4.Ubuntu common editors

4.1Editor

4.1.1、vim

vim is an upgraded version of vi. The most common difference is that it can display some special information of system files in multiple colors.

- Installation command

```
sudo apt install vim
```

- Three main modes

Command mode (edit mode): Default mode, move cursor, cut/paste text (interface performance: file name is displayed in the lower left corner or is empty)

Insert mode (input mode): Modify text (interface performance: -INSERT– is displayed in the lower left corner) In insert mode, press the ESC key to return to command mode

Last line mode (extended mode): save, exit, etc. (Interface performance: -VISUAL– displayed in the lower left corner) In last line mode, press the ESC key twice in succession to return to last line mode.

- Mode switch

Switch command mode to edit mode

```
i     # Insert mode to enter editing mode
a     #Append mode to enter editing mode
o     # Start editing at the beginning of the next line of the current line
O      # Start editing at the beginning of the line above the current line
```

Switch command mode to last line mode

```
:    # Enter colon 【:】
```

Switch to command mode from last line mode: press 【esc】

Switch from edit mode to command mode: press 【esc】

Esc: exit to current mode

Esc build Esc build: always return to command mode

- Last line mode

```
w           # save
q           #Exit
q!          # Force exit
x           # Save and exit
set nu      #display line number
set         # nonu hide line number
0,$d        # vim deletes the entire contents of the file:
/string     # Search the string string backward from the cursor; press n to
locate the next one, and shfit+n to locate the previous one.
g/string    # Retrieve string. Stops the cursor at the beginning of the first
retrieved string string.
```

- Command mode

```
yy          # copy
p           # Paste
3yy         # Copy 3 lines
2p          # Paste 2 times
dd          # cut
3dd         # Cut 3 lines
u           # Undo
Ctrl + r    # Undo
dd          # Delete the current line
dG          # Delete the current line to the end of the file
dH          # Delete the current line to the beginning of the file
gg          # Jump to the first line of the current document
G           # Jump to the last line of the current document
^           # Jump to the beginning of the current line
$           # Jump to the end of the current line
h           # Shift one character left
j           # Move down one line
k           # move up one line
l           # Shift one character to the right
PageDown(or Ctrl+F)    # Scroll down one screen
PageUp(or Ctrl+B)      # Scroll up one screen
```

4.1.2、nano

nano is a text editor for Unix and Unix-like systems, a copy of Pico.

- Install

```
sudo apt install nano
```

New/open file

```
nano path + file name
Eg:nano test_nano.txt
```

Control commands
```

```
Ctrl+v      # Next page
Ctrl+y      # Previous page
Ctrl+w      # Search for a word or phrase
Ctrl+x      # Close the current text, exit nano, and return to the shell
Ctrl+\      # Search and replace
Ctrl+k      # Cut text lines
Ctrl+u      # Paste lines of text
Ctrl+c      # Display the cursor position in the text
```

4.1.3、gedit

In the editor, we can click the "Open" button to browse the recently opened file list and open the file; click the "Save" button to save the file currently being edited; click the menu bar on the right to perform more operations.

```
Ctrl + s        save file
Ctrl + Shift + s      Save as
Ctrl + f      Search text content
```

The gedit editor must be started when the interface can be displayed, and it cannot be started remotely without an interface such as ssh, jupyter, putty, etc.