第十週 11127138 林雨臻

1. 新增一個 group 名為 ICE, group id 為 3000。

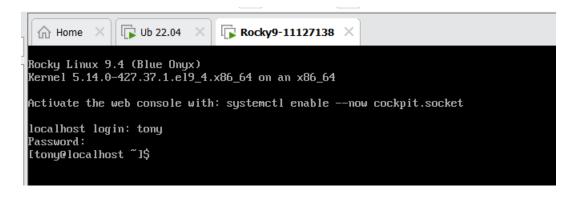
```
[s11127138@localhost ~]$ sudo groupadd -g 3000 ICE
[sudo] password for s11127138:
[s11127138@localhost ~]$ tail /etc/group
setroubleshoot:x:983:
gdm:x:42:
gnome-initial-setup:x:982:
sshd:x:74:
slocate:x:21:
chrony:x:981:
dnsmasq:x:980:
tcpdump:x:72:
s11127138:x:1000:
ICE:x:3000:
[s11127138@localhost ~]$
```

2. 新增一個使用者帳號名為 tony, user id 為 5000, group 為 ICE, home directory 在 /tonyhome。

```
[s11127138@localhost ~]$ sudo useradd -u 5000 -g ICE -d /tonyhome tony
[s11127138@localhost ~]$ tail /etc/passwd
clevis:x:985:984:Clevis Decryption Framework unprivileged user:/var/cache/clevis:/usr/sbin/nolog
in
setroubleshoot:x:984:983:SELinux troubleshoot server:/var/lib/setroubleshoot:/usr/sbin/nologin
gdm:x:42:42::/var/lib/gdm:/sbin/nologin
gnome-initial-setup:x:983:982::/run/gnome-initial-setup/:/sbin/nologin
sshd:x:74:74:Privilege-separated SSH:/usr/share/empty.sshd:/usr/sbin/nologin
chrony:x:982:981:chrony system user:/var/lib/chrony:/sbin/nologin
dnsmasq:x:981:980:Dnsmasq DHCP and DNS server:/var/lib/dnsmasq:/usr/sbin/nologin
tcpdump:x:72:72::/:/sbin/nologin
s11127138:x:1000:1000:s11127138:/home/s11127138:/bin/bash
tony:x:5000:3000::/tonyhome:/bin/bash
[s11127138@localhost ~]$
```

3. 設定 tony 密碼,使用 tony 登入 text tty。

```
[s11127138@localhost ~]$ sudo passwd tony
Changing password for user tony.
New password:
BAD PASSWORD: The password contains the user name in some form
Retype new password:
passwd: all authentication tokens updated successfully.
[s11127138@localhost ~]$
```



4. 設定 tony 90 天要改一次密碼,帳號使用期限到 2024/12/31。

-E, --expiredate EXPIRE DATE Set the date or number of days since January 1, 1970 on which the user's account will no longer be accessible. The date may also be expressed in the format YYYY-MM-DD (or the format more commonly used in your area). A user whose account is locked must contact the system administrator before being able to use the system again. For example the following can be used to set an account to expire in 180 days: chage -E \$(date -d +180days +%Y-%m-%d) Passing the number -1 as the EXPIRE DATE will remove an account expiration date. -m, --mindays MIN DAYS Set the minimum number of days between password changes to MIN DAYS. A value of zero for this field indicates that the user may change their password at any time.

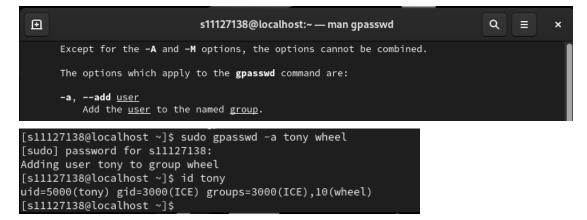
-M. --maxdavs MAX DAYS

Set the maximum number of days during which a password is valid. When MAX DAYS plus LAST DAY is less than the current day, the user will be required to change their password before being able to use their account. This occurrence can be planned for in advance by use of the -W option, which provides the user with advance warning.

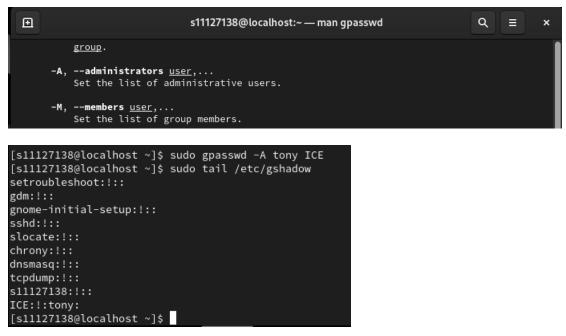
Passing the number $\underline{-1}$ as $\underline{MAX\ DAYS}$ will remove checking a password's validity.

```
[s11127138@localhost ~]$ sudo chage -l tony
 [sudo] password for s11127138:
 Last password change
                                                         : Nov 28, 2024
 Password expires
                                                         : never
Password inactive
                                                         : never
Account expires
                                                         : never
Minimum number of days between password change
                                                         : 0
Maximum number of days between password change
                                                         : 99999
 Number of days of warning before password expires
[s11127138@localhost ~]$ sudo chage -M 90 -E 2021-12-31 tony
[s11127138@localhost ~]$ sudo chage -l tony
Last password change
                                                         : Nov 28, 2024
Password expires
                                                         : Feb 26, 2025
Password inactive
                                                         : never
Account expires
                                                         : Dec 31, 2021
Minimum number of days between password change
                                                         : 0
Maximum number of days between password change
                                                         : 90
Number of days of warning_before password expires
[s11127138@localhost ~]$
```

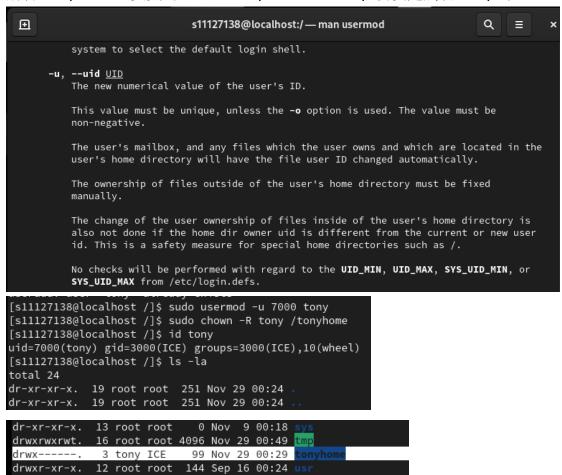
5. 設定 tony 為 wheel 群組成員。



6. 設定 tony 為 ICE 群組的管理員,可以增刪 ICE 群組成員。



7. 請將 tony user id 變更為 7000, tony home directory 仍要是屬於 tony 的。



drwxr-xr-x. 20 root root 4096 Sep 16 00:39 var

[s11127138@localhost /]\$