

DCMTK - Patch #507

Diverse Bugfixes von Per Inge Mathisen

2013-03-05 09:42 - Marco Eichelberg

Status:	Closed	Start date:	2013-03-05
Priority:	High	Due date:	
Assignee:		% Done:	90%
Category:	Library	Estimated time:	0:00 hour
Target version:	3.6.2	Compiler:	
Module:			
Operating System:			
Description			
<p>The attached patch fixes various issues found by running latest version of cppcheck over dcm tk git master. Note that I have not tested these changes, apart from running them through you unit tests</p> <p>Concerning the last change - it is apparently a very bad idea to throw an exception from a destructor, and cppcheck considers it an error.</p>			
<p>More fixes after running static analysis on your software.</p> <p>ofstringoffbyone.diff - fixes a few off-by-one errors in your fallback implementation of std::string. After skimming through that code, I think I would recommend that you retire it and rely on working std::string implementations instead.</p> <p>misc.diff - various places where pointers could be dereferenced while NULL</p>			

History

#1 - 2013-03-05 09:49 - Marco Eichelberg

- Tracker changed from Bug to Patch

#2 - 2013-03-05 09:53 - Jörg Riesmeier

- Category set to Library

- Target version set to 3.6.2

#3 - 2013-03-05 09:53 - Jörg Riesmeier

- Priority changed from Normal to High

#4 - 2013-03-08 18:50 - Jörg Riesmeier

- Assignee set to Uli Schlachter

#5 - 2013-03-11 12:16 - Uli Schlachter

- Status changed from New to Feedback

- Assignee deleted (Uli Schlachter)

- % Done changed from 0 to 90

ofstringoffbyone.diff: NAK, reserve(n) makes sure there is an array of size at least (n+1), so this already makes sure that there is space for the EOS mark (and AFAIR this is the behavior that the C++ standard requires).

misc.diff: I don't like the "else {" > "else if (last) {" change. This can never make a difference, because "last" and "handle->findRequestList" are both set in the same line. If this ever happens (remember, it cannot happen), a crash is IMHO better than silently forgetting (and leaking) parts of the request and generating a wrong reply. No one wants to debug that.

The "throw exception from destructor"-problem is reported to log4cplus.

All the other changes are part of commit a5fd28ccd1f067676abd6cebb70cac911709b0.

Someone should write a "thank you" mail with the above comments and a link to the commit in gitweb to Per...

#6 - 2013-03-11 14:56 - Uli Schlachter

Half of the change to oflog was applied to log4cplus: <https://sourceforge.net/p/log4cplus/bugs/162/>

#7 - 2013-07-04 17:56 - Michael Onken

Wrote that thank you email :)

#8 - 2013-07-04 17:57 - Michael Onken

- Status changed from Feedback to Closed

Files			
cppcheckfixes.diff	4.88 KB	2013-03-05	Marco Eichelberg
misc.diff	1.8 KB	2013-03-05	Marco Eichelberg
ofstringoffbyone.diff	1.07 KB	2013-03-05	Marco Eichelberg