

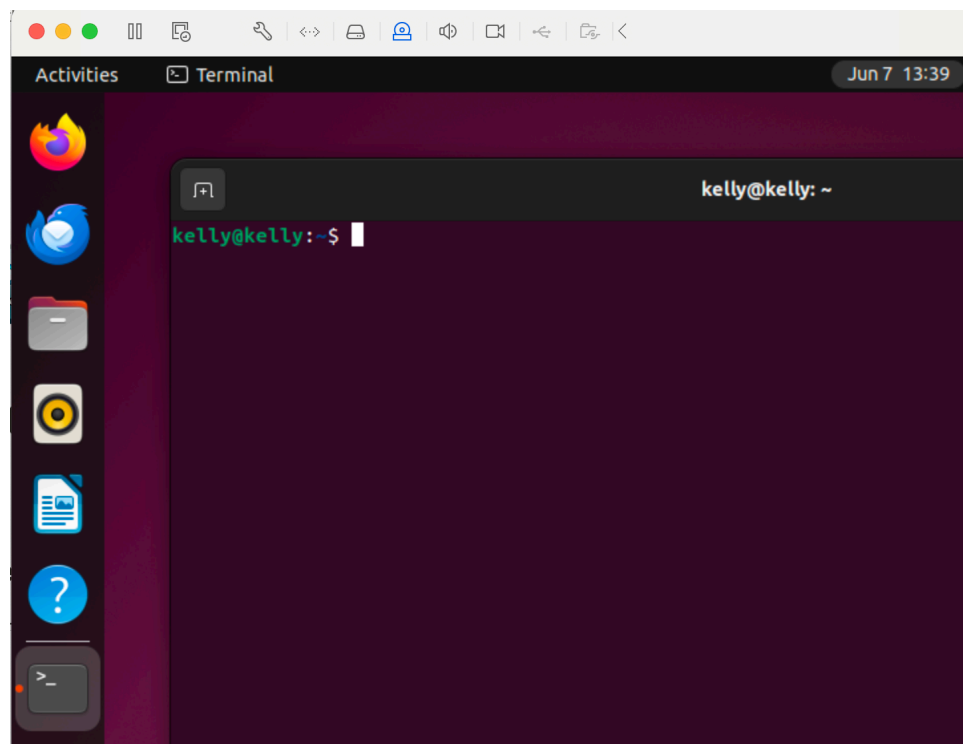


2025년 로봇팔 스터디

Reference

▼ 2025.06.07

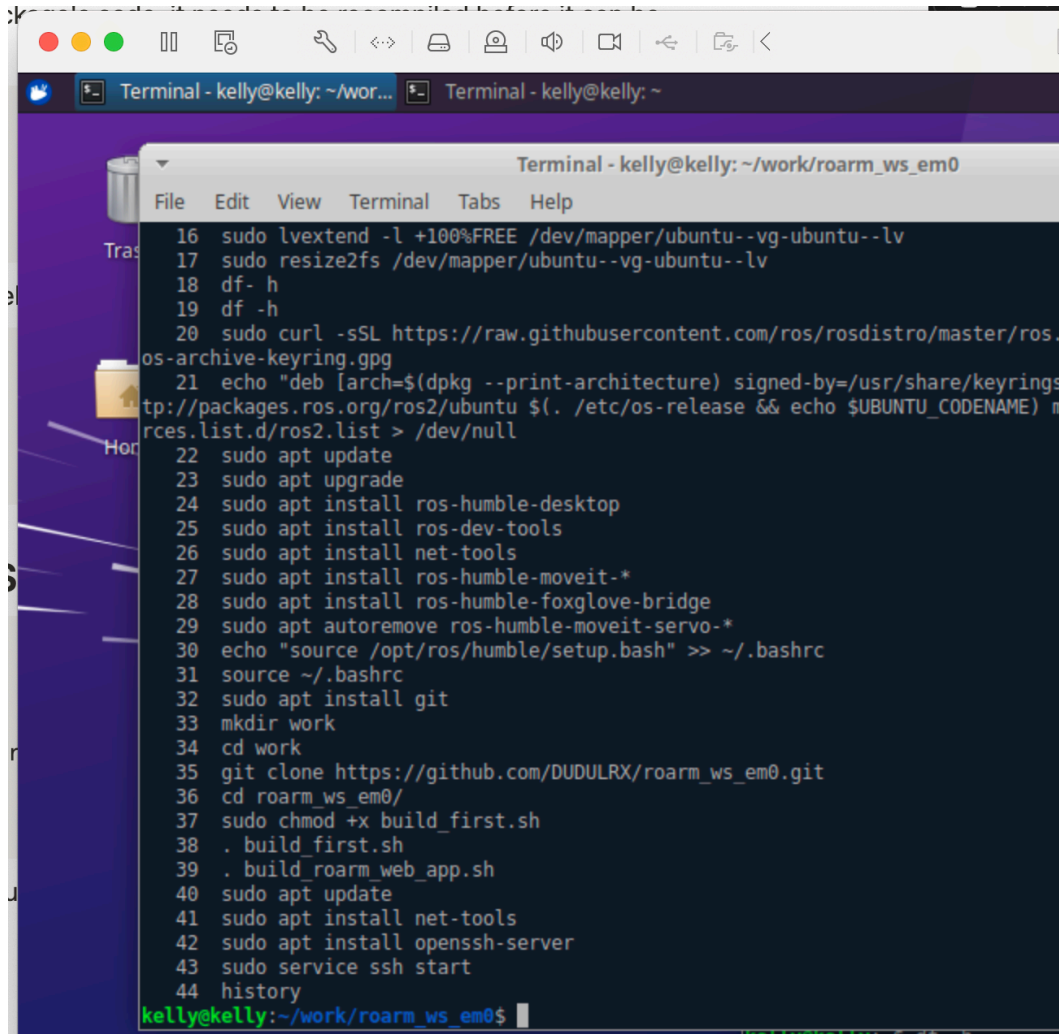
- ✓ ~~vm ware fusion 설치 → 제공해주신 이미지로 mac에서 try : Fail.~~
- ✓ ~~ubuntu 22.04 aarch64 native image로 linux boot : OK~~
- ✓ ~~aarch64 server버전 설치로 vmware tool이 동작하지 않음 → ubuntu desktop 설치~~



- ✓ ~~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

A screenshot of a terminal window titled "Terminal - kelly@kelly: ~/work/roarm_ws_em0". The terminal displays a series of 29 commands and their outputs, numbered 16 through 44. The commands include: extending the disk, resizing the filesystem, checking disk space, downloading ROS2 keys, adding a ROS2 repository, updating the package list, installing ROS2 Humble desktop and development tools, net-tools, moveit, and foxglove-bridge, setting up the environment, installing git, creating a work directory, cloning the repository, running build scripts, updating packages, installing net-tools and openssh-server, starting the ssh service, and finally running the history command. The prompt at the bottom is "kelly@kelly:~/work/roarm_ws_em0\$".

```
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 $UBUNTU_CODENAME) m
rces.list.d/ros2.list > /dev/null
22 sudo apt update
23 sudo apt upgrade
24 sudo apt install ros-humble-desktop
25 sudo apt install ros-dev-tools
26 sudo apt install net-tools
27 sudo apt install ros-humble-moveit-*
28 sudo apt install ros-humble-foxfordglove-bridge
29 sudo apt autoremove ros-humble-moveit-servo-*
30 echo "source /opt/ros/humble/setup.bash" >> ~/.bashrc
31 source ~/.bashrc
32 sudo apt install git
33 mkdir work
34 cd work
35 git clone https://github.com/DUDULRX/roarm_ws_em0.git
36 cd roarm_ws_em0/
37 sudo chmod +x build_first.sh
38 . build_first.sh
39 . build_roarm_web_app.sh
40 sudo apt update
41 sudo apt install net-tools
42 sudo apt install openssh-server
43 sudo service ssh start
44 history
kelly@kelly:~/work/roarm_ws_em0$
```