

## DCMTK - Bug #859

### OFVector unit test fails on VS2017 in DEBUG mode.

2018-11-30 15:37 - Marco Eichelberg

<b>Status:</b>	Closed	<b>Start date:</b>	2018-11-30
<b>Priority:</b>	Normal	<b>Due date:</b>	
<b>Assignee:</b>	Jan Schlamelcher	<b>% Done:</b>	100%
<b>Category:</b>	Library	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>		<b>Compiler:</b>	
<b>Module:</b>	ofstd		
<b>Operating System:</b>			
<b>Description</b>			
<p>The first test in ofstd/tests/tvec.cc fails when STL vectors are enabled and the compiler is VS2017 in DEBUG mode. [The reason] is that the test case code is non-compliant with the C++ standard in a subtle way: For some reason it is defined that a past-the-end iterator (such as the result from the first begin() call) is invalidated by push_back even if no reallocation occurs. Don't ask me why, but apparently Microsoft is taking this restriction seriously and actually checks it in their iterator-checking mechanism which is active in Debug mode. So it is not the actual OFCHECK macro that fails, but the operator== triggers an assert inside the Microsoft runtime as the 'it' iterator is considered invalid.</p> <p>Reported 2018-11-29 by Bengt Gustafsson &lt;<a href="mailto:Bengt.Gustafsson@contextvision.se">Bengt.Gustafsson@contextvision.se</a>&gt;.</p>			

#### History

##### #1 - 2018-12-18 10:33 - Jan Schlamelcher

- Status changed from New to Closed
- Assignee set to Jan Schlamelcher
- % Done changed from 0 to 100

Closed by [commit #42b5d94f3](#)