

ctools - Bug #505

ctools static code analysis errors and warnings

09/19/2012 10:29 PM - Knödlseeder Jürgen

Status:	Closed	Start date:	09/19/2012
Priority:	Normal	Due date:	
Assigned To:	Knödlseeder Jürgen	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:			

Description

Running Eclipse C++ code analysis on ctools gives the four errors and three warnings shown below.

The errors are again Eclipse CODAN bugs:

https://bugs.eclipse.org/bugs/show_bug.cgi?id=355767#c4

I think the warnings are irrelevant in our case.

Nevertheless, why not fix them, i.e. always catch by reference?

https://bugs.eclipse.org/bugs/show_bug.cgi?id=360101

Overall the Eclipse static code analysis is not very powerful, but it's still useful to catch all those little typos and argument list order and missing includes and ... while coding without having to run a build.

Description Resource Path Location Type

'toupper' is ambiguous '

Candidates are:

```
std::basic_string<char,std::char_traits<char>,std::allocator<char>> toupper(const  
std::basic_string<char,std::char_traits<char>,std::allocator<char>> &)
```

```
' ctlike.cpp /ctools/src/ctlike line 354 Semantic Error
```

```
Catching by reference is recommended 'GException::fits_open_error' ctlike.cpp /ctools/src/ctlike line 370 Code Analysis  
Problem
```

'toupper' is ambiguous '

Candidates are:

```
std::basic_string<char,std::char_traits<char>,std::allocator<char>> toupper(const  
std::basic_string<char,std::char_traits<char>,std::allocator<char>> &)
```

```
' ctlike.cpp /ctools/src/ctlike line 297 Semantic Error
```

'toupper' is ambiguous '

Candidates are:

```
std::basic_string<char,std::char_traits<char>,std::allocator<char>> toupper(const  
std::basic_string<char,std::char_traits<char>,std::allocator<char>> &)
```

```
' ctskymap.cpp /ctools/src/ctskymap line 428 Semantic Error
```

```
Catching by reference is recommended 'GException::fits_open_error' ctselect.cpp /ctools/src/ctselect line 417 Code Analysis  
Problem
```

'toupper' is ambiguous '

Candidates are:

```
std::basic_string<char,std::char_traits<char>,std::allocator<char>> toupper(const  
std::basic_string<char,std::char_traits<char>,std::allocator<char>> &)
```

```
' ctbin.cpp /ctools/src/ctbin line 510 Semantic Error
```

```
Catching by reference is recommended 'GException::fits_open_error' ctbin.cpp /ctools/src/ctbin line 412 Code Analysis  
Problem
```

History

#1 - 09/19/2012 11:16 PM - Knödlseeder Jürgen

- Status changed from New to Feedback

- % Done changed from 0 to 100

Indeed, I do not understand the toupper warnings.

I agree that catching by reference is the right thing to do. Thanks for catching these "bugs". I corrected them.

#2 - 02/07/2014 08:18 AM - Knödseder Jürgen

- *Status changed from Feedback to Closed*