Movelt drives the real machine

1. Usage environment

Motherboard: Jetson Orin Nano/Nx

ROS2: Humble

2. Drive the real machine

The real machine is driven by subscribing to the /joint_states topic of Moveit2 to convert the joint state information of the robot arm into the control of the real robot arm.

Note: Since the real robot arm does not have an obstacle avoidance function, some positions may encounter obstacles; so the planned robot arm movements should be as reasonable as possible and avoid positions with obstacles

(It is recommended to use preset positions to demonstrate driving the real machine)

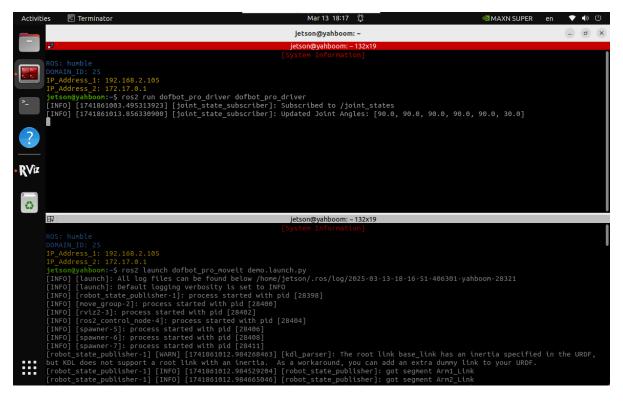
2.1. Start the real machine

If you do not drive the real machine, simulate the robot arm movements in Movelt:

ros2 run dofbot_pro_driver dofbot_pro_driver

2.2. Start Movelt2

ros2 launch dofbot_pro_moveit demo.launch.py



3. Real machine movement

Demonstrating driving the real robot arm to the preset initialization position:

Set the planning group: arm_group

Set the pose: init

Plan and execute pose: Plan & Execute

