

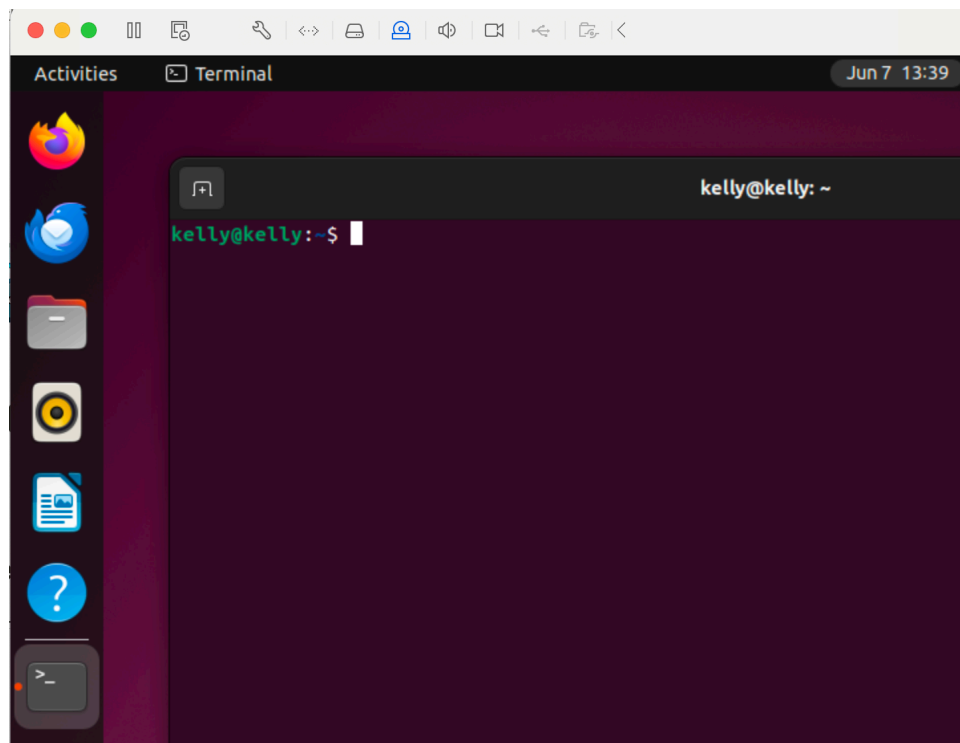


2025년 로봇팔 스터디

Reference

▼ 2025.06.07

- ✓ ~~vm-ware fusion 설치 → 제공해주신 이미지로 mac에서 try : Fail.~~
- ✓ ~~ubuntu 22.04 aarch64 native image로 linux boot : OK~~
- ✓ ~~aarch64 server버전 설치로 vmware tool이 동작하지 않음 → ubuntu-desktop 설치~~

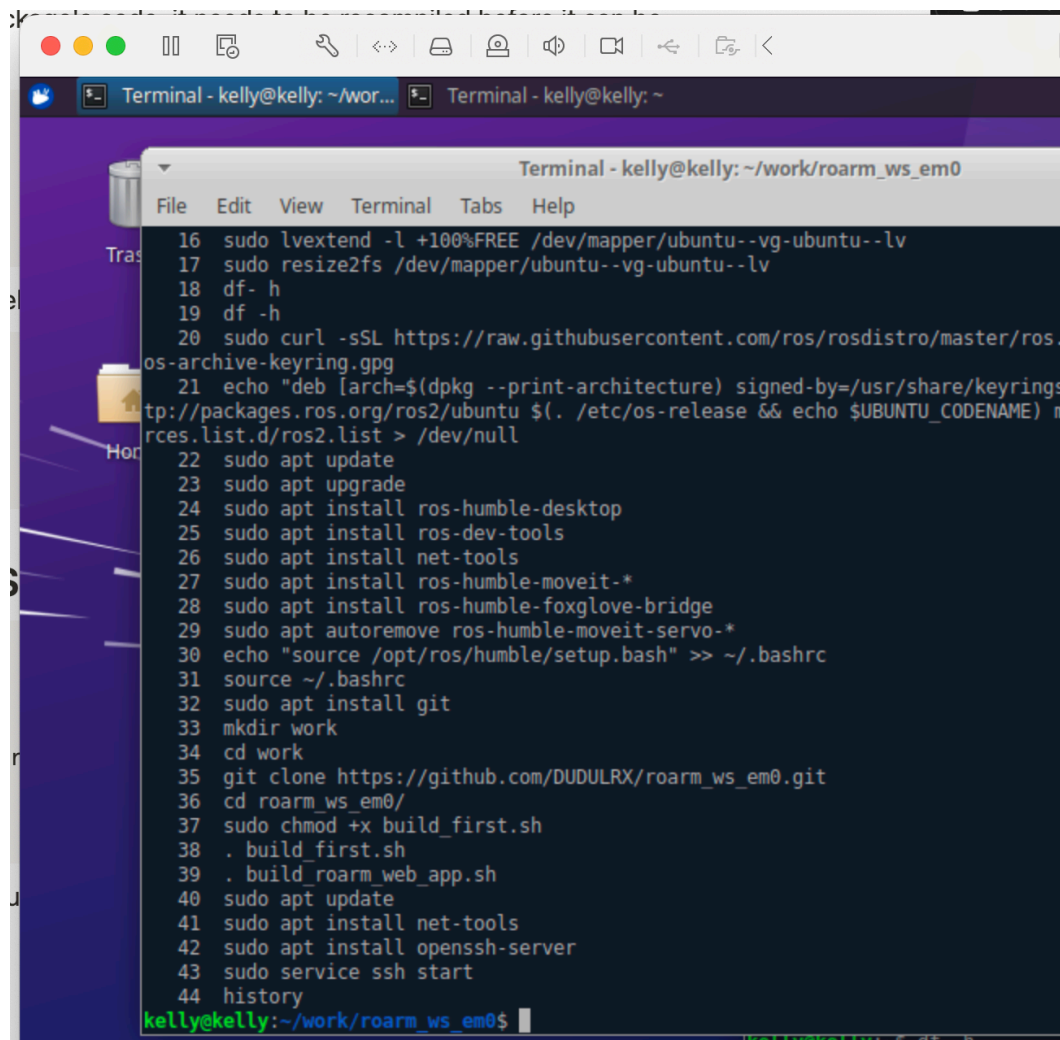


✓ Ros2 humble install

✓ ubuntu desktop이 너무 무겁고 큼 → ubuntu 부터 재설치, 디스크 확장

```
sudo apt install xubuntu-desktop -y  
sudo systemctl set-default graphical.target  
sudo reboot
```

✓ Roam build complete



```
Terminal - kelly@kelly: ~/work/roarm_ws_em0  
File Edit View Terminal Tabs Help  
16 sudo lvextend -l +100%FREE /dev/mapper/ubuntu--vg-ubuntu--lv  
17 sudo resize2fs /dev/mapper/ubuntu--vg-ubuntu--lv  
18 df -h  
19 df -h  
20 sudo curl -sSL https://raw.githubusercontent.com/ros/rosdistro/master/ros.  
os-archive-keyring.gpg  
21 echo "deb [arch=$(dpkg --print-architecture) signed-by=/usr/share/keyrings  
tp://packages.ros.org/ros2/ubuntu $(. /etc/os-release && echo $UBUNTU_CODENAME) m  
rces.list.d/ros2.list" > /dev/null  
22 sudo apt update  
23 sudo apt upgrade  
24 sudo apt install ros-humble-desktop  
25 sudo apt install ros-dev-tools  
26 sudo apt install net-tools  
27 sudo apt install ros-humble-moveit-*  
28 sudo apt install ros-humble-foxfordglove-bridge  
29 sudo apt autoremove ros-humble-moveit-servo-*  
30 echo "source /opt/ros/humble/setup.bash" >> ~/.bashrc  
31 source ~/.bashrc  
32 sudo apt install git  
33 mkdir work  
34 cd work  
35 git clone https://github.com/DUDULRX/roarm_ws_em0.git  
36 cd roarm_ws_em0/  
37 sudo chmod +x build_first.sh  
38 . build_first.sh  
39 . build_roarm_web_app.sh  
40 sudo apt update  
41 sudo apt install net-tools  
42 sudo apt install openssh-server  
43 sudo service ssh start  
44 history  
kelly@kelly:~/work/roarm_ws_em0$
```

▼ 2025.06.14

✓ 로봇팔 HW 연결

✓ web control로 동작 확인

✓ topic publish로 동작 확인

▼ 2025.06.21

✓ rviz를 이용한 컨트롤

attachment:24fd2159-db90-45ec-8477-7441d9b4b00f:by_rviz.mov

✓ movit을 이용한 컨트롤

attachment:888e5487-5e98-42db-abae-90654d78dbf3:by_moveit.
mov