.3.0/inc/Handle_Standard_Transient.hxx:10,
      from /opt/OpenCASCADES6.3.0/inc/Handle_MMgt_TShared.hxx:33,
      from /opt/OpenCASCADES6.3.0/inc/Handle_TDF_Data.hxx:33,
      from /opt/OpenCASCADES6.3.0/inc/TDF_Label.hxx:29,
      from /opt/CadConv/CadConverterConsole/CadDDLConverter/CxlObject.hh:16,
      from
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.hh:4,
      from
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.cc:1:
/opt/OpenCASCADES6.3.0/inc/Standard_Real.hxx: In function 'Standard_Integer
RealSize()':
/opt/OpenCASCADES6.3.0/inc/Standard_Real.hxx:162: error: 'CHAR_BIT' was not
declared in this scope
/opt/OpenCASCADES6.3.0/inc/Standard_Real.hxx: In function 'Standard_Integer
RealToInt(Standard_Real)':
/opt/OpenCASCADES6.3.0/inc/Standard_Real.hxx:283: error: 'INT_MIN' was not
declared in this scope
/opt/OpenCASCADES6.3.0/inc/Standard_Real.hxx:283: error: 'INT_MAX' was not
declared in this scope
In file included from /opt/OpenCASCADES6.3.0/inc/Standard_OStream.hxx:8,
      from /opt/OpenCASCADES6.3.0/inc/Standard_ExtCharacter.hxx:24,
      from /opt/OpenCASCADES6.3.0/inc/Standard_PrimitiveTypes.hxx:29,
      from /opt/OpenCASCADES6.3.0/inc/Handle_Standard_Transient.hxx:10,
      from /opt/OpenCASCADES6.3.0/inc/Handle_MMgt_TShared.hxx:33,
      from /opt/OpenCASCADES6.3.0/inc/Handle_TDF_Data.hxx:33,
      from /opt/OpenCASCADES6.3.0/inc/TDF_Label.hxx:29,
      from /opt/CadConv/CadConverterConsole/CadDDLConverter/CxlObject.hh:16,
      from
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.hh:4,
      from
/opt/CadConv/CadConverterConsole/CadDDLConverter/CadDDLConverter.cc:1:
/opt/OpenCASCADES6.3.0/inc/Standard_Stream.hxx: At global scope:
/opt/OpenCASCADES6.3.0/inc/Standard_Stream.hxx:84: error: 'std::setw' has not been
declared
/opt/OpenCASCADES6.3.0/inc/Standard_Stream.hxx:85: error: 'std::setprecision' has

```

not been declared

```
make[2]: *** [CadDDLConverter/CMakeFiles/CADConverter.dir/CadDDLConverter.o] Error 1
```

```
make[2]: Leaving directory `/opt/CadConv/build'
```

```
make[1]: *** [CadDDLConverter/CMakeFiles/CADConverter.dir/all] Error 2
```

```
make[1]: Leaving directory `/opt/CadConv/build'
```

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

All variables has been set as explained in the wiki. CMake runs without errors. The errors points to some variables not beeing declared which would imply that somehow an include is missing.

I'm using OpenCASCADES 6.3 and CadConverter2.2\_OCC6.3.tar.gz

Also tried the tip from Simone Bianco in the wiki by changing:

```
{CadConverterConsole}/CMakeLists.txt --> CadConverterFixed/CMakeLists.txt
```

```
{CadConverterConsole}/CadDDLConverter/CMakeLists.txt -->
```

```
CadConverterFixed/CadDDLConverter/CMakeLists.txt
```

```
{CadConverterConsole}/cmake/Modules/FindOpenCascade.cmake -->
```

```
CadConverterFixed/cmake/Modules/FindOpenCascade.cmake
```

Does anybody have a clue how this might be fixed?

Best regards and thanks in advance for all your efforts,  
Sverre

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