

第十二週

11127138 林雨臻

1. 新增 1 個帳號 ann。

```
[s11127138@localhost ~]$ sudo useradd ann
[sudo] password for s11127138:
[s11127138@localhost ~]$ cat /etc/passwd
root:x:0:0:root:/root:/bin/bash
```

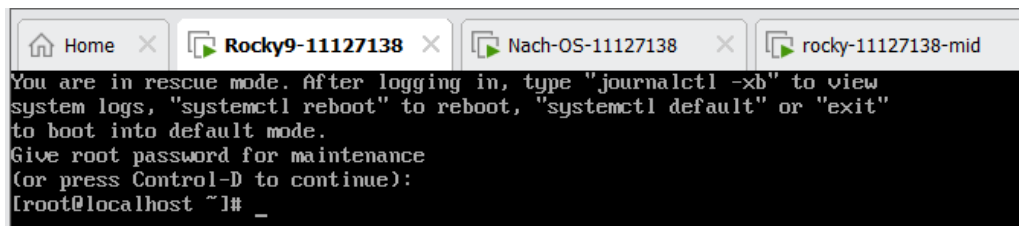
```
s11127138:x:1000:1000:s11127138:/home/s11127138:/bin/bash
tony:x:7000:3000::/tonyhome:/bin/bash
ann:x:7001:7001::/home/ann:/bin/bash
[s11127138@localhost ~]$
```

2. 設定 ann 可以在 /LV_1 (之前建的檔案系統) 上存 100 個檔案、容量可以使用 10MB。

```
[s11127138@localhost ~]$ sudo mount /dev/myVG/myVG200 /LV_1
[s11127138@localhost ~]$ sudo mount -o remount,usrquota /LV_1
[s11127138@localhost ~]$ mount -t ext4
/dev/mapper/mvVG-mvVG200 on /LV_1 type ext4 (rw,relatime,seclabel,quota,usrquota)
[s11127138@localhost ~]$ ls /LV_1
aquota.user  lost+found
[s11127138@localhost ~]$ sudo edquota ann
[s11127138@localhost ~]$ sudo quota -v ann
Disk quotas for user ann (uid 7001):
    Filesystem blocks      quota   limit   grace   files   quota   limit   grace
/dev/mapper/myVG-myVG200
                        0    10240   10240         0    100    100
```

3. 將系統重新開機進入 single user mode。

```
[s11127138@localhost ~]$ init 1
```



```
Home x Rocky9-11127138 x Nach-OS-11127138 x rocky-11127138-mid
You are in rescue mode. After logging in, type "journalctl -xb" to view
system logs, "systemctl reboot" to reboot, "systemctl default" or "exit"
to boot into default mode.
Give root password for maintenance
(or press Control-D to continue):
[root@localhost ~]#
```

4. 目前系統在 single user mode，請將系統切換進入 multi-user runlevel。

```
Rocky Linux 9.5 (Blue Onyx)
Kernel 5.14.0-503.15.1.el9_5.x86_64 on an x86_64

Activate the web console with: systemctl enable --now cockpit.socket

localhost login: s11127138
Password:
Last login: Sun Dec 15 00:38:48 on tty2
[s11127138@localhost ~]$ runlevel
1 3
[s11127138@localhost ~]$
```

5. 設定系統重新開機 boot loader 倒數秒數 30 秒。

```
s11127138@localhost:~ — nano /etc/default/grub
GNU nano 5.6.1 /etc/default/grub Modified
GRUB_TIMEOUT=30
GRUB_DISTRIBUTOR="$(sed 's, release .*$,,g' /etc/system-release)"
GRUB_DEFAULT=saved
GRUB_DISABLE_SUBMENU=true
GRUB_TERMINAL_OUTPUT="console"
GRUB_CMDLINE_LINUX="crashkernel=16-4G:192M,4G-64G:256M,64G-:512M resume=/dev/mapper/rh
GRUB_DISABLE_RECOVERY="true"
GRUB_ENABLE_BLSCFG=true
```

7. 列出目前網卡 ip 設定。

```
[s11127138@localhost ~]$ ip addr
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN group default qlen 1000
    link/loopback 00:00:00:00:00:00 brd 00:00:00:00:00:00
    inet 127.0.0.1/8 scope host lo
        valid_lft forever preferred_lft forever
    inet6 ::1/128 scope host
        valid_lft forever preferred_lft forever
2: ens160: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc mq state UP group default qlen 1000
    link/ether 00:0c:29:07:02:f4 brd ff:ff:ff:ff:ff:ff
    altname enp3s0
    inet 192.168.37.130/24 brd 192.168.37.255 scope global dynamic noprefixroute ens160
        valid_lft 903sec preferred_lft 903sec
    inet6 fe80::20c:29ff:fe07:2f4/64 scope link noprefixroute
        valid_lft forever preferred_lft forever
[s11127138@localhost ~]$
```

8. 測試到 www.google.com 網路通不通。

```
[s11127138@localhost ~]$ ping www.google.com
PING www.google.com (142.250.196.196) 56(84) bytes of data.
64 bytes from www.google.com (142.250.196.196): icmp_seq=1 ttl=128 time=18.4 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=2 ttl=128 time=18.7 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=3 ttl=128 time=18.3 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=4 ttl=128 time=18.7 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=5 ttl=128 time=18.7 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=6 ttl=128 time=19.4 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=7 ttl=128 time=19.0 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=8 ttl=128 time=18.9 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=9 ttl=128 time=19.2 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=10 ttl=128 time=19.6 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=11 ttl=128 time=20.1 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=12 ttl=128 time=20.0 ms
64 bytes from www.google.com (142.250.196.196): icmp_seq=13 ttl=128 time=19.9 ms
^C
--- www.google.com ping statistics ---
13 packets transmitted, 13 received, 0% packet loss, time 12017ms
rtt min/avg/max/mdev = 18.312/19.139/20.117/0.588 ms
[s11127138@localhost ~]$
```