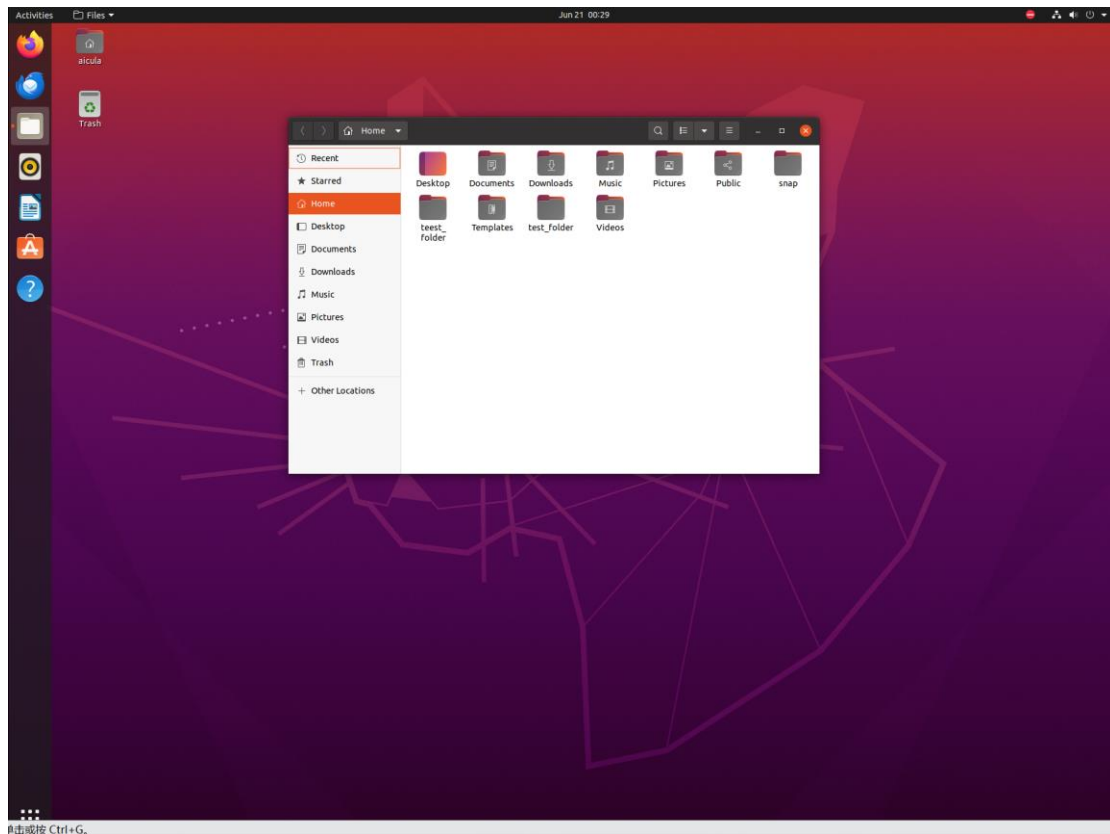**Setting Up the Environment**

- **Operating System**: Ubuntu 20.04 LTS
- **Framework Platform**: ROS1 Noetic
- **Simulation Platform**: Gazebo

Following videos on Bilibili and websites (ubuntu, ROS1), ensure everything works on VMware Workstation to operate. Be familiar with using terminals.

ROS 21 Talks

- Understand how to change file path, create files.
- The basic conception of ROS.

Not finished yet.

Gazebo is a powerful robot simulation tool, which can create a simulated environment where the robot can interact with different elements and scenarios, providing a realistic testing ground for robot behaviors.