

OP25 - Bug #3776

Build fail using gcc version 7.3.0 Ubuntu 18.04.1 LTS

02/01/2019 09:12 PM - xexzy

Status:	New	Start date:	02/01/2019
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:			
Target version:			
Resolution:		Spec Reference:	
Description			
<p>I recently upgraded from Ubuntu 16.04 lts to 18.04 lts. Before upgrading I was able to install op25 but after upgrading I am unable to.</p> <p>The version of gcc I have is gcc version 7.3.0</p> <p>When I attempt to build and install op25 it fails around 62% of the way through. The last error and warning displayed is as follows: /home/user/sdr/src/op25/op25/gr-op25_repeater/lib/p25_frame_assembler_impl.cc: In member function 'void gr::op25_repeater::p25_frame_assembler_impl::p25p2_queue_msg(int)': /home/user/sdr/src/op25/op25/gr-op25_repeater/lib/p25_frame_assembler_impl.cc:42:41: error: narrowing conversion of '255' from 'int' to 'char' inside { } [-Wnarrowing] static const char wbuf² = {0xff, 0xff}; // dummy NAC ^ /home/user/sdr/src/op25/op25/gr-op25_repeater/lib/p25_frame_assembler_impl.cc:42:41: error: narrowing conversion of '255' from 'int' to 'char' inside { } [-Wnarrowing] op25/gr-op25_repeater/lib/CMakeFiles/gnuradio-op25_repeater.dir/build.make:206: recipe for target 'op25/gr-op25_repeater/lib/CMakeFiles/gnuradio-op25_repeater.dir/p25_frame_assembler_impl.cc.o' failed make²: * [op25/gr-op25_repeater/lib/CMakeFiles/gnuradio-op25_repeater.dir/p25_frame_assembler_impl.cc.o] Error 1 CMakeFiles/Makefile2:682: recipe for target 'op25/gr-op25_repeater/lib/CMakeFiles/gnuradio-op25_repeater.dir/all' failed make¹: [op25/gr-op25_repeater/lib/CMakeFiles/gnuradio-op25_repeater.dir/all] Error 2 Makefile:129: recipe for target 'all' failed make: ** [all] Error 2</p> <p>Attached is the full output when I attempt to build the project.</p>			

History

#1 - 06/22/2019 02:09 AM - higinbotham@hotmail.com

I am not a programmer. This is only my observations only. William Higinbotham

I notice that the #include in ysf_tx_sb_impl.cc

```
#include <gnuradio/io_signature.h>
```

```
#include "mbelib.h"
```

```
#include "p25p2_vf.h"
```

```
#include "ysf_tx_sb_impl.h"
```

```
#include "ysf_const.h"
```

```
#include <op25_imbe_frame.h>
```

I personally feel that op25_imbe_frame.h may need to be in quotes??

```
higinbotham@OS2BORG:~$ locate op25_imbe_frame.h
```

```
/home/higinbotham/op25-master/op25/gr-op25/lib/op25_imbe_frame.h
```

```
/home/higinbotham/op25-master/op25/gr-op25_repeater/lib/op25_imbe_frame.h
```

```
higinbotham@OS2BORG:~$ locate io_signature.h
```

```
/usr/include/gnuradio/io_signature.h
```

```
higinbotham@OS2BORG:~$ locate ysf_const.h
```

```
/home/higinbotham/op25-master/op25/gr-op25_repeater/lib/ysf_const.h
```

Reason:

"filename.cpp" checks both current directory and the directory where libraries are placed. Whereas <filename.cpp> checks only the directory where the required libraries are placed

#2 - 07/05/2019 07:12 PM - xexzy

- File op25Fix.png added

- File op25-successfullInstall.png added

This can be fixed by adding `set(CMAKE_CXX_FLAGS "${CMAKE_CXX_FLAGS} -Wno-narrowing")` to the `gr-op25/op25/gr-op25_repeater/CMakeLists.txt`*

Files

buildFailed.txt	26.9 KB	02/01/2019	xexzy
op25Fix.png	94.9 KB	07/05/2019	xexzy
op25-successfullInstall.png	113 KB	07/05/2019	xexzy