

ArtDaq RunControl GUI - Necessary Maintenance #25310

Static code check warnings

12/11/2020 02:02 PM - Iker de Icaza Astiz

Status:	Closed	Start date:	12/11/2020
Priority:	Low	Due date:	
Assignee:	Iker de Icaza Astiz	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
<p>I'm running cppcheck on the project files. These are the warnings that I get.</p> <pre>cppcheck --enable=all --inconclusive --library=posix *.cpp *.hpp Checking daqinterfacestate.cpp ... daqinterfacestate.cpp:246:11: style: Redundant initialization for 'palette'. The initialized value is overwritten before it is read. [redundantInitialization] palette = ui->lcdRunNumber->palette(); ^ daqinterfacestate.cpp:245:20: note: palette is initialized QPalette palette = ui->lcdPartitionNumber->palette(); ^ daqinterfacestate.cpp:246:11: note: palette is overwritten palette = ui->lcdRunNumber->palette(); ^ daqinterfacestate.cpp:264:11: style: Redundant initialization for 'palette'. The initialized value is overwritten before it is read. [redundantInitialization] palette = ui->lcdRunNumber->palette(); ^ daqinterfacestate.cpp:263:20: note: palette is initialized QPalette palette = ui->lcdPartitionNumber->palette(); ^ daqinterfacestate.cpp:264:11: note: palette is overwritten palette = ui->lcdRunNumber->palette(); ^ daqinterfacestate.cpp:205:43: style:inconclusive: Function 'setRun_number' argument 1 names differ ent: declaration 'value' definition 'run_number'. [funcArgNamesDifferent] void daqInterfaceState::setRun_number(int run_number) ^ daqinterfacestate.hpp:44:26: note: Function 'setRun_number' argument 1 names different: declaratio n 'value' definition 'run_number'. void setRun_number(int value); ^ daqinterfacestate.cpp:205:43: note: Function 'setRun_number' argument 1 names different: declarati on 'value' definition 'run_number'. void daqInterfaceState::setRun_number(int run_number) ^ 1/15 files checked 8% done Checking daqinterfacestate.hpp ... 2/15 files checked 9% done Checking db_dialog.cpp ... 3/15 files checked 14% done Checking db_dialog.hpp ... 4/15 files checked 15% done Checking env_vars.hpp ... 5/15 files checked 17% done Checking gui_utility_functions.hpp ... 6/15 files checked 17% done Checking main.cpp ... 7/15 files checked 18% done Checking mainwindow.cpp ... mainwindow.cpp:1077:3: style: Statements following return, break, continue, goto or throw will nev er be executed. [unreachableCode]</pre>			

```

qDebug() << "Ending" << Q_FUNC_INFO;
^
mainwindow.cpp:1091:3: style: Statements following return, break, continue, goto or throw will never be executed. [unreachableCode]
qDebug() << "Ending" << Q_FUNC_INFO;
^
mainwindow.cpp:725:8: style: Unused variable: some_non_used_var2 [unusedVariable]
bool some_non_used_var2;
^
8/15 files checked 76% done
Checking mainwindow.hpp ...
9/15 files checked 81% done
Checking menuoptionsdialog.cpp ...
10/15 files checked 84% done
Checking menuoptionsdialog.hpp ...
11/15 files checked 85% done
Checking messagehandler.cpp ...
12/15 files checked 86% done
Checking messagehandler.hpp ...
13/15 files checked 87% done
Checking xmlrpc_gui_comm.cpp ...
xmlrpc_gui_comm.cpp:6:3: performance: Variable 'serverUrl' is assigned in constructor body. Consider performing initialization in initialization list. [useInitializationList]
serverUrl = "http://localhost:" + env_vars::rpc_port + "/RPC2";
^
14/15 files checked 98% done
Checking xmlrpc_gui_comm.hpp ...
15/15 files checked 100% done
mainwindow.cpp:170:0: style: The function 'closeEvent' is never used. [unusedFunction]
^
mainwindow.cpp:1073:0: style: The function 'getDBConfigurationFHICL_dir' is never used. [unusedFunction]
^
mainwindow.cpp:1087:0: style: The function 'getQProcessEnvironment' is never used. [unusedFunction]
^
nofile:0:0: information: Cppcheck cannot find all the include files (use --check-config for details) [missingInclude]

```

Related issues:

Blocks ArtDaq RunControl GUI - Milestone #25316: v1_02_00

Resolved

12/14/2020

History

#1 - 12/11/2020 02:11 PM - Iker de Icaza Astiz

- Assignee set to Iker de Icaza Astiz

Let's use branch maintenance/cppcheck to tackle these.

#2 - 12/14/2020 09:38 AM - Iker de Icaza Astiz

- Blocked by Milestone #25316: v1_02_00 added

#3 - 12/14/2020 09:39 AM - Iker de Icaza Astiz

- Blocked by deleted (Milestone #25316: v1_02_00)

#4 - 12/14/2020 09:40 AM - Iker de Icaza Astiz

- Blocks Milestone #25316: v1_02_00 added

#5 - 12/14/2020 07:13 PM - Iker de Icaza Astiz

- % Done changed from 0 to 100

- Status changed from New to Resolved

Branch feature/refactoring handles this issue, amongst others.

I've merged it now, so marking this as solved.

#6 - 01/08/2021 11:18 AM - Iker de Icaza Astiz

- Status changed from Resolved to Closed

Included in latest release.

Closing.