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Nomenclatur

This is how a terminal command looks like

This is how a C++ command looks like

This is how a Python command looks like

This is how a gdb command looks like

This is how a latex command looks like

This is how a link looks like

This is how a xml property like

0.1 example bug

Description of 1 : desription

Solution:

solution Link: [<optional>](#)

1 Cpp Bugs

1.1 Eigen/Core not found

Description of 2 : Include does not work since it is in subdirectory (eg. Eigen/Core vs. eigen3/Eigen/Core)

Solution:

<http://stackoverflow.com/questions/23284473/fatal-error-eigen-dense-no-such-file-or-directory>
stackoverflow

#include <Eigen/Core> doesn't work but #include <eigen3/Eigen/Core> works.

Create symlink:

```
cd /usr/include
```

```
sudo ln -sf eigen3/Eigen Eigen
```

Link: <optional>

2 GIT Bugs

3 Java Bugs

4 Matlab Bugs

5 Simulink/DSpace Bugs

6 Octave Bugs

7 Python Bugs

8 ROS Bugs

8.1 `QInotifyFileSystemWatcherEngine::addPaths: inotify_add_watch failed: No space left on device`

Description of 3 : Error message is due to using up all inotify watches.

Solution:

If `sysctl fs.inotify.max_user_watches` returns 8192

Then type: `sudo sysctl fs.inotify.max_user_watches=65536` .

Link: [link](#)

8.2 `genmsg.msg_loader.MsgNotFound: Cannot locate message [Header]: unknown package [std_msgs] on search path`

Description of 4 : .

Solution: Problem with ROSJava messages and rosbag ; Remove files or republish from CPP-Node.

Apparently there is a bug in ROSJava (eg. when using an android node that publishes sensor messages) in combination with rosbag. There are two (poor) workarounds. One is to launch the bagfile and subscribe to only the topic from CPP nodes. Another is to write an efficient CPP-subscriber and publisher that receives topics from Java node and republishes them.

Link: [link](#)

8.3 CMake Error: The current CMakeCache.txt directory ...

Description of 5 : .

Solution: **CMake Error: The current CMakeCache.txt directory /home/vz2mtn/Desktop/buffer/catkin_ws/build/CMakeCache.txt is different than the directory /home/vz2mtn/catkin_ws/build where CMakeCache.txt was created.**

Error occurred after copying a catkin project to another location and recompiling it. Solved by deleting /build and /devel folder and recompiling (catkin_make).

Link:

8.3.1 fatal error: `opencv2/core.hpp`: No such file or directory

Description of 6 : .

Solution: When building with `mrt catkin build` , this helped:

```
sudo find / -name 'core.hpp'
```

If `core.hpp` is in folder `'opencv2/core/core.hpp'` then make sure to include with `#include <opencv2/core/core.hpp>`.

Link: <http://stackoverflow.com/questions/20901919/error-opencv2-core-core-c-h-no-such-file-or-dire>
