ROS2 PC&Robot Network setting
By TESR

ROS2

Thai Embedded

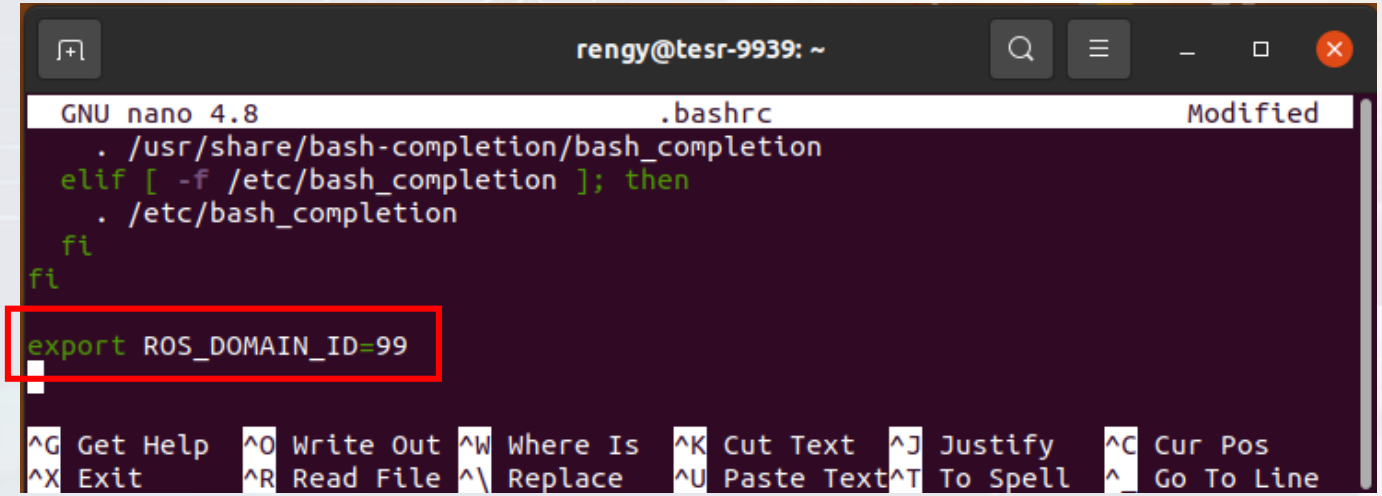
PC/Laptop's Domain setup

- Open the terminal and type:

```
sudo nano ~/.bashrc
```

- Scroll down to the last line of file and type:

```
export ROS_DOMAIN_ID=99
```

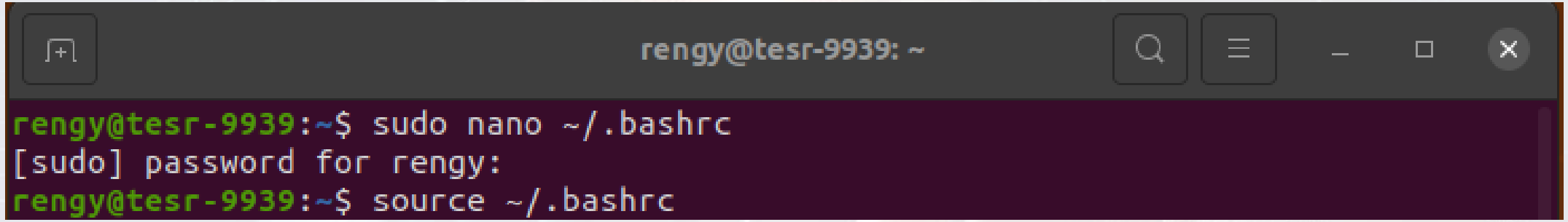


*Domain can define as 0~232. But by default, the Linux kernel uses ports 32768~60999 for ephemeral ports. So, you can define the domain ID as 0~101 and 215~232 without colliding with ephemeral ports.

PC/Laptop's Domain setup

- After define the DOMAIN_ID, press Ctrl+O and Enter to save the edit. And then, press Ctrl+X and Enter to Quit from nano.
- And then, source .bashrc to update **PC/Laptop's** shell environment by type:

```
source ~/.bashrc
```



iron-X's Domain setup

- Remote to iron-X using secure shell to iron-X terminal by type:

```
ssh pi@<iron-X's IP-address>
```

- Open the terminal and type:

```
sudo nano ~/.bashrc
```

- Scroll down to the last line of file and type:

```
export ROS_DOMAIN_ID=99
```

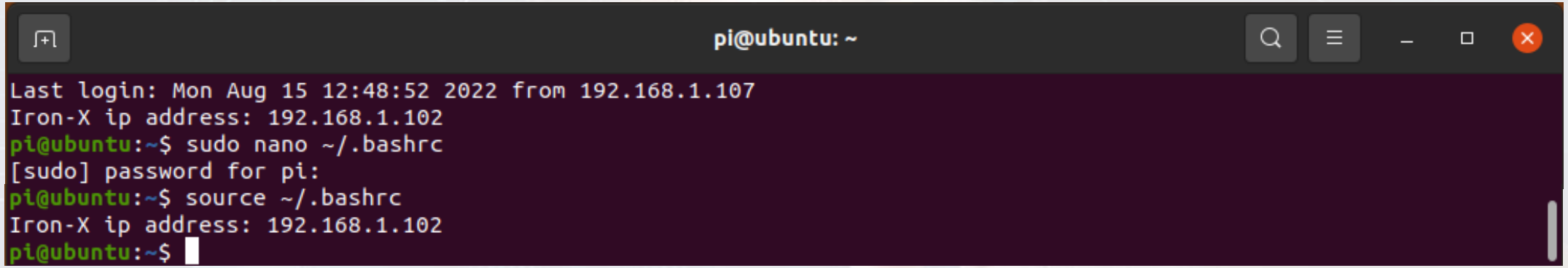
*You must define iron-X's ROS_DOMAIN_ID as same as PC/Laptop's ROS_DOMAIN_ID.
In this case, ROS_DOMAIN_ID is defined as 99.

Thai Embedded

iron-X's Domain setup

- After define the DOMAIN_ID, press Ctrl+O and Enter to save the edit. And then, press Ctrl+X and Enter to Quit from nano.
- And then, source .bashrc to update **iron-X's** shell environment by type:

```
source ~/.bashrc
```



Contact Us

Email: tesrshop@gmail.com
Line official Account: @ion1900z
Facebook fanpage: TESR
Tel. 082-983-7768

Scan here

More

Thai Embedded

TESR Co., LTD

112/296 หมู่บ้าน เพอร์เฟค มาสเตอร์พีซ
หมู่ที่ 2 ตำบลไทรม้า อำเภอเมืองนนทบุรี
จังหวัดนนทบุรี 11000