

## DCMTK - Bug #1205

### Building of a single shared library fails

2026-05-04 14:21 - Harald Roesen

<b>Status:</b> New	<b>Start date:</b> 2026-05-04
<b>Priority:</b> Low	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b> Configuration	<b>Estimated time:</b> 0:00 hour
<b>Target version:</b> 3.7.2+	<b>Compiler:</b>
<b>Module:</b>	
<b>Operating System:</b>	

**Description**

As stated in the current INSTALL file, it should be possible to build DCMTK as a single shared library:

Additionally, it is possible to produce a single shared library for the whole toolkit. This mode is controlled by the "BUILD\_SINGLE\_SHARED\_LIBRARY" option.

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However both commands

```
cmake -S . -B ../build -DBUILD_SHARED_LIBS:BOOL=True -DBUILD_SINGLE_SHARED_LIBRARY:BOOL=True
cmake -S. -B ../build -DBUILD_SINGLE_SHARED_LIBRARY:BOOL=True
```

lead to the following error:

CMake Error at dcmdata/tests/CMakeLists.txt:42 (target\_include\_directories):  
Cannot specify include directories for target "dcmdata\_tests" which is not built by this project.

CMake Error at CMake/dcmTkAfterModules.cmake:14 (target\_link\_libraries):  
The INTERFACE, PUBLIC or PRIVATE option must appear as the second argument, just after the target name.

Call Stack (most recent call first):  
CMakeLists.txt:101 (include)

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CMake versions used: 3.22.1; 4.2.2