

gr-osmosdr - Bug #3734

Cannot compile gr-osmoccom

12/16/2018 12:22 AM - bwah

Status:	New	Start date:	12/16/2018
Priority:	High	Due date:	
Assignee:		% Done:	0%
Category:			
Target version:			
Description			
Linux comp 4.14.0-41-generic #42~16.04.1-Ubuntu SMP Mon Nov 19 13:02:27 UTC 2018 x86_64 x86_64 x86_64 GNU/Linux			
As of commit 4d83c6067f059b0c5015c3f59f8117bbd361e877:			
<pre>user@comp:~/code/gr-osmosdr/build\$ make Scanning dependencies of target gnuradio-osmosdr [2%] Building CXX object lib/CMakeFiles/gnuradio-osmosdr.dir/source_impl.cc.o In file included from /usr/local/include/gnuradio/rpcregisterhelpers.h:30:0, from /usr/local/include/gnuradio/basic_block.h:42, from /usr/local/include/gnuradio/block.h:28, from /usr/local/include/gnuradio/sync_block.h:27, from /usr/local/include/gnuradio/blocks/null_source.h:27, from /home/user/code/gr-osmosdr/lib/source_impl.cc:31: /usr/local/include/gnuradio/rpcmanager.h:57:15: error: 'unique_ptr' in namespace 'std' does not name a template type static std::unique_ptr<rpcserver_booter_base> boot; ^ /usr/local/include/gnuradio/rpcmanager.h:58:15: error: 'unique_ptr' in namespace 'std' does not name a template type static std::unique_ptr<rpcserver_booter_aggregator> aggregator; ^ In file included from /usr/local/include/gnuradio/block.h:28:0, from /usr/local/include/gnuradio/sync_block.h:27, from /usr/local/include/gnuradio/blocks/null_source.h:27, from /home/user/code/gr-osmosdr/lib/source_impl.cc:31: /usr/local/include/gnuradio/basic_block.h: In member function 'std::__cxx11::string gr::basic_block::identifier() const': /usr/local/include/gnuradio/basic_block.h:156:66: error: 'to_string' is not a member of 'std' std::string identifier() const { return this->name() + "(" + std::to_string ^ lib/CMakeFiles/gnuradio-osmosdr.dir/build.make:62: recipe for target 'lib/CMakeFiles/gnuradio-osmosdr.dir/source_impl.cc.o' failed make[2]: *** [lib/CMakeFiles/gnuradio-osmosdr.dir/source_impl.cc.o] Error 1 CMakeFiles/Makefile2:135: recipe for target 'lib/CMakeFiles/gnuradio-osmosdr.dir/all' failed make[1]: *** [lib/CMakeFiles/gnuradio-osmosdr.dir/all] Error 2 Makefile:138: recipe for target 'all' failed make: *** [all] Error 2 paul@macbook:~/Documents/gnuradio\$ paul@macbook:~/Documents/gnuradio\$ paul@macbook:~/Documents/gnuradio\$ cat osmoccom_err.txt user@macbook:~/code/gr-osmosdr/build\$ make Scanning dependencies of target gnuradio-osmosdr [2%] Building CXX object lib/CMakeFiles/gnuradio-osmosdr.dir/source_impl.cc.o In file included from /usr/local/include/gnuradio/rpcregisterhelpers.h:30:0, from /usr/local/include/gnuradio/basic_block.h:42, from /usr/local/include/gnuradio/block.h:28, from /usr/local/include/gnuradio/sync_block.h:27, from /usr/local/include/gnuradio/blocks/null_source.h:27, from /home/user/code/gr-osmosdr/lib/source_impl.cc:31: /usr/local/include/gnuradio/rpcmanager.h:57:15: error: 'unique_ptr' in namespace 'std' does not name a template type</pre>			

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static std::unique_ptr<rpcserver_booter_base> boot;
      ^
/usr/local/include/gnuradio/rpcmanager.h:58:15: error: 'unique_ptr' in namespace 'std' does not name a template type
static std::unique_ptr<rpcserver_booter_aggregator> aggregator;
      ^
In file included from /usr/local/include/gnuradio/block.h:28:0,
                 from /usr/local/include/gnuradio/sync_block.h:27,
                 from /usr/local/include/gnuradio/blocks/null_source.h:27,
                 from /home/user/code/gr-osmosdr/lib/source_impl.cc:31:
/usr/local/include/gnuradio/basic_block.h: In member function 'std::__cxx11::string gr::basic_block::identifier() const':
/usr/local/include/gnuradio/basic_block.h:156:66: error: 'to_string' is not a member of 'std'
    std::string identifier() const { return this->name() + "(" + std::to_string
      ^
lib/CMakeFiles/gnuradio-osmosdr.dir/build.make:62: recipe for target 'lib/CMakeFiles/gnuradio-osmosdr.dir/source_impl.cc.o' failed
make[2]: *** [lib/CMakeFiles/gnuradio-osmosdr.dir/source_impl.cc.o] Error 1
CMakeFiles/Makefile2:135: recipe for target 'lib/CMakeFiles/gnuradio-osmosdr.dir/all' failed
make[1]: *** [lib/CMakeFiles/gnuradio-osmosdr.dir/all] Error 2
Makefile:138: recipe for target 'all' failed
make: *** [all] Error 2

```

The compiler doesn't believe "to_string" is a member of stdlib. The CMakeLists.txt appears to be missing a specification for std=c++11, as per this error: <https://stackoverflow.com/questions/19122574/to-string-isnt-a-member-of-std/19122592>

I am not sure how to fix this.