

## 연희직업전문학교\_robotics

<https://cafe.naver.com/yhrobotics>

카페정보

나의활동

메니저

배진호

since 2021.07.12.

카페소개

임새1단계

26

초대하기

즐거찾는 멤버

5명

게시판 구독수

5회

우리카페앱 수

0회

주제

컴퓨터/통신 > 소프트웨어

카페 글쓰기

카페 채팅

즐거찾는 게시판

전체글보기

4,957

수료생\_커뮤니티

라이다3기

라이다4기

자유게시판

최근 댓글 · 답글

- 22\_19일차\_진행사항\_SEE...
- 22\_19일차\_진행사항\_해보...
- 22\_19일차\_진행사항\_답글\_...
- 22\_19일차\_진행사항\_답글\_...
- 22\_19일차\_진행사항\_해보...

이전 | 다음

## 카페탈퇴하기



수정 삭제

다음글      목록

라이다4기

22\_19일차\_진행사항\_SEED\_김윤희\_오후



일반멤버

2022.08.19. 17:21 조회 1

댓글 0 URL 복사

21\_19일차\_목표 : Kobuki - 라즈베리파이 연동 및 원격 제어

## 1. 라즈베리파이에 kobuki 패키지 설치 및 테스트

apt-get으로 패키지 확인해보니 없었고, 남은 방법은 릴리즈된 패키지를 받아서 설치하는 방법이라 진행

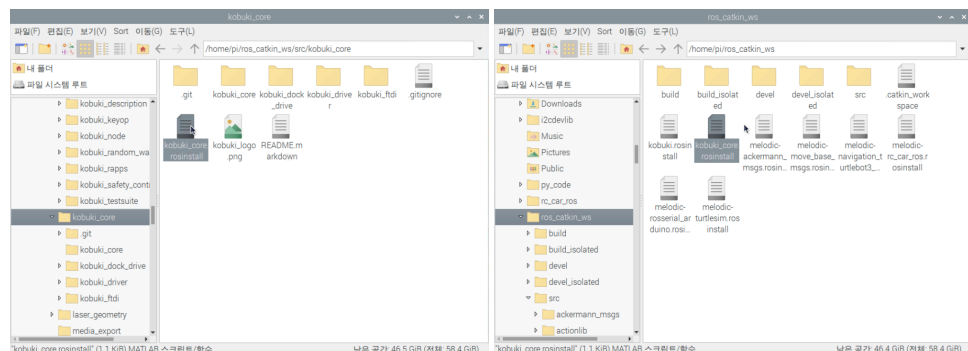
```
pi@raspberrypi:~/ros_catkin_ws $ rosinstall_generator kobuki_core --rostdistro melodic --deps --wet-only --tar --wstool melodic-kobuki_core.rosinstall
pi@raspberrypi:~/ros_catkin_ws $ wstool merge -t src melodic-kobuki_core.rosinstall
ERROR in config: Managed Element paths overlap: {'git': {'local-name': 'kobuki_core', 'version': 'melodic', 'uri': 'https://github.com/yujinrobot/kobuki_core.git'}, {'tar': {'local-name': 'kobuki_core/kobuki_core', 'version': 'kobuki_core-release-release-melodic-kobuki_core-0.7.12-1', 'uri': 'https://github.com/yujinrobot-release/kobuki_core-release/archive/release/melodic/kobuki_core/0.7.12-1.tar.gz'}}
```

패키지를 못받았다...

git으로 kobuki와 kobuki\_core를 받아온다.

경로는 `ros catkin ws/src/` 에다 받는다.

먼저 kobuki\_core 먼저 패키지를 설치하는데 해당 패키지 안 .rosinstall 파일을 복사해서 ros\_catkin\_ws에 붙여넣는다.



```
pi@raspberrypi:~/ros_catkin_ws $ wstool merge -t src kobuki_core.rosinstall

  Change details of element (Use --merge-keep or --merge-replace to change):
catkin, cmake_modules, kobuki_core

  Add new elements:
ecl_core, ecl_lite, ecl_navigation, ecl_tool, sophus

Continue: (y)es, (n)o, (v)erbosity, (a)dvanced options: y
Config changed, maybe you need run wstool update to update SCM entries
```

```

update complete.
pi@raspberrypi:~/ros_catkin_ws $ wstool update -t src
Prepare updating https://github.com/ros/catkin.git (version kinetic-devel) to /home/pi/ros_catkin_ws/src/catkin
Failed to detect git presence at /home/pi/ros_catkin_ws/src/catkin.
(d)delete and replace, (a)bort, (b)ackup and replace, (s)kip: s
Skipping install of catkin because: Failed to detect git presence at /home/pi/ros_catkin_ws/src/catkin.
Prepare updating https://github.com/ros/cmake_modules.git (version 0.4-devel) to /home/pi/ros_catkin_ws/src/cmake_modules
Failed to detect git presence at /home/pi/ros_catkin_ws/src/cmake_modules.
(d)delete and replace, (a)bort, (b)ackup and replace, (s)kip: s

```

그리고나서 해당 패키지를 rosinstall로 workspace를 업데이트한다.

완료가 되면 같이 받아온 kobuki도 같은 방법으로 진행한다.

```

pi@raspberrypi:~/ros_catkin_ws $ wstool merge -t src kobuki.rosinstall
Performing actions:

  Add new elements:
    capabilities, kobuki, kobuki_core, kobuki_msgs, rocon_app_platform, rocon_msgs, rocon_tools, std_capabilities, yocs_msgs, yujin_ocs

Config changed, maybe you need run wstool update to update SCM entries.
Overwriting /home/pi/ros_catkin_ws/src/.rosinstall

update complete.
pi@raspberrypi:~/ros_catkin_ws $ wstool update -t src
[ackermann_msgs] Updating /home/pi/ros_catkin_ws/src/ackermann_msgs
[ackermann_msgs] Done.
[actionlib] Updating /home/pi/ros_catkin_ws/src/actionlib
[actionlib] Done.
[angles] Updating /home/pi/ros_catkin_ws/src/angles
[angles] Done.
[bond_core/bond] Updating /home/pi/ros_catkin_ws/src/bond_core/bond
[bond_core/bond] Done.
[bond_core/bond_core] Updating /home/pi/ros_catkin_ws/src/bond_core/bond_core
[bond_core/bond_core] Done.
[bond_core/bondcpp] Updating /home/pi/ros_catkin_ws/src/bond_core/bondcpp
[bond_core/bondcpp] Done.

```

```

[kobuki] Updating /home/pi/ros_catkin_ws/src/kobuki
[kobuki] Done.
[kobuki_core] Updating /home/pi/ros_catkin_ws/src/kobuki_core
[kobuki_core] Done.
[kobuki_msgs] Fetching https://github.com/yujinrobot/kobuki_msgs.git (version melodic) to /home/pi/ros_catkin_ws/src/kobuki_msgs
'/home/pi/ros_catkin_ws/src/kobuki_msgs'에 복제합니다...
remote: Enumerating objects: 259, done.
remote: Total 259 (delta 0), reused 0 (delta 0), pack-reused 259
오브젝트를 받는 중: 100% (259/259), 34.04 KiB | 1.89 MiB/s, 완료.
델타를 알아내는 중: 100% (141/141), 완료.

```

```

[yujin_ocs] Fetching https://github.com/yujinrobot/yujin_ocs.git (version release/0.8-melodic) to /home/pi/ros_catkin_ws/src/yujin_ocs
'/home/pi/ros_catkin_ws/src/yujin_ocs'에 복제합니다...
remote: Enumerating objects: 5156, done.
remote: Total 5156 (delta 0), reused 0 (delta 0), pack-reused 5156
오브젝트를 받는 중: 100% (5156/5156), 3.94 MiB | 4.72 MiB/s, 완료.
델타를 알아내는 중: 100% (3196/3196), 완료.
[yujin_ocs] Done.

```

```

pi@raspberrypi:~/ros_catkin_ws $ rosdep install --from-paths src --ignore-src --rosdistro melodic -y -r --os=debian:buster
WARNING: Package "sophus" does not follow the version conventions. It should not contain leading zeros (unless the number is 0).

ERROR: Rosdep experienced an error: Multiple packages found with the same name "ecl_mobile_robot":
- ecl_core/ecl_mobile_robot
- ecl_navigation/ecl_mobile_robot
Please go to the rosdep page [1] and file a bug report with the stack trace below.
[1] : http://www.ros.org/wiki/rosdep

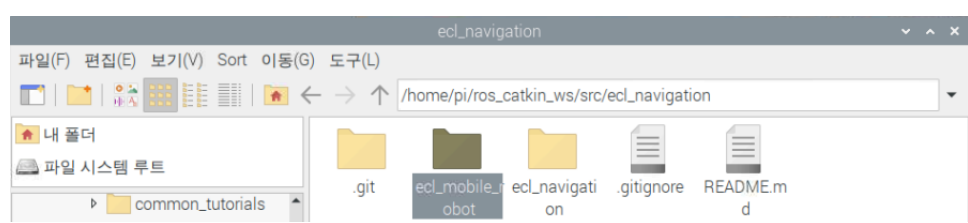
rosdep version: 0.22.1

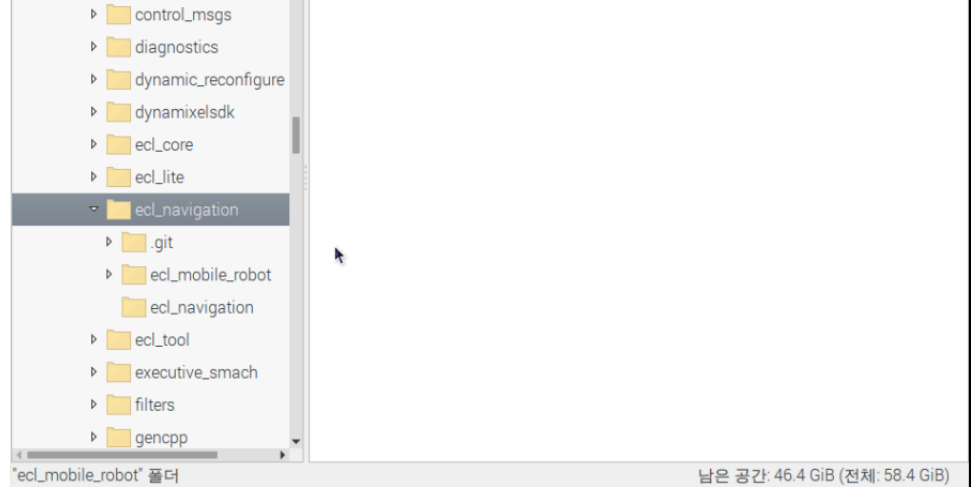
Traceback (most recent call last):
  File "/usr/lib/python2.7/dist-packages/rosdep2/main.py", line 146, in rosdep_main
    exit_code = _rosdep_main(args)
  File "/usr/lib/python2.7/dist-packages/rosdep2/main.py", line 446, in _rosdep_main
    return _package_args_handler(command, parser, options, args)
  File "/usr/lib/python2.7/dist-packages/rosdep2/main.py", line 501, in _package_args_handler

```

- rosdep 명령 실행 도중에 에러 발생

- 패키지 중복 문제






- ecl\_navigation/ecl\_mobile\_robot을 삭제

다시 실행하니 잘 진행된다.

```
pi@raspberrypi:~/ros_catkin_ws $ rosdep install --from-paths src --ignore-src -
--rosdistro melodic -y -r --os=debian:buster
ERROR: the following packages/stacks could not have their rosdep keys resolved
to system dependencies:
ecl_statistics: Cannot locate rosdep definition for [ament_lint_common]
ecl_devices: Cannot locate rosdep definition for [ament_lint_common]
ecl_formatters: Cannot locate rosdep definition for [ament_cmake_ros]
ecl_converters_lite: Cannot locate rosdep definition for [ament_lint_common]
ecl_math: Cannot locate rosdep definition for [ament_lint_common]
ecl_filesystem: Cannot locate rosdep definition for [ament_lint_common]
ecl_core_apps: Cannot locate rosdep definition for [ament_cmake_ros]
concert_msgs: No definition of [uuid_msgs] for OS [debian]
rocon_python_comms: No definition of [uuid_msgs] for OS [debian]
ecl_errors: Cannot locate rosdep definition for [ament_cmake_ros]
ecl_sigslots: Cannot locate rosdep definition for [ament_lint_common]
ecl_exceptions: Cannot locate rosdep definition for [ament_cmake_ros]
ecl_tools: Cannot locate rosdep definition for [ament_cmake]
ecl_eigen: Cannot locate rosdep definition for [ament_cmake_ros]
ecl_type_traits: Cannot locate rosdep definition for [ament_lint_common]
ecl_command_line: Cannot locate rosdep definition for [ament_lint_common]
ecl_ipc: Cannot locate rosdep definition for [ament_lint_common]
rocon_interactions: No definition of [unique_id] for OS [debian]
rocon_app_manager: Cannot locate rosdep definition for [rocon_hub]
scheduler_msgs: No definition of [uuid_msgs] for OS [debian]
```

마지막으로 빌드하는 부분이 있는데 너무 오래 걸려서 추가된 부분만 하는 방식이나 집에가서 추가 진행할 예정

 김윤호님의 게시글 더보기

좋아요 0 댓글 0

블로그/카페 공유수 0 공유

댓글

김윤호

등록

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[프로젝트] 22_19일차_진행사항	배진호	09:23
[프로젝트] <seminar> realsense l515, scout mini reference	배진호	2022.08.18.
[프로젝트] 21_18일차_진행사항	배진호	2022.08.18.
[프로젝트] 20_17일차_진행사항	배진호	2022.08.17.
[프로젝트] 19_16일차_진행사항	배진호	2022.08.16.
		전체보기

## 이 카페 인기글



21\_18일차\_진행사항 - 해보조\_정우영 오전