

# Enter the same docker terminal

**Note:** This tutorial is only for Raspberry Pi 5, nano, and X5 motherboard images provided by the document. It mainly teaches how to enter the same docker from multiple terminals.

## 1. Open a main docker

Open another terminal and enter the following command to enter docker,

```
sh ros2_humble.sh
```

The following interface appears, which means that you have successfully entered docker. Now you can enter various commands,

```
pi@raspberrypi:~$ ./ros2_humble.sh
access control disabled, clients can connect from any host
Successful
MY_DOMAIN_ID: 20
```

However, in our tutorials, some tutorials require entering multiple commands. This terminal alone cannot meet the needs, and a new docker cannot be opened again, because the data of the new docker and the previous docker cannot be interoperable. At this time, multiple terminals are needed to enter the same docker.

## 2. Enter the same docker from multiple terminals

While keeping the previous docker terminal open, reopen a new terminal in the Raspberry Pi and enter the command,

```
docker ps -a
```

You can see the ID number and docker version of your docker entry. The one that is up is the currently started docker.

```
pi@raspberrypi:~$ docker ps -a
CONTAINER ID   IMAGE                                COMMAND                  CREATED        STATUS        PORTS
df0b05ce60d4   microros/micro-ros-agent:humble     "/bin/sh /micro-ros_..." 2 hours ago   Up 2 hours
ef0e1b7da319   192.168.2.51:5000/ros-humble:10.14  "/bin/bash"             2 hours ago   Up 2 hours
```

According to this ID number, you can enter the same docker. Note that the ID number for each entry into docker is different. Enter the command,

```
docker exec -it ef0e1b7da319 /bin/bash
```

```
pi@raspberrypi:~$ docker exec -it ef0e1b7da319 /bin/bash
MY_DOMAIN_ID: 20
root@raspberrypi:/#
```

When this screen appears, we have entered the same docker. Now you can enter other commands.

