

Fresh installation of Raspberian (RaspOS)

What is inside ?

```
free -h  
df -hT | sort
```

```
anton@ku5mon1:~ $ df -hT  
Filesystem Type Size Used Avail Use% Mounted on  
udev devtmpfs 189M 0 189M 0% /dev  
tmpfs tmpfs 182M 4.2M 178M 3% /run  
/dev/mmcblk0p2 ext4 29G 3.0G 25G 11% /  
tmpfs tmpfs 454M 0 454M 0% /dev/shm  
tmpfs tmpfs 5.0M 16K 5.0M 1% /run/lock  
tmpfs tmpfs 1.0M 0 1.0M 0% /run/credentials/systemd-journald.service  
tmpfs tmpfs 454M 0 454M 0% /tmp  
/dev/mmcblk0p1 vfat 510M 75M 436M 15% /boot/firmware  
tmpfs tmpfs 91M 16K 91M 1% /run/user/1000  
tmpfs tmpfs 1.0M 0 1.0M 0% /run/credentials/getty@tty1.service  
tmpfs tmpfs 1.0M 0 1.0M 0% /run/credentials/serial-getty@ttyS0.service  
tmpfs tmpfs 91M 8.0K 91M 1% /run/user/0  
anton@ku5mon1:~ $ free -h  
total used free shared buff/cache available  
Mem: 906Mi 231Mi 90Mi 4.2Mi 653Mi 675Mi  
Swap: 905Mi 0B 905Mi
```

Lite (no-GUI)

```
root@omiljump1:/home/anton# free -h  
total used free shared buff/cache available  
Mem: 906Mi 170Mi 338Mi 4.0Mi 455Mi 735Mi  
Swap: 905Mi 0B 905Mi  
root@omiljump1:/home/anton#  
root@omiljump1:/home/anton# df -hT | sort  
/dev/mmcblk0p1 vfat 510M 74M 437M 15% /boot/firmware  
/dev/mmcblk0p2 ext4 29G 2.8G 25G 10% /  
Filesystem Type Size Used Avail Use% Mounted on  
tmpfs tmpfs 1.0M 0 1.0M 0% /run/credentials/getty@tty1.service  
tmpfs tmpfs 1.0M 0 1.0M 0% /run/credentials/serial-getty@ttyS0.service  
tmpfs tmpfs 1.0M 0 1.0M 0% /run/credentials/systemd-journald.service  
tmpfs tmpfs 182M 4.0M 178M 3% /run  
tmpfs tmpfs 454M 0 454M 0% /dev/shm  
tmpfs tmpfs 454M 0 454M 0% /tmp  
tmpfs tmpfs 5.0M 12K 5.0M 1% /run/lock  
tmpfs tmpfs 91M 8.0K 91M 1% /run/user/0  
tmpfs tmpfs 91M 8.0K 91M 1% /run/user/1000  
udev devtmpfs 317M 0 317M 0% /dev  
root@omiljump1:/home/anton#
```

Full Raspberian

```
root@rnk1jump1:/home/anton# free -h
              total        used         free       shared  buff/cache   available
Mem:          7.6Gi        508Mi        6.5Gi          29Mi        756Mi        7.1Gi
Swap:         2.0Gi           0B          2.0Gi

root@rnk1jump1:/home/anton# df -hT | sort
/dev/mmcblk0p1 vfat      505M    79M    427M   16% /boot/firmware
/dev/mmcblk0p2 ext4     29G    9.6G    18G   35% /
Filesystem      Type      Size  Used Avail Use% Mounted on
tmpfs           tmpfs     1.0M    0    1.0M   0% /run/credentials/getty@tty1.service
tmpfs           tmpfs     1.0M    0    1.0M   0% /run/credentials/serial-getty@ttyS0.service
tmpfs           tmpfs     1.0M    0    1.0M   0% /run/credentials/systemd-journald.service
tmpfs           tmpfs     1.6G   9.1M   1.6G   1% /run
tmpfs           tmpfs     3.9G  212K   3.9G   1% /dev/shm
tmpfs           tmpfs     3.9G   4.0K   3.9G   1% /tmp
tmpfs           tmpfs     5.0M   16K   5.0M   1% /run/lock
tmpfs           tmpfs     783M   56K   783M   1% /run/user/0
tmpfs           tmpfs     783M   68K   782M   1% /run/user/1000
udev            devtmpfs  3.6G    0    3.6G   0% /dev
```

Add yourself privileged access

```
sudo su
nano /etc/sudoers.d/099_anton
```

```
anton ALL=(ALL:ALL) NOPASSWD: ALL
```

Verify (valuable is last command)

```
sudo -l -U anton
```

```
root@rnk1jump1:/home/anton# nano /etc/sudoers.d/099_anton
root@rnk1jump1:/home/anton# sudo -l -U anton
Matching Defaults entries for anton on rnk1jump1:
    env_reset, mail_badpass, secure_path=/usr/local/sbin\:/usr/local/bin\:/usr/sbin\:/usr/bin\:/sbin\:/bin,
    use_pty, env_keep+=NO_AT_BRIDGE, env_keep+=DPKG_DEB_THREADS_MAX, timestamp_type=global,
    env_keep+="http_proxy HTTP_PROXY", env_keep+="https_proxy HTTPS_PROXY", env_keep+="ftp_proxy FTP_PROXY",
    env_keep+=RSYNC_PROXY, env_keep+="no_proxy NO_PROXY"

User anton may run the following commands on rnk1jump1:
    (ALL : ALL) ALL
    (ALL : ALL) NOPASSWD: ALL
root@rnk1jump1:/home/anton# exit
exit
anton@rnk1jump1:~$ sudo su
root@rnk1jump1:/home/anton# id
uid=0(root) gid=0(root) groups=0(root)
root@rnk1jump1:/home/anton#
```

Install tmux (screen)

```
sudo su
apt install tmux

exit
```

```
tmux
```

```
sudo su
```

Install tools, utils

```
apt install \  
  tcpdump \  
  ncd u \  
  htop \  
  tcptraceroute
```

Update

```
apt update  
apt upgrade
```

Remove not essential

```
apt remove \  
  libcamera-ipa \  
  librpicam-app1 \  
  rpicam-apps-core
```

Is it worth to clean up for 8 MB? (need to search for memory consuming useless services.)

Summary:

Upgrading: 0, Installing: 0, Removing: 5, Not Upgrading: 0

Freed space: 9,299 kB

Reboot

```
shutdown -r now
```

rpi-connect

(installed during rpi-writer)

rustdesk

duckdns

icinga agent

Revision #9

Created 21 November 2025 12:29:41 by Anton

Updated 3 May 2026 08:59:39 by Anton