Linux common commands and the use of vim editor

1. Some basic common

1) View the version of operating system

cat /proc/version

2) View the version of mainboard

cat /proc/cpuinfo

3) View the remaining space of the SD card.

df -h

4) View IP address

ifconfig

5)Condense：tar –zcvf filename.tar.gz dirname

Decompress：tar –zxvf filename.tar.gz

6) apt(Advanced Package Tool)is used to install software.

sudo apt-get install xxx install xxx software.

sudo apt-get update update software.

sudo apt-get upgrade update the installed software.

sudo apt-get remove xxx remove xxx software.

Some tutorial for linux commands:

http://www.runoob.com/linux/linux-command-manual.html

2.Introduction and configuration of the vim editor

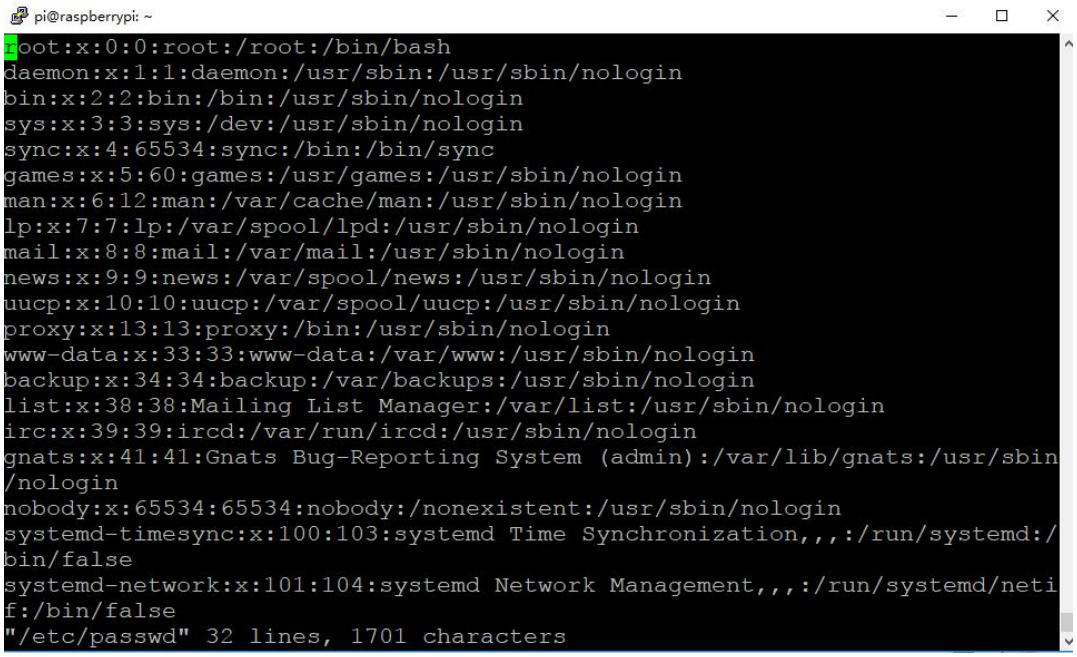
Linux comes with editors nano and vi. Vim editor is an upgraded version of the vi editor,which has a better experience.

How to install and configure vim editor in the Raspberry Pi system

1)You need to input: sudo apt-get update

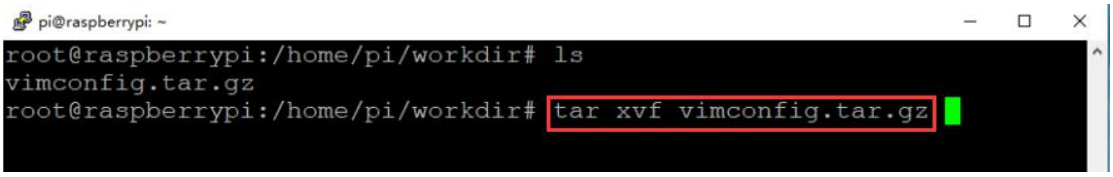
2)You need to input: sudo apt-get install vim

You will see the following interface:



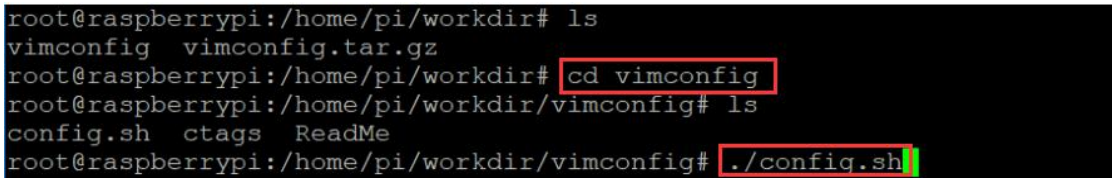
3)You need to input: su and input the password for the your root account.

4)You need to input: sudo tar xvf vimconfig.tar.gz

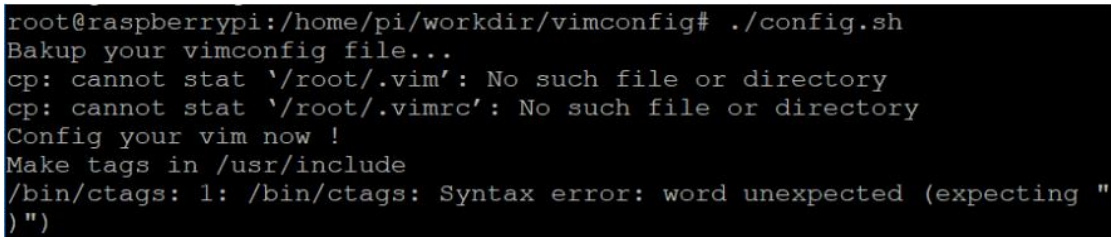


5)You need to input: cd vimconfig

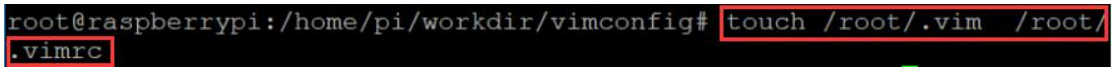
You need to input:./config.sh



You may see the interface shown below.



6)You need to input: touch /root/.vim /root/.vimrc



7)You need to input: apt-get install ctags

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root@raspberrypi:/home/pi/workdir/vimconfig# apt-get install ctags
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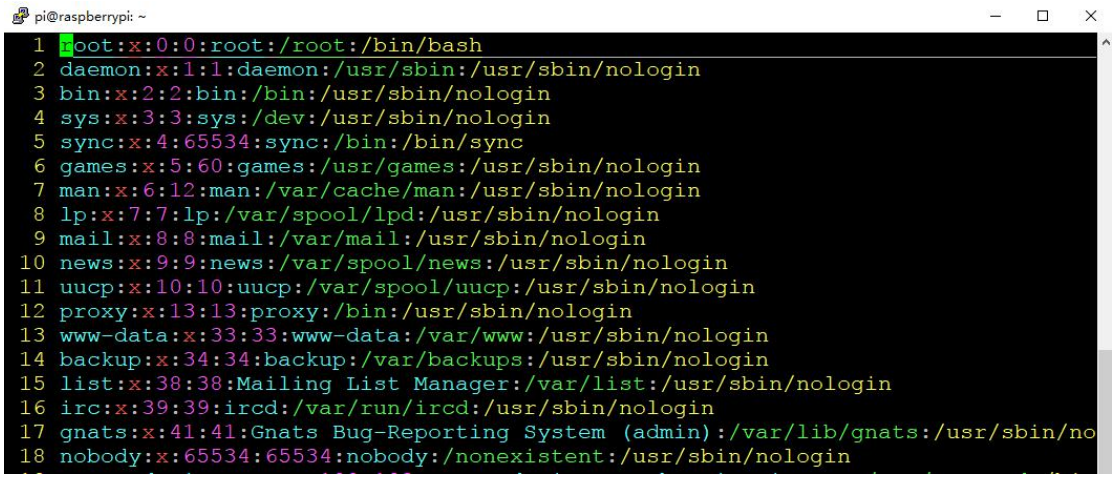
After the above steps is completed, the vim editor becomes will become as shown below.



The editor possess 3 modes: Enter mode, Command mode, Low line mode.

Enter mode:In this mode, you can enter characters, and pressing ESC will return to command mode.

Command mode: You can move the cursor, delete characters, and so on.

Low line mode: You can save files, exit editor, set editor, find,etc.(low line mode be regarded as in command mode)

①These instructions are used in Command mode:

vi filename/vim filename	//Open the filename file
:w	//Save file
:q	//Exit editor(The file has not been modified)
:q!	//Exit editor without save
:wq	//Exit editor and save

②These instructions are used in Command mode.After these commands are executed, you can enter the Enter mode. (pressing ESC will return to command mode)

a	//Add text to the right of the current cursor position
i	//Add text to the left of the current cursor position
A	//Add text at the end of the current line
I	//Add text at the beginning of the current line (the beginning of a line that is not a null character)
O	//Create a new line above the current line
o	//Create a new line below the current line

R //Replace (overwrite) the current cursor position and several texts that follow

③These instructions are used in Command mode:

x //Delete current character
nx //Delete n characters from the cursor
dd //Delete current line
u //Undo the previous step
U //Undo all operations on the current line

④These instructions are used in Command mode:

yy //Copy the current line to the buffer
yw //Copy the characters from the cursor to the end of the word
y^ //Copy the content from the cursor to the beginning of the line
y$ //Copy the content from the cursor to the end of the line
p //Paste the contents of the clipboard behind the cursor
P //Paste the contents of the clipboard in front of the cursor

⑤These instructions are used in Command mode:

:set nu //Display the number of line
:set nonu //Undisplay the number of line