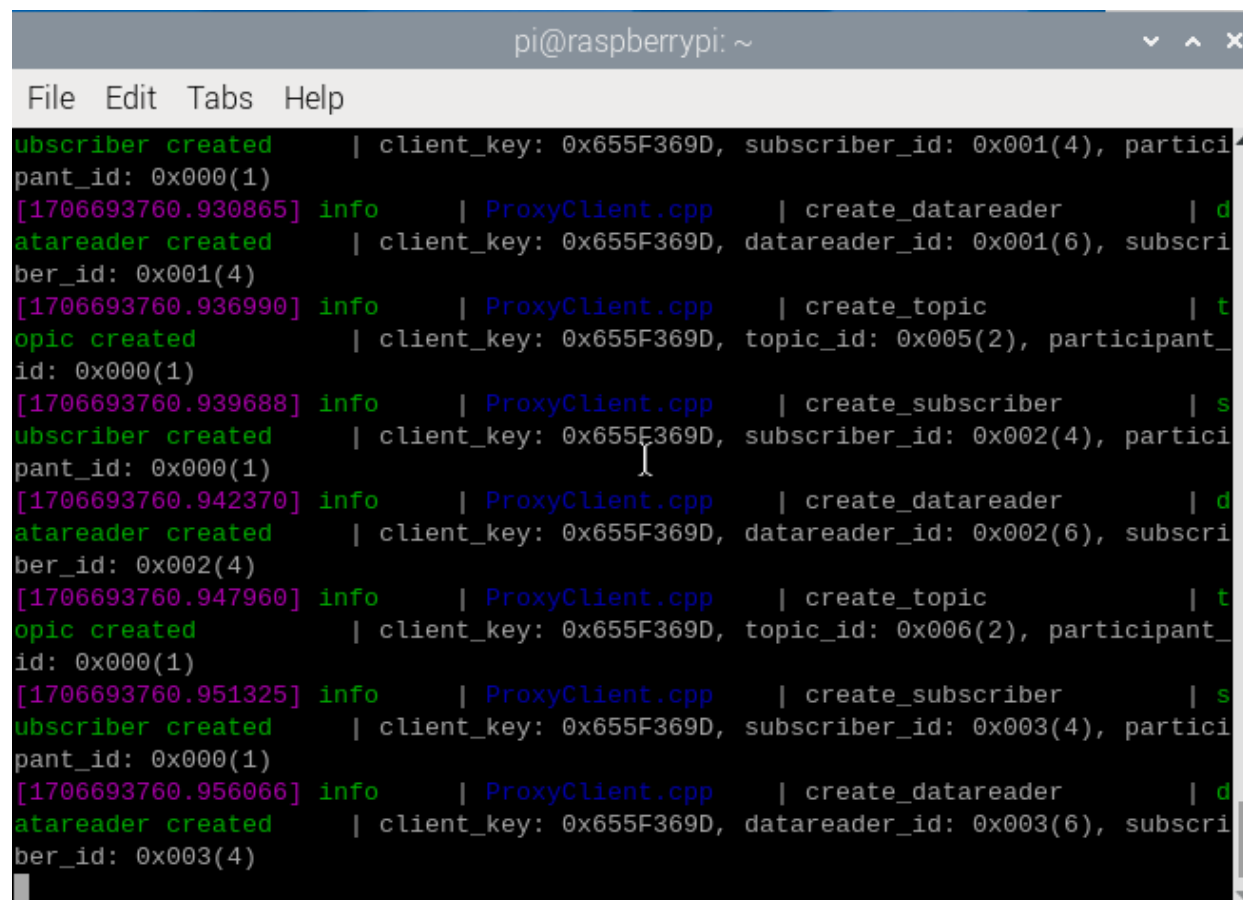


# Turn off MicroROS agent

## 1. Close the agent

After opening the agent, this interface will be displayed:

A terminal window titled 'pi@raspberrypi: ~' with a menu bar containing 'File', 'Edit', 'Tabs', and 'Help'. The terminal displays a series of log messages from the ProxyClient.cpp file. The messages are color-coded: green for status (subscriber created, datareader created, topic created), blue for file names (ProxyClient.cpp), and magenta for timestamps. The logs show the sequential creation of subscribers, datareaders, and topics with their respective IDs. A cursor is visible on the line containing the timestamp [1706693760.939688].

```
pi@raspberrypi: ~
File Edit Tabs Help
subscriber created      | client_key: 0x655F369D, subscriber_id: 0x001(4), partici
pant_id: 0x000(1)
[1706693760.930865] info      | ProxyClient.cpp      | create_datareader      | d
atareader created      | client_key: 0x655F369D, datareader_id: 0x001(6), subscri
ber_id: 0x001(4)
[1706693760.936990] info      | ProxyClient.cpp      | create_topic           | t
opic created           | client_key: 0x655F369D, topic_id: 0x005(2), participant_
id: 0x000(1)
[1706693760.939688] info      | ProxyClient.cpp      | create_subscriber      | s
ubscriber created      | client_key: 0x655F369D, subscriber_id: 0x002(4), partici
pant_id: 0x000(1)
[1706693760.942370] info      | ProxyClient.cpp      | create_datareader      | d
atareader created      | client_key: 0x655F369D, datareader_id: 0x002(6), subscri
ber_id: 0x002(4)
[1706693760.947960] info      | ProxyClient.cpp      | create_topic           | t
opic created           | client_key: 0x655F369D, topic_id: 0x006(2), participant_
id: 0x000(1)
[1706693760.951325] info      | ProxyClient.cpp      | create_subscriber      | s
ubscriber created      | client_key: 0x655F369D, subscriber_id: 0x003(4), partici
pant_id: 0x000(1)
[1706693760.956066] info      | ProxyClient.cpp      | create_datareader      | d
atareader created      | client_key: 0x655F369D, datareader_id: 0x003(6), subscri
ber_id: 0x003(4)
```

Click on this terminal and press ctrl+c on the keyboard to close the agent.

```

pant_id: 0x000(1)
[1706693760.930865] info      | ProxyClient.cpp      | create_datareader      | d
atareader created      | client_key: 0x655F369D, datareader_id: 0x001(6), subscri
ber_id: 0x001(4)
[1706693760.936990] info      | ProxyClient.cpp      | create_topic            | t
opic created           | client_key: 0x655F369D, topic_id: 0x005(2), participant_
id: 0x000(1)
[1706693760.939688] info      | ProxyClient.cpp      | create_subscriber       | s
ubscriber created      | client_key: 0x655F369D, subscriber_id: 0x002(4), partici
pant_id: 0x000(1)
[1706693760.942370] info      | ProxyClient.cpp      | create_datareader       | d
atareader created      | client_key: 0x655F369D, datareader_id: 0x002(6), subscri
ber_id: 0x002(4)
[1706693760.947960] info      | ProxyClient.cpp      | create_topic            | t
opic created           | client_key: 0x655F369D, topic_id: 0x006(2), participant_
id: 0x000(1)
[1706693760.951325] info      | ProxyClient.cpp      | create_subscriber       | s
ubscriber created      | client_key: 0x655F369D, subscriber_id: 0x003(4), partici
pant_id: 0x000(1)
[1706693760.956066] info      | ProxyClient.cpp      | create_datareader       | d
atareader created      | client_key: 0x655F369D, datareader_id: 0x003(6), subscri
ber_id: 0x003(4)
^C[ros2run]: Interrupt
pi@raspberrypi:~ $

```

## 2. Reopen the agent

After turning off the agent above, we can no longer control the car. If you want to regain control, you need to restart the agent. If you enter the following command in the terminal, you will be stuck in this interface.

```
sh start_agent_rpi5.sh
```

```

pi@raspberrypi:~ $ sh start_agent_rpi5.sh
[1706694693.190177] info      | TermiosAgentLinux.cpp | init
| running...           | fd: 3
[1706694693.190715] info      | Root.cpp              | set_verbose_level      | 1
ogger setup           | verbose_level: 4

```

This is because you need to press the reset button of the microros expansion board to reconnect to the agent for the second time. When we press the reset button and hear a beep, wait two seconds to restart the agent.

```
subscriber created      | client_key: 0x64F8BFFD, subscriber_id: 0x001(4), partici
pant_id: 0x000(1)
[1706694810.237704] info      | ProxyClient.cpp      | create_datareader      | d
atareader created      | client_key: 0x64F8BFFD, datareader_id: 0x001(6), subscri
ber_id: 0x001(4)
[1706694810.241613] info      | ProxyClient.cpp      | create_topic            | t
opic created           | client_key: 0x64F8BFFD, topic_id: 0x005(2), participant_
id: 0x000(1)
[1706694810.244622] info      | ProxyClient.cpp      | create_subscriber       | s
ubscriber created      | client_key: 0x64F8BFFD, subscriber_id: 0x002(4), partici
pant_id: 0x000(1)
[1706694810.247656] info      | ProxyClient.cpp      | create_datareader       | d
atareader created      | client_key: 0x64F8BFFD, datareader_id: 0x002(6), subscri
ber_id: 0x002(4)
[1706694810.253889] info      | ProxyClient.cpp      | create_topic            | t
opic created           | client_key: 0x64F8BFFD, topic_id: 0x006(2), participant_
id: 0x000(1)
[1706694810.256028] info      | ProxyClient.cpp      | create_subscriber       | s
ubscriber created      | client_key: 0x64F8BFFD, subscriber_id: 0x003(4), partici
pant_id: 0x000(1)
[1706694810.259349] info      | ProxyClient.cpp      | create_datareader       | d
atareader created      | client_key: 0x64F8BFFD, datareader_id: 0x003(6), subscri
ber_id: 0x003(4)
```