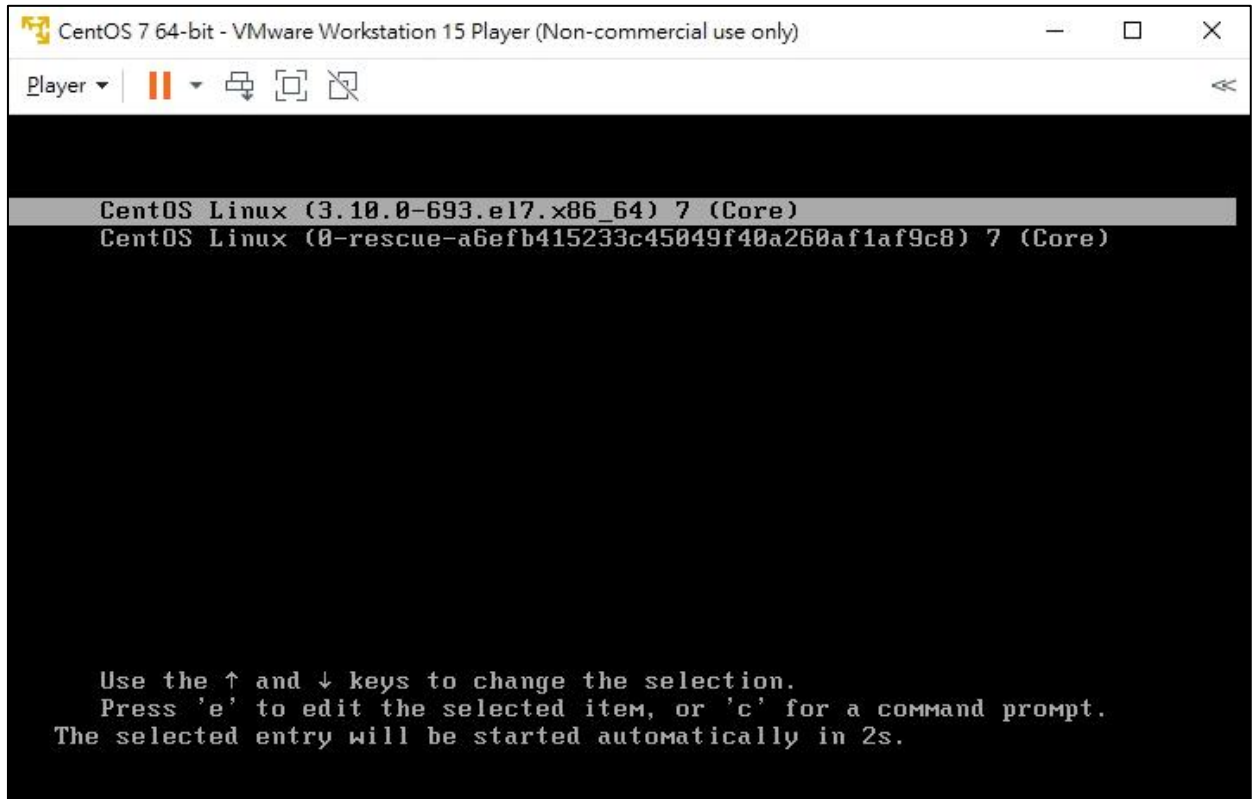
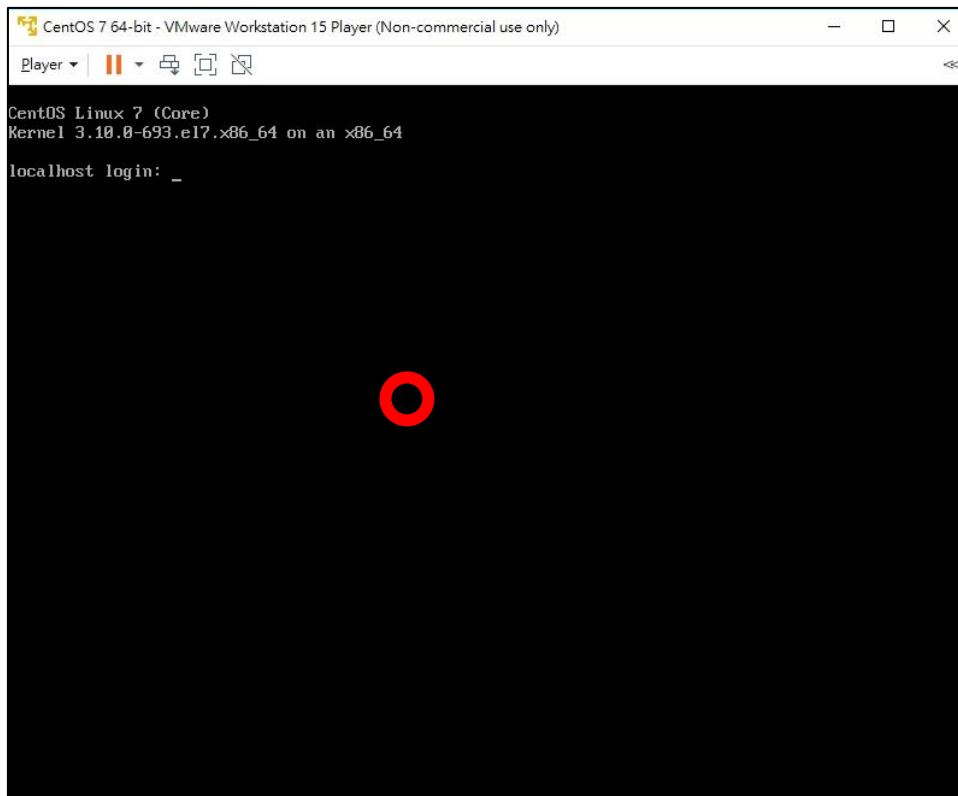


設定 CentOS7 虛擬網路

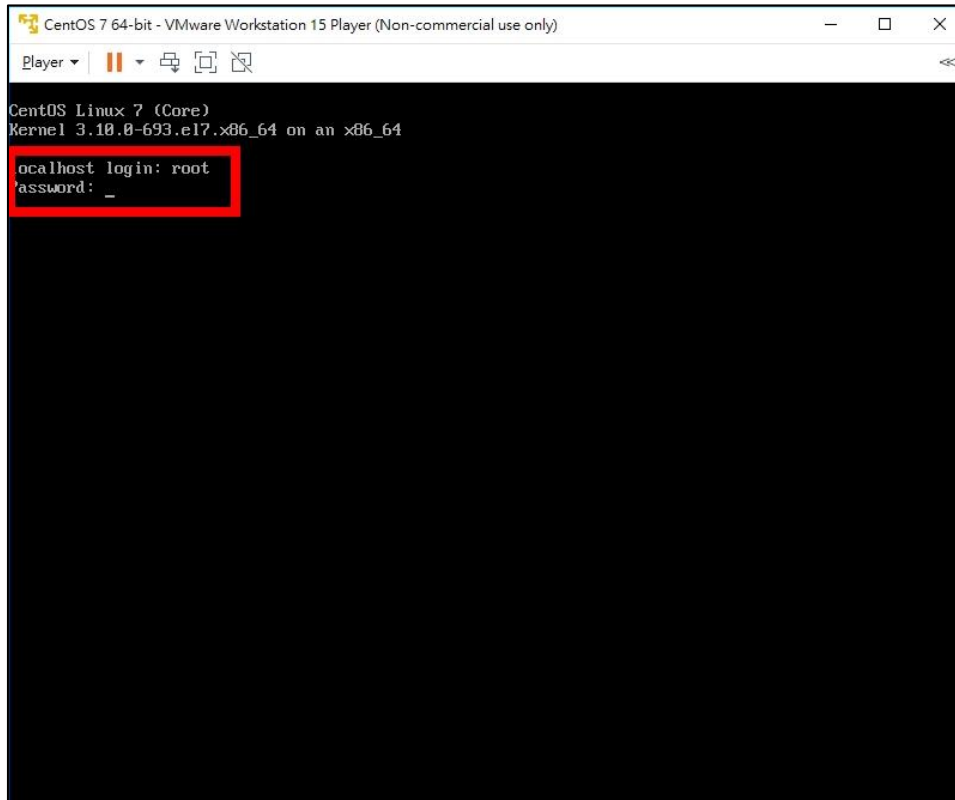
1. CentOS 7 64-bit 開機



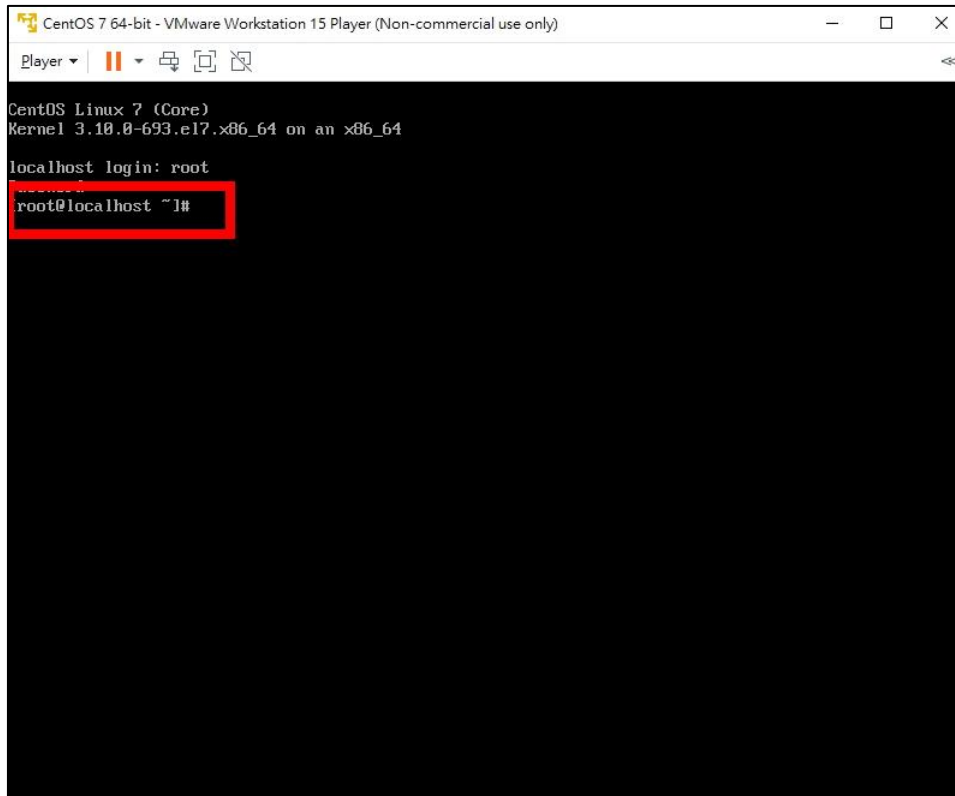
2. 開機完成，進入登入畫面 點虛擬螢幕任一位置進入控制螢幕



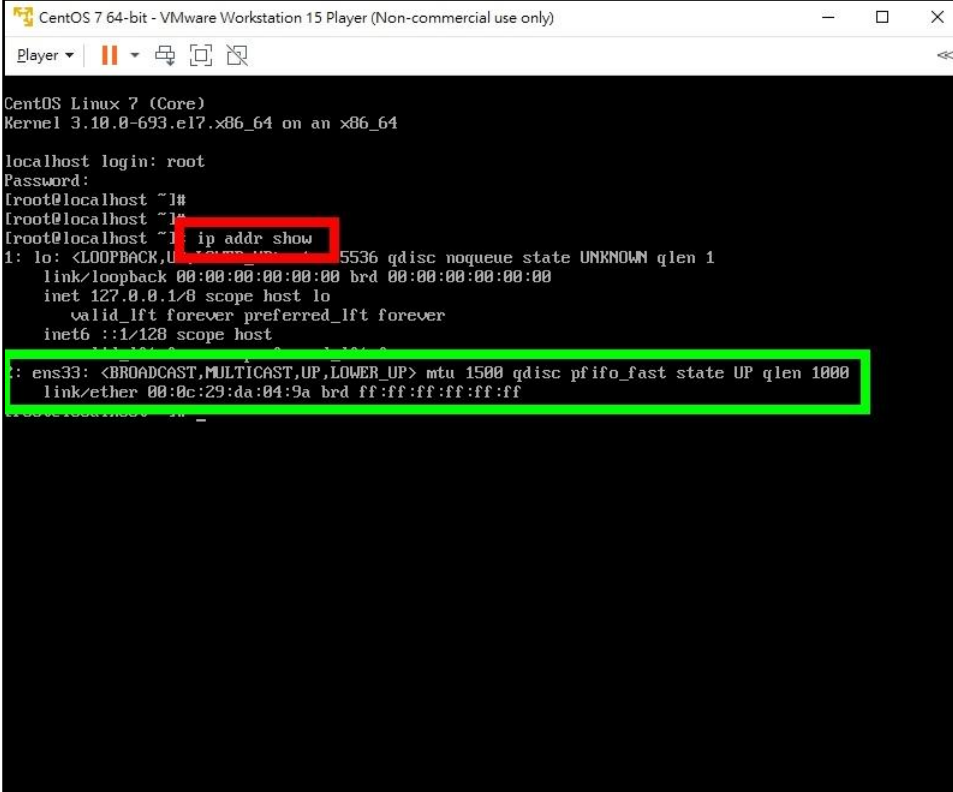
3. 輸入帳號「root」、密碼「Centos12#」



4. 完成登入，可看到命令提示符號「#」，表示是 root 身份



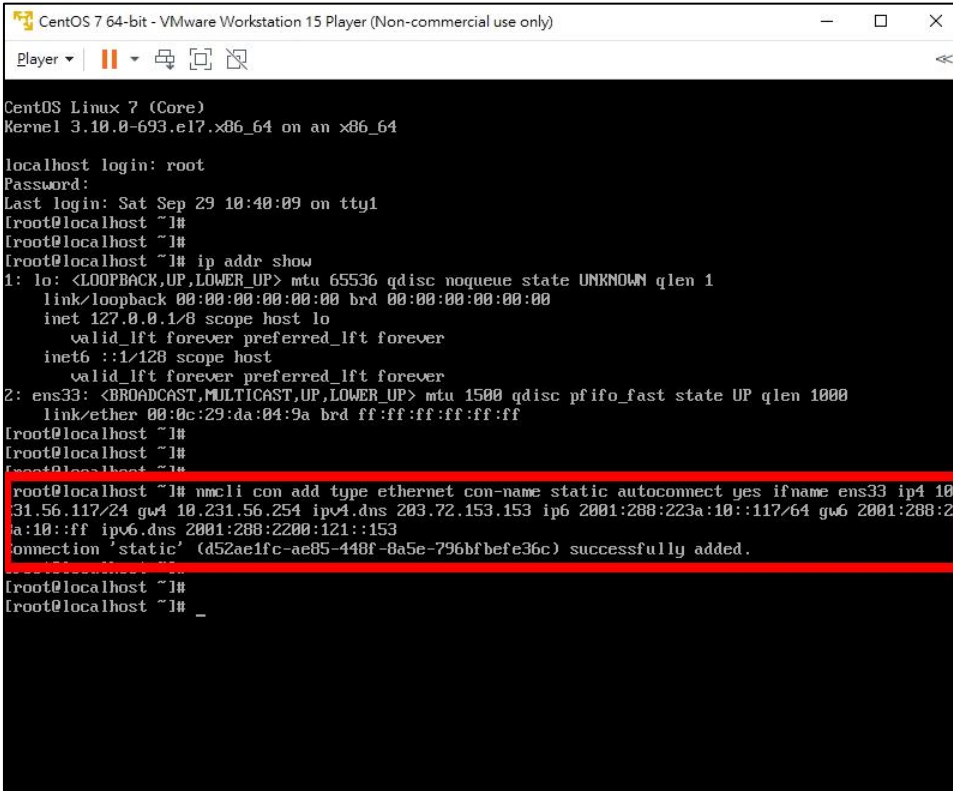
5. 輸入指令「ip addr show」，查看現在的網路 IP 設定，無任何 IP



```
CentOS Linux 7 (Core)
Kernel 3.10.0-693.el7.x86_64 on an x86_64

localhost login: root
Password:
root@localhost ~#
root@localhost ~# ip addr show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1
    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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP qlen 1000
    link/ether 08:0c:29:da:04:9a brd ff:ff:ff:ff:ff:ff
```

6. 輸入指令「nmcli con add type ethernet con-name static autoconnect yes ifname ens33 ip4 10.231.56.xxx/24 gw4 10.231.56.254 ipv4.dns 203.72.153.153 ip6 2001:288:223a:10::xxx/64 gw6 2001:288:223a:10::ff ipv6.dns 2001:288:2200:121::153」
(藍色處請變更為獲得配發的 IP 位址)



```
CentOS Linux 7 (Core)
Kernel 3.10.0-693.el7.x86_64 on an x86_64

localhost login: root
Password:
Last login: Sat Sep 29 10:40:09 on tty1
root@localhost ~#
root@localhost ~# ip addr show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1
    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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP qlen 1000
    link/ether 08:0c:29:da:04:9a brd ff:ff:ff:ff:ff:ff
root@localhost ~#
root@localhost ~# nmcli con add type ethernet con-name static autoconnect yes ifname ens33 ip4 10.231.56.117/24 gw4 10.231.56.254 ipv4.dns 203.72.153.153 ip6 2001:288:223a:10::117/64 gw6 2001:288:223a:10::ff ipv6.dns 2001:288:2200:121::153 connection 'static' (d52ae1fc-ae85-448f-8a5e-796bfef36c) successfully added.
root@localhost ~#
root@localhost ~#
```

7. 輸入指令「nmcli con up static」啟用剛建立的 ststic 網路設定檔

```
CentOS Linux 7 (Core)
Kernel 3.10.0-693.el7.x86_64 on an x86_64

localhost login: root
Password:
Last login: Sat Sep 29 10:40:09 on tty1
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# ip addr show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1
    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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP qlen 1000
    link/ether 00:0c:29:da:04:9a brd ff:ff:ff:ff:ff:ff
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# nmcli con add type ethernet con-name static autocconnect yes ifname ens33 ip4 10.231.56.117/24 gw4 10.231.56.254 ipv4.dns 203.72.153.153 ip6 2001:288:223a:10::117/64 gw6 2001:288:223a:10::ff ipv6.dns 2001:288:2200:121::153
Connection 'static' (d52aef1c-ae85-448f-8a5e-796bfbef36c) successfully added.
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# nmcli con up static
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/9)
[root@localhost ~]#
[root@localhost ~]#
```

8. 輸入指令「ping -c4 www.google.com」測試 IPv4 及 DNS 連線正常

```
CentOS Linux 7 (Core)
Kernel 3.10.0-693.el7.x86_64 on an x86_64

localhost login: root
Password:
Last login: Sat Sep 29 10:40:09 on tty1
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# ip addr show
1: lo: <LOOPBACK,UP,LOWER_UP> mtu 65536 qdisc noqueue state UNKNOWN qlen 1
    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: ens33: <BROADCAST,MULTICAST,UP,LOWER_UP> mtu 1500 qdisc pfifo_fast state UP qlen 1000
    link/ether 00:0c:29:da:04:9a brd ff:ff:ff:ff:ff:ff
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# nmcli con add type ethernet con-name static autocconnect yes ifname ens33 ip4 10.231.56.117/24 gw4 10.231.56.254 ipv4.dns 203.72.153.153 ip6 2001:288:223a:10::117/64 gw6 2001:288:223a:10::ff ipv6.dns 2001:288:2200:121::153
Connection 'static' (d52aef1c-ae85-448f-8a5e-796bfbef36c) successfully added.
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# nmcli con up static
Connection successfully activated (D-Bus active path: /org/freedesktop/NetworkManager/ActiveConnection/9)
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]# ping -c4 www.google.com
PING www.google.com (108.177.97.103): 64 bytes of data:
64 bytes from tm-in-f103.1e100.net (108.177.97.103): icmp_seq=1 ttl=43 time=9.10 ms
64 bytes from tm-in-f103.1e100.net (108.177.97.103): icmp_seq=2 ttl=43 time=8.85 ms
64 bytes from tm-in-f103.1e100.net (108.177.97.103): icmp_seq=3 ttl=43 time=9.35 ms
64 bytes from tm-in-f103.1e100.net (108.177.97.103): icmp_seq=4 ttl=43 time=9.26 ms

--- www.google.com ping statistics ---
4 packets transmitted, 4 received, 0% packet loss, time 3006ms
rtt min/avg/max/mdev = 8.859/9.146/9.356/0.211 ms
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
[root@localhost ~]#
```

