

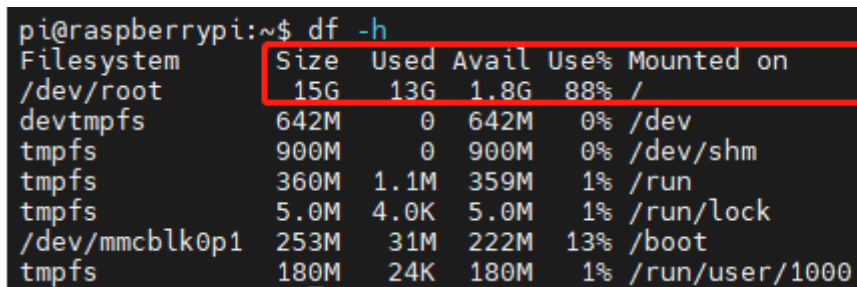
Raspberry Pi system expansion

This document briefly describes how to expand the system. Because the factory image only has 15G, and the SD card system is 32G. If you want to use the remaining space, you can read this tutorial.

1. First, enter the Raspberry Pi system. There are many ways to do this, which are not described in this document.
2. Then enter the command to query the space

```
df -h
```

You can see the system space

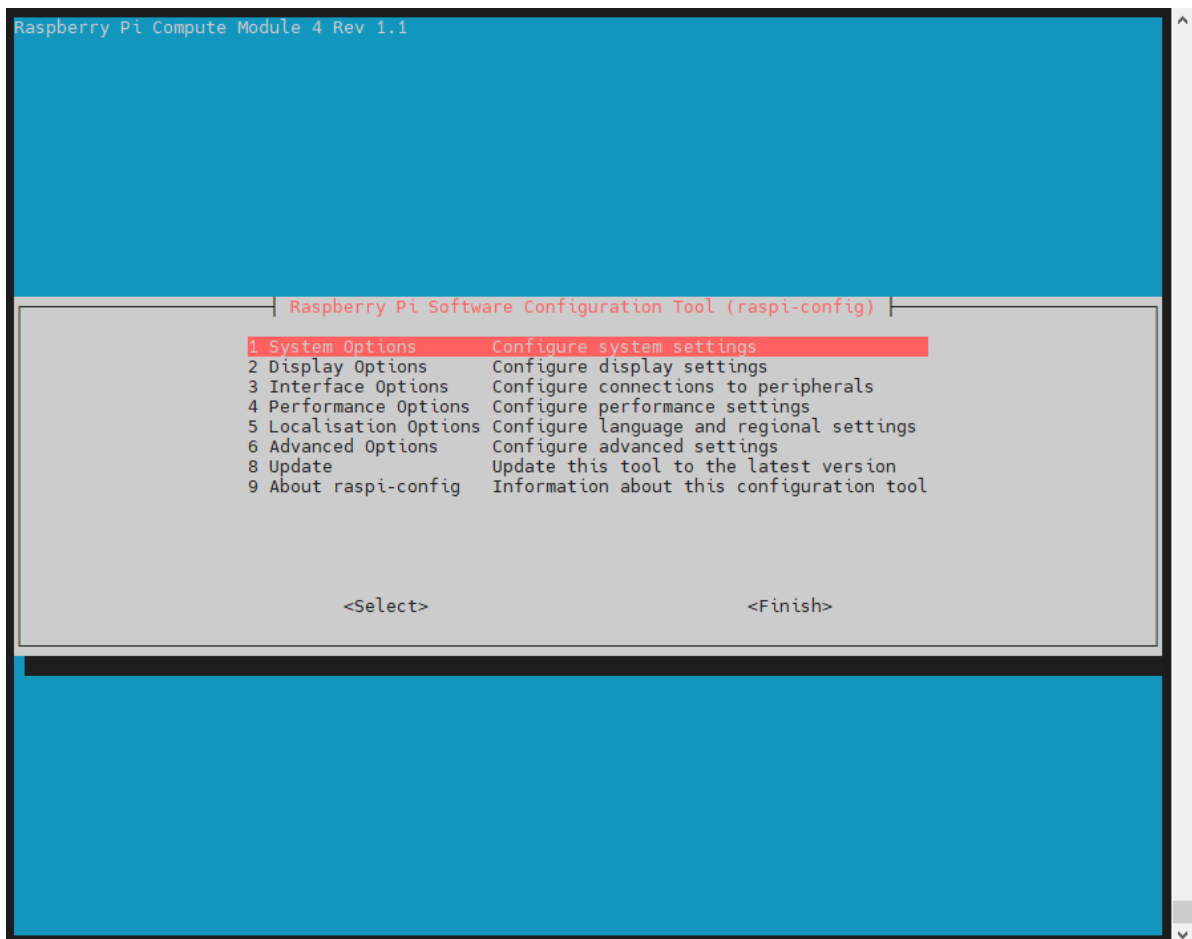


```
pi@raspberrypi:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/root        15G   13G   1.8G  88% /
devtmpfs         642M    0   642M   0% /dev
tmpfs            900M    0   900M   0% /dev/shm
tmpfs            360M   1.1M   359M   1% /run
tmpfs            5.0M   4.0K   5.0M   1% /run/lock
/dev/mmcblk0p1   253M   31M   222M  13% /boot
tmpfs            180M    0   180M   1% /run/user/1000
```

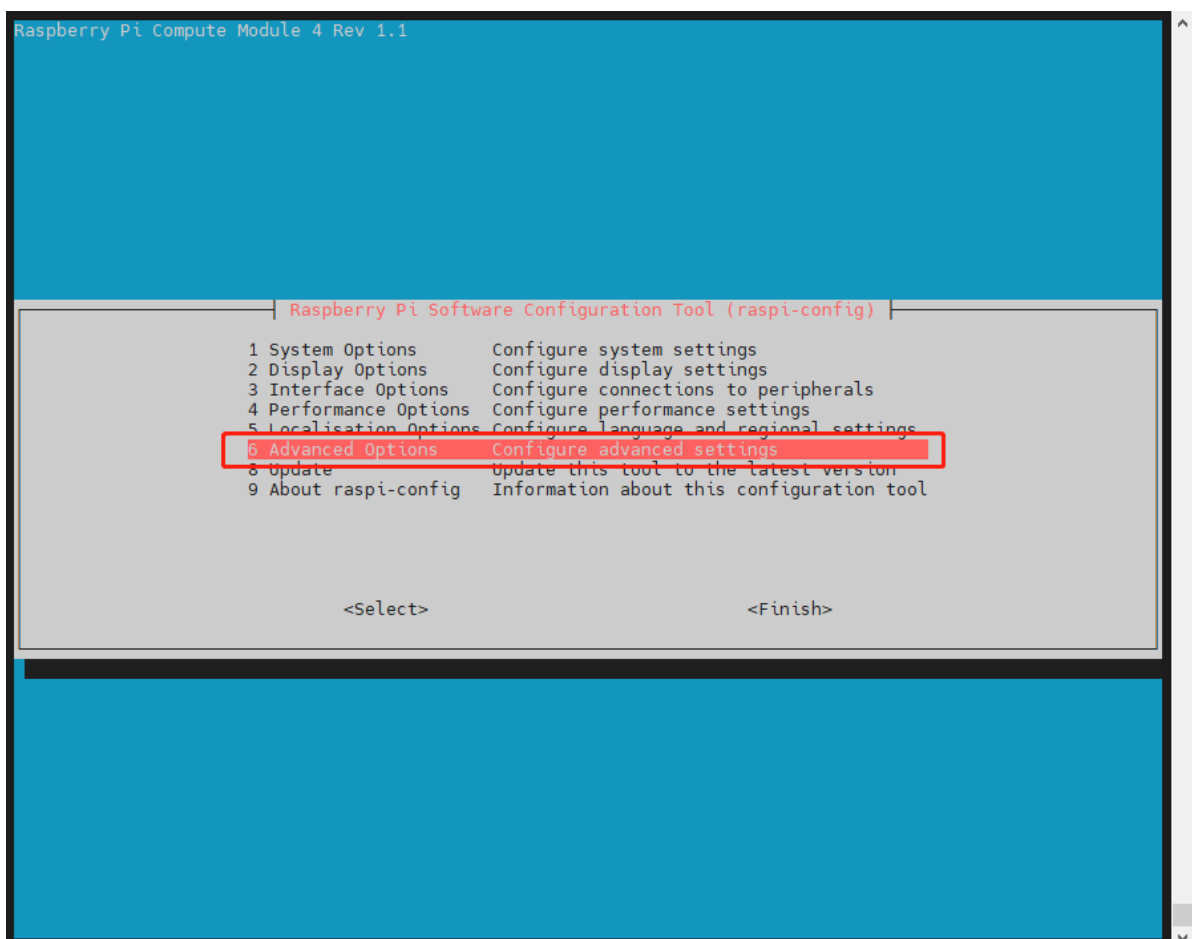
3. Enter the following command to expand capacity

```
sudo raspi-config
```

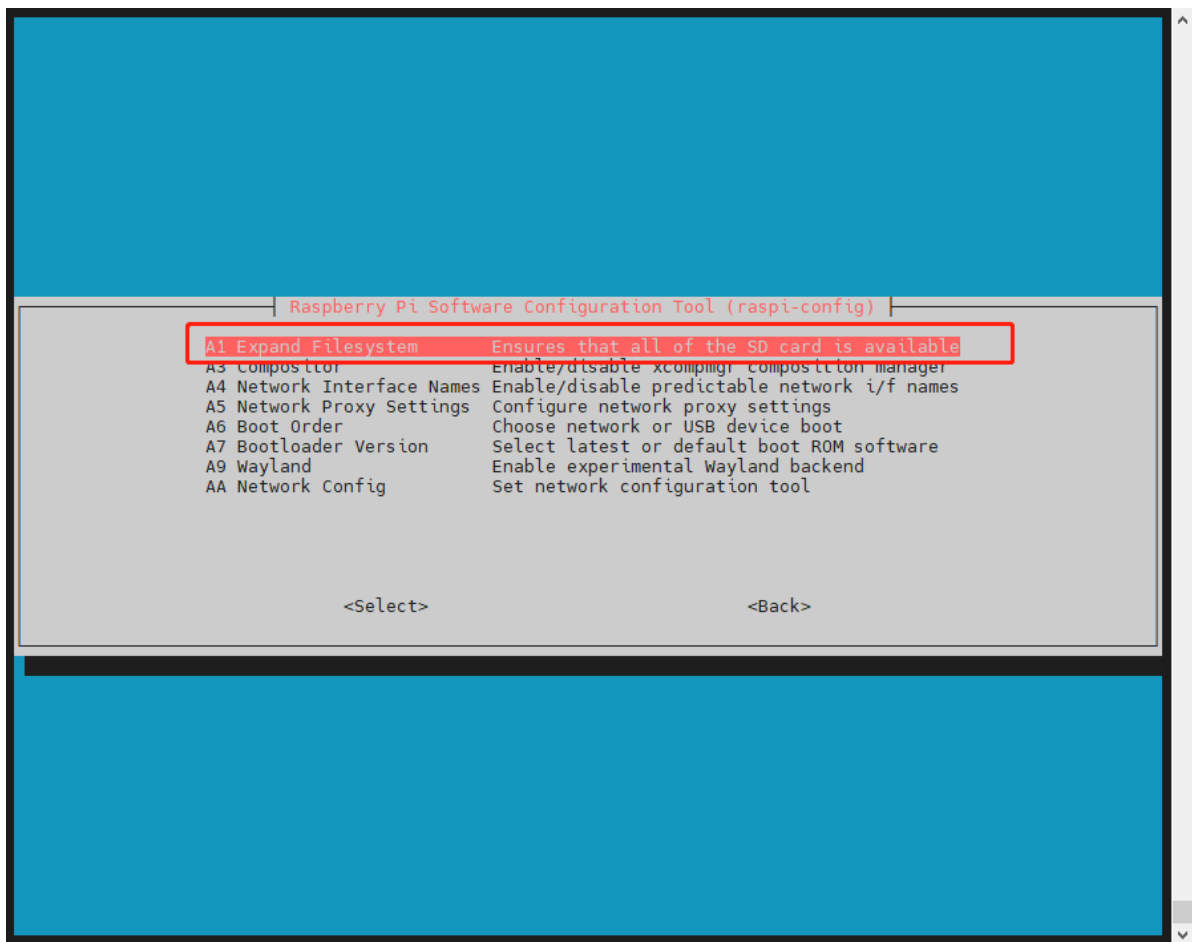
You will enter this interface



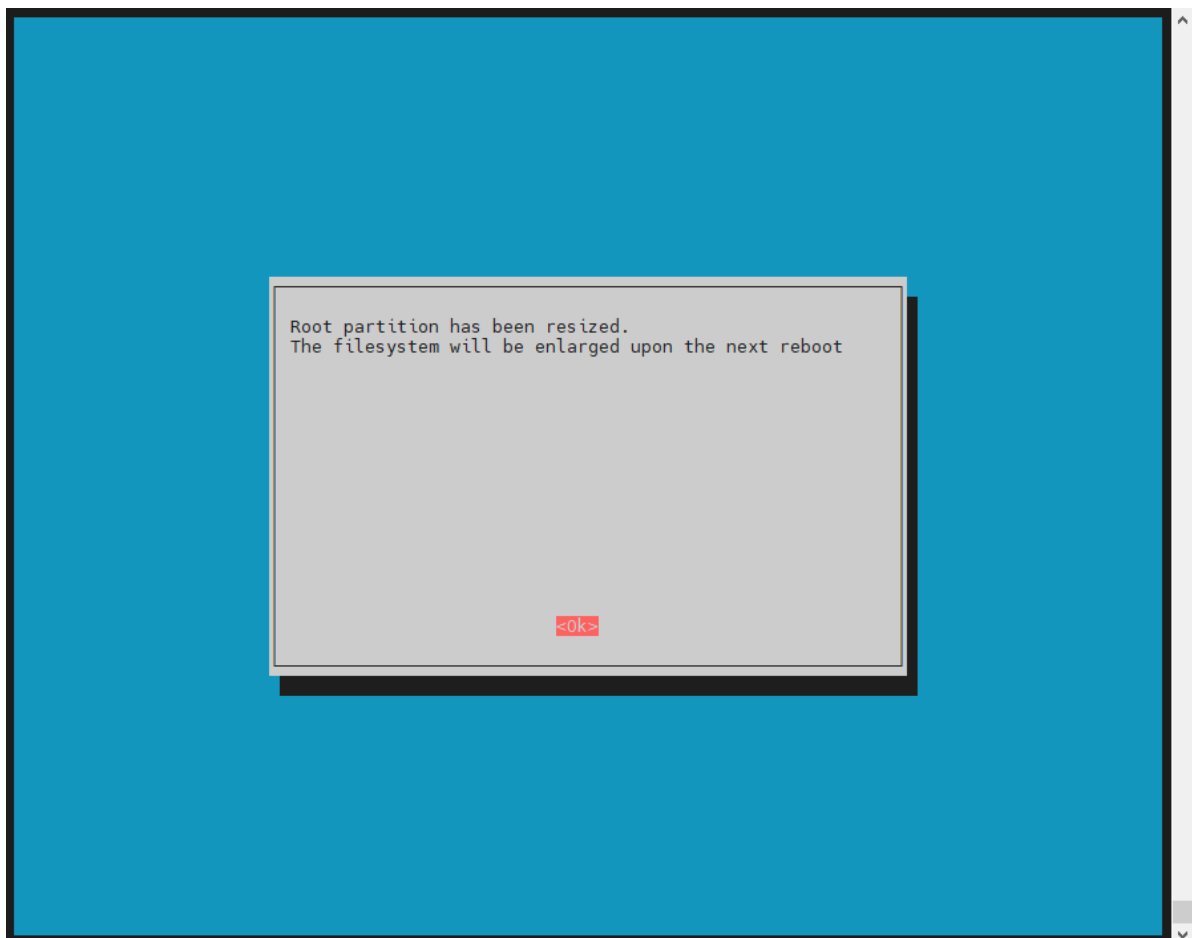
4. Select option 6 and press Enter

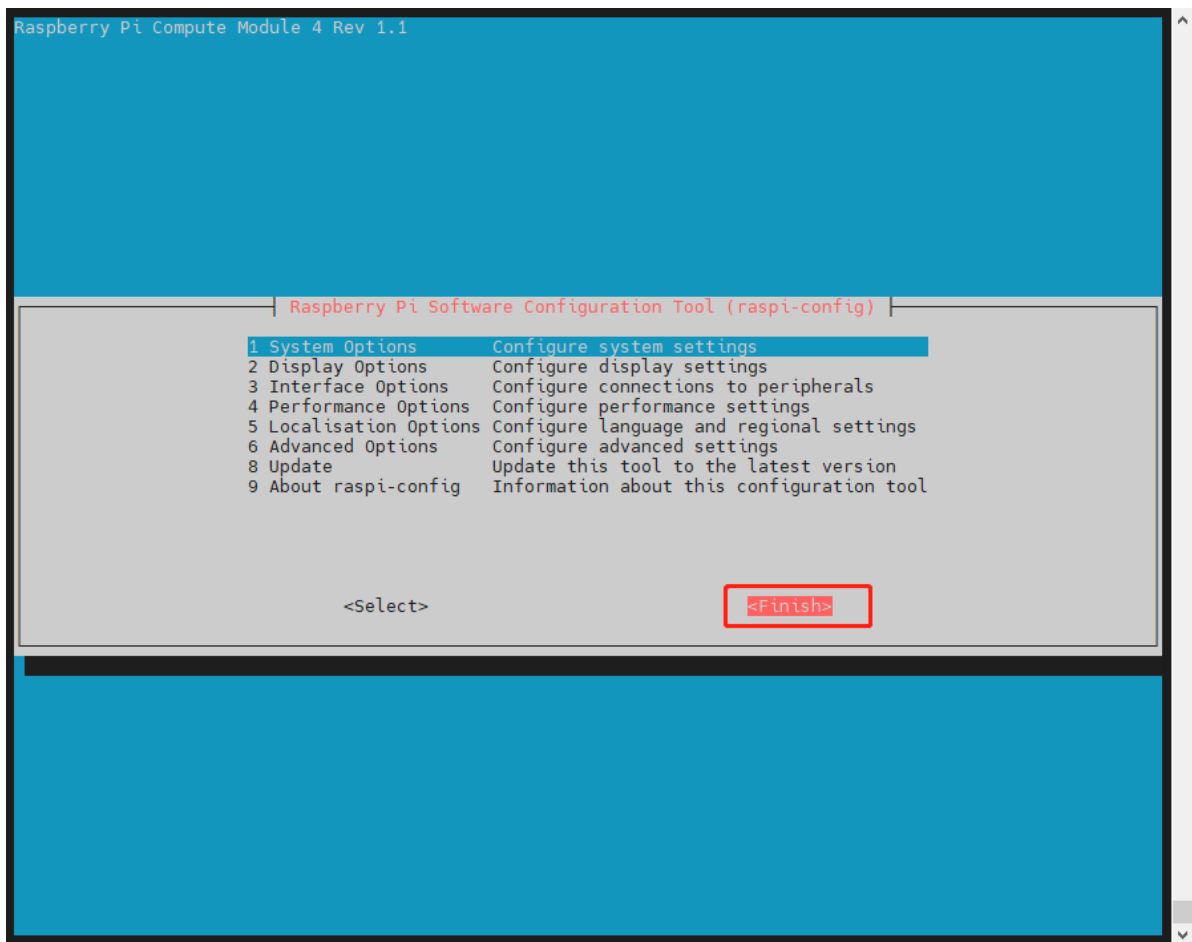


5. Select the first option and click OK



6. Press Enter on this interface, then select Finish. Then restart the dog.





7. Restart the dog



8. Query the space again.

```
df -h
```

Found that the expansion is complete

```
pi@raspberrypi:~$ df -h
Filesystem      Size  Used Avail Use% Mounted on
/dev/root        29G   13G   16G   44% /
devtmpfs         642M     0   642M    0% /dev
tmpfs            900M     0   900M    0% /dev/shm
tmpfs            360M   1.2M   359M    1% /run
tmpfs            5.0M   4.0K   5.0M    1% /run/lock
/dev/mmcblk0p1   253M   31M   222M   13% /boot
tmpfs            180M    24K   180M    1% /run/user/1000
pi@raspberrypi:~$
```