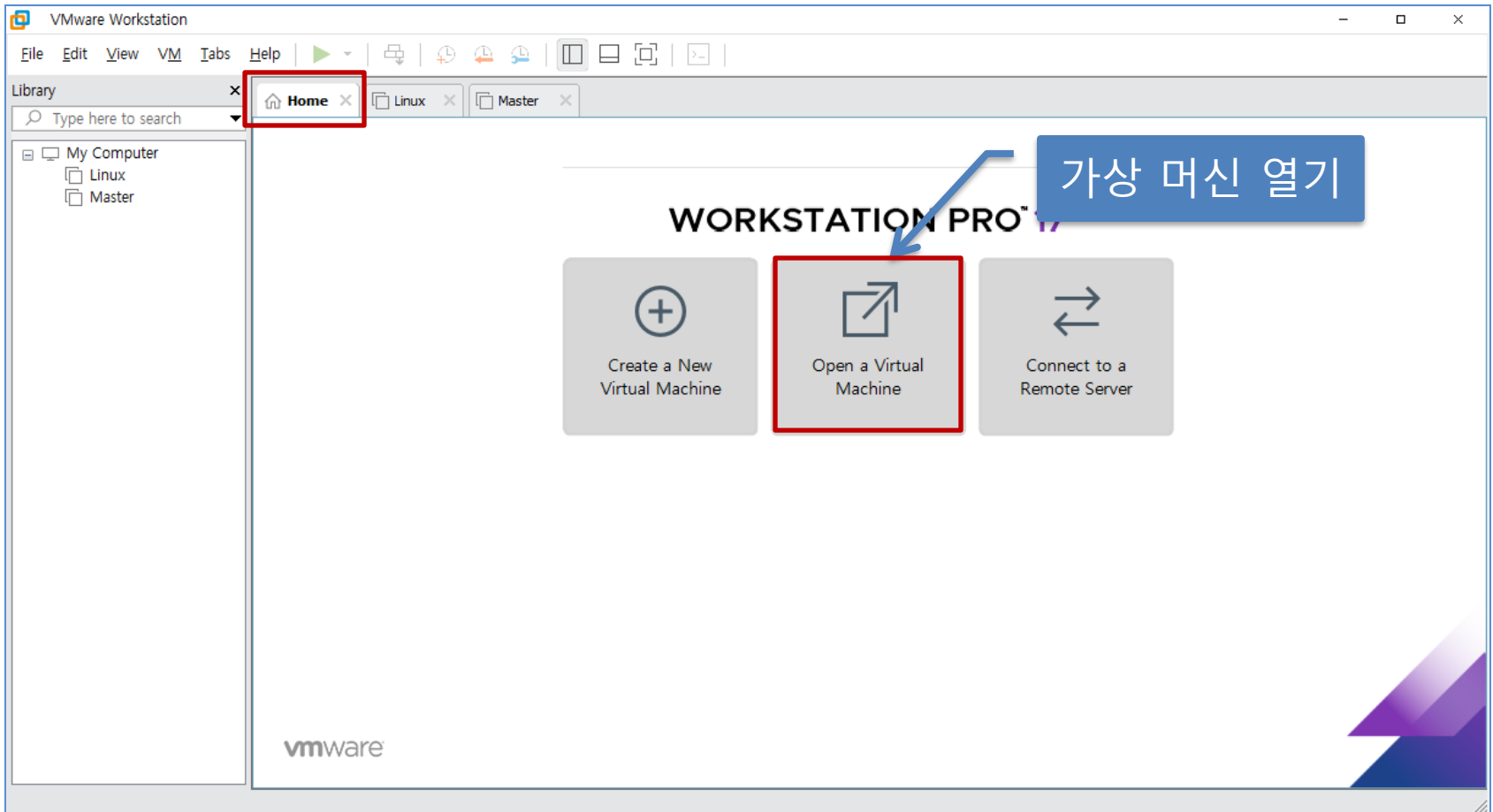


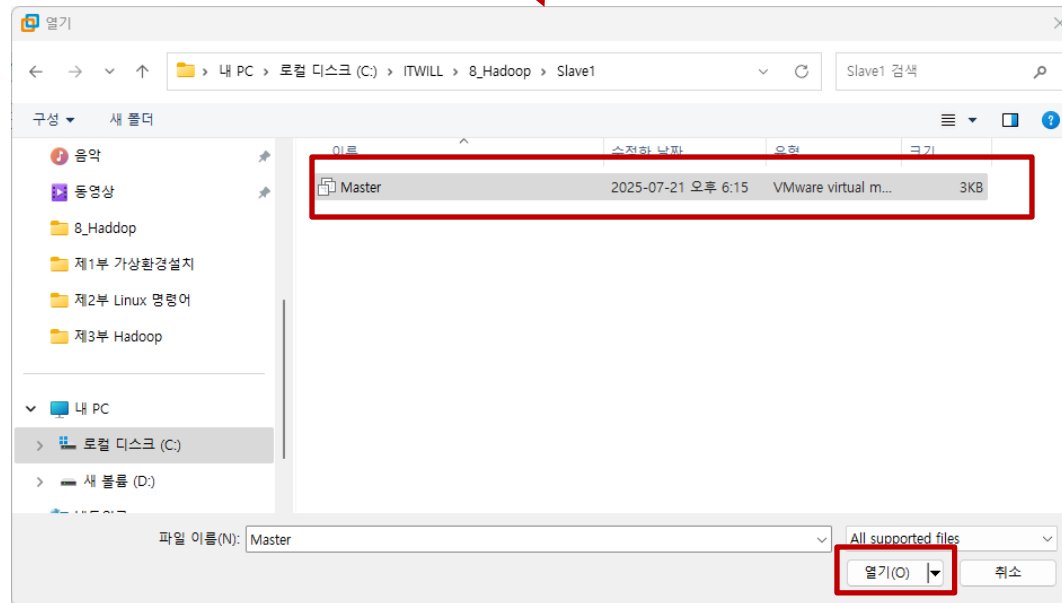
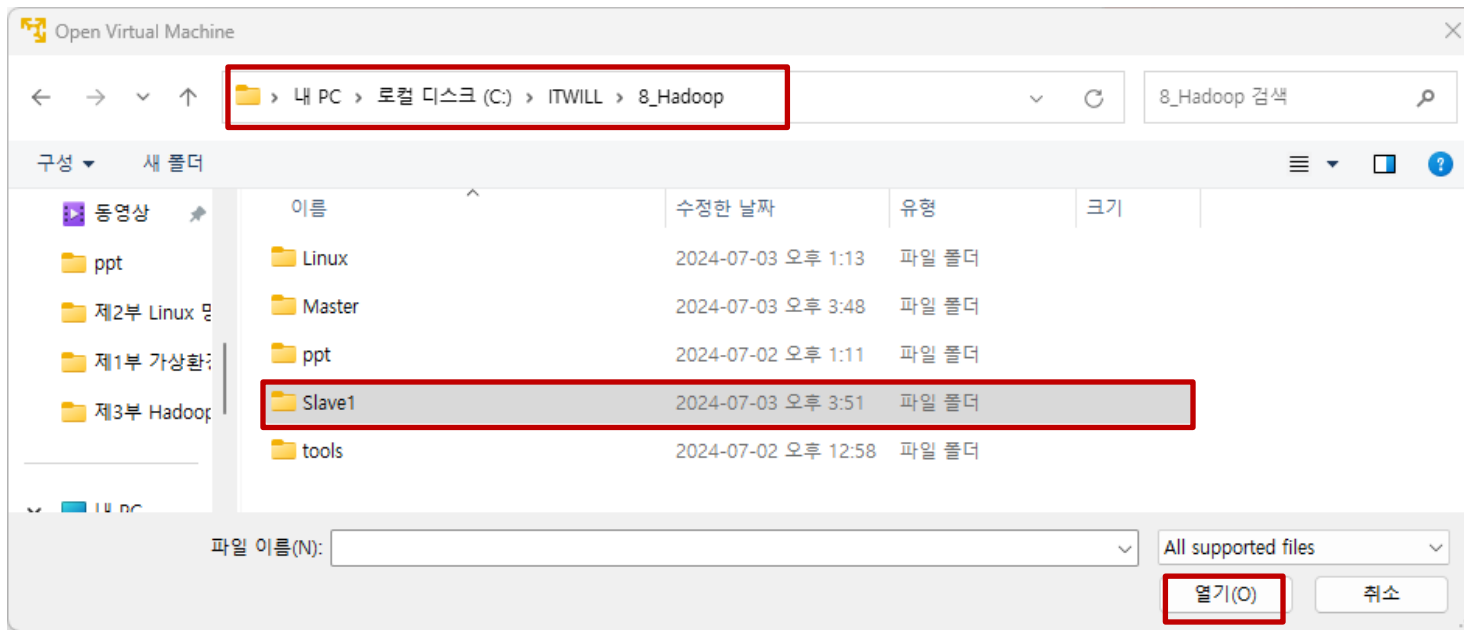
2. Slave 서버 설정

목 차

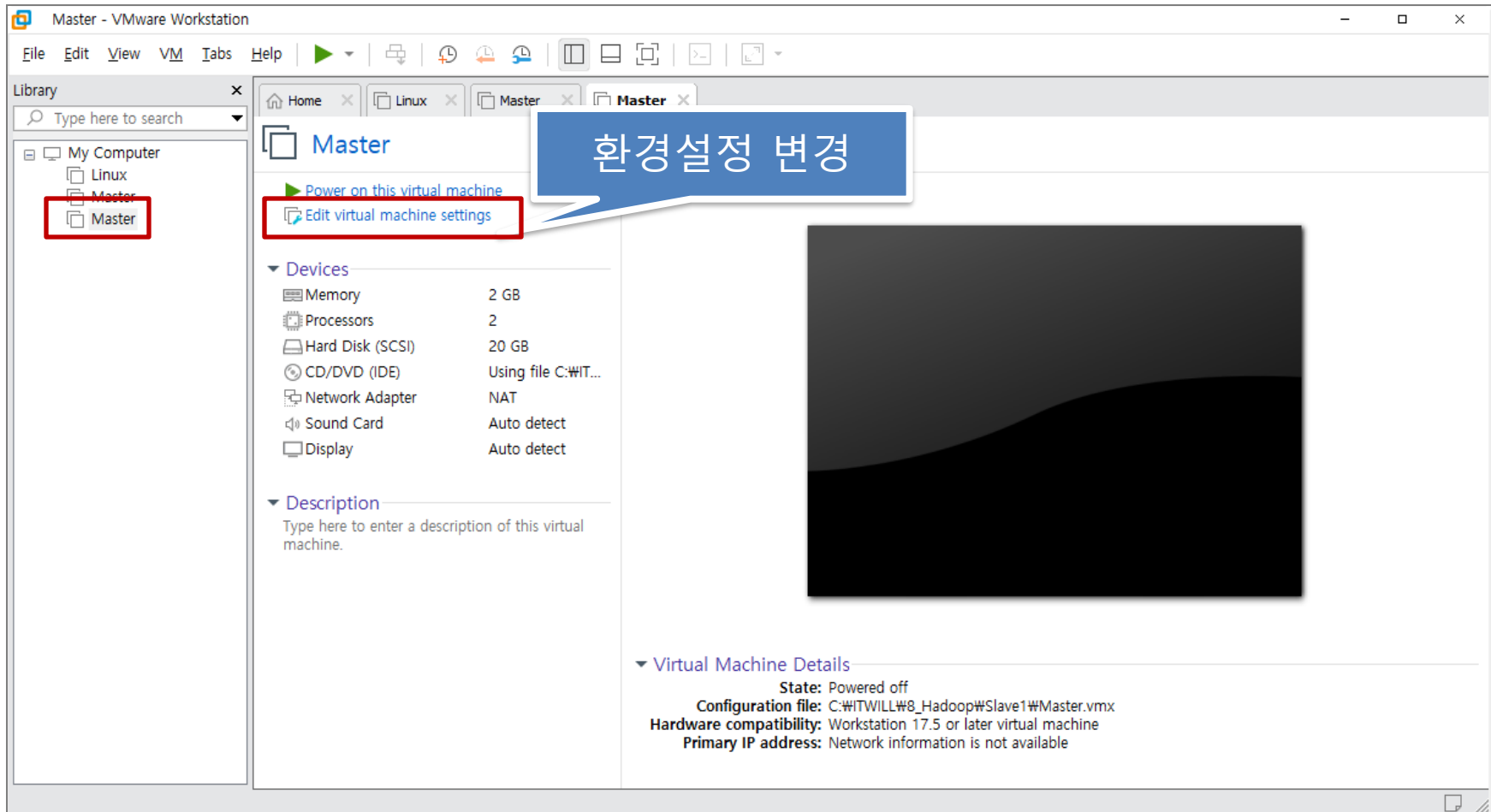
- 1) Slave 가져오기
- 2) Slave 이름 변경
- 3) MAC 주소 생성
- 4) 가상 머신 실행
- 5) Hostname 변경
- 6) Network 변경
- 7) Host 설정 확인
- 8) Master/Slave 상호 서버 접속

1) Slave 가져오기

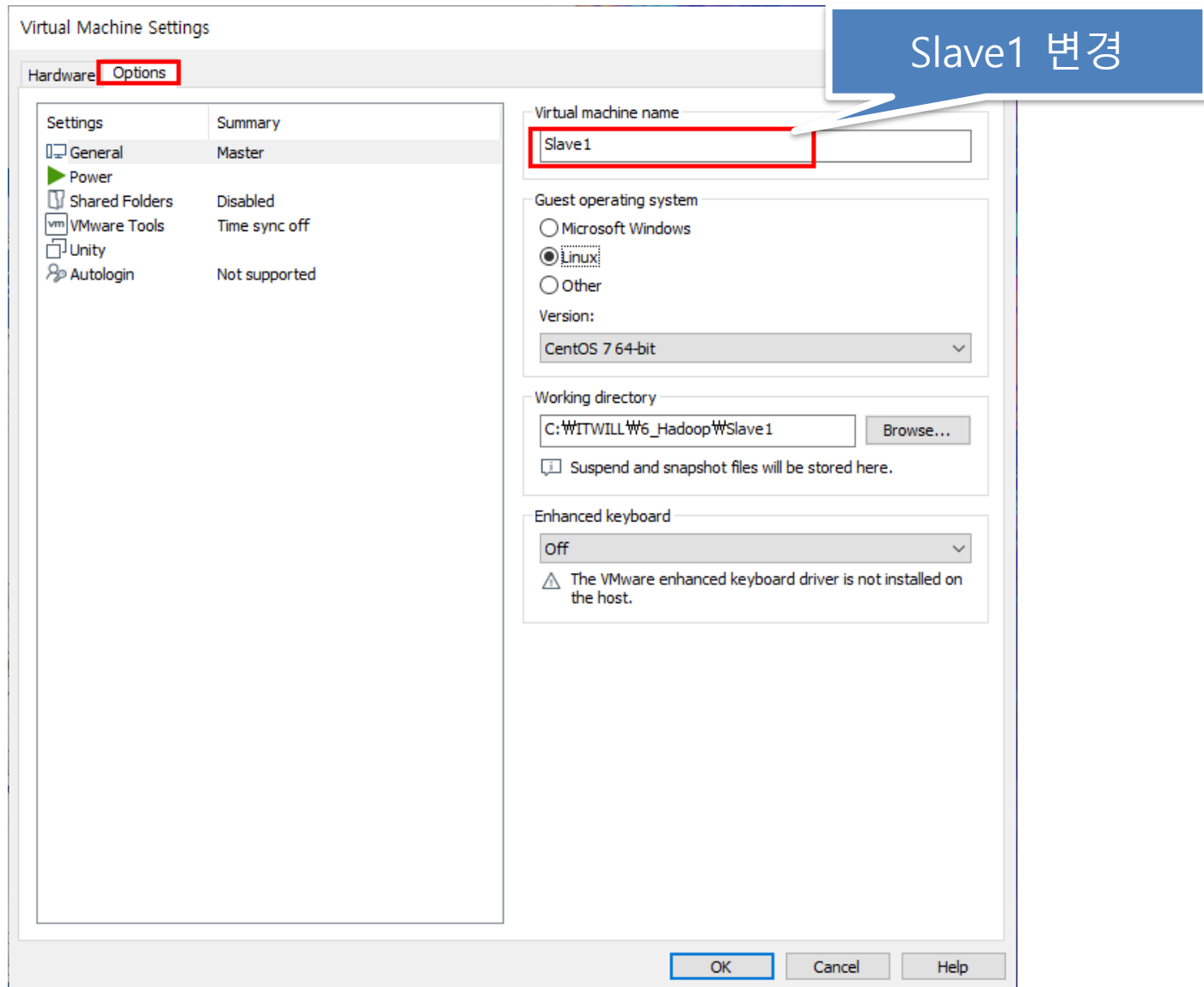




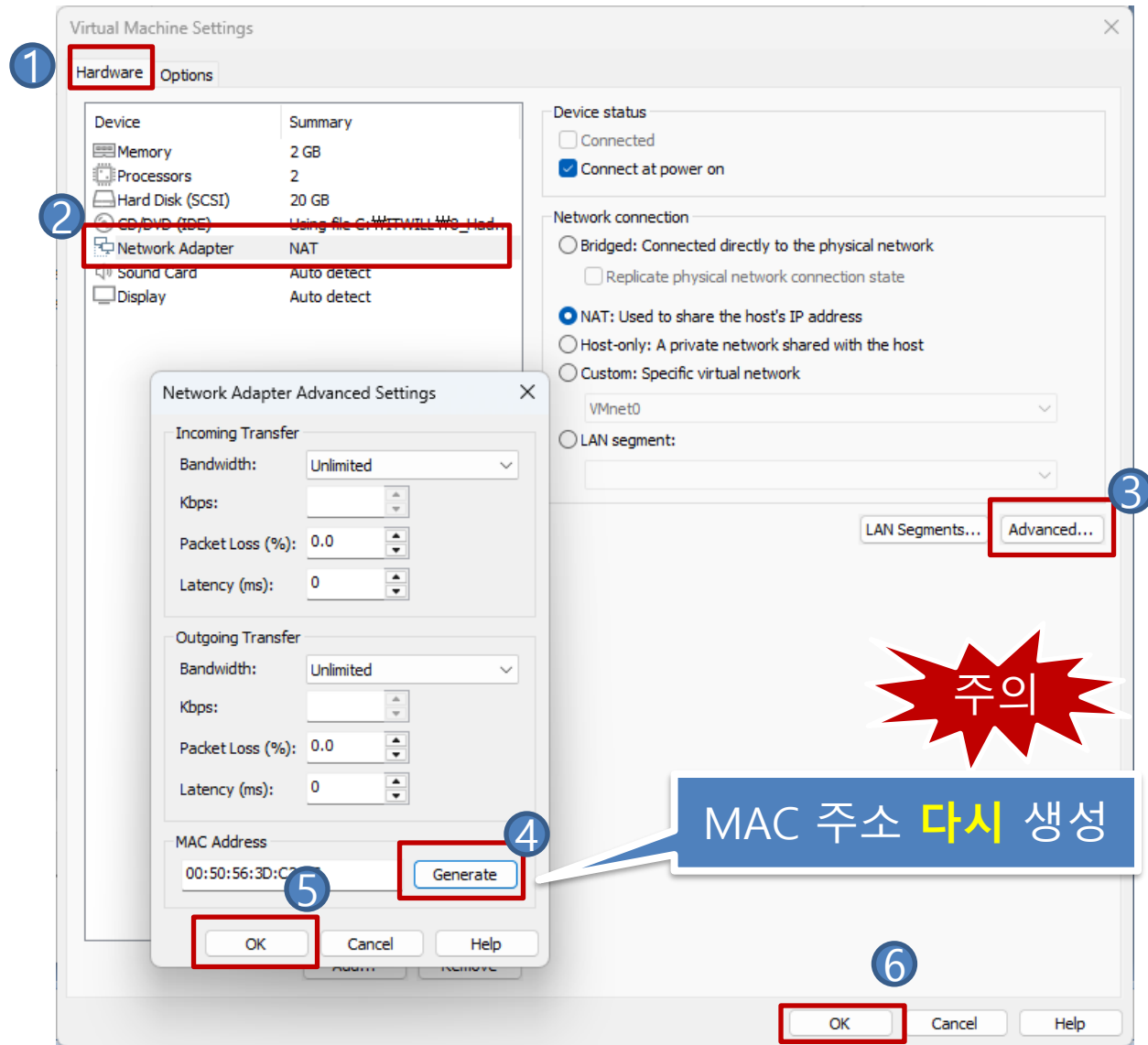
2) Slave 환경설정 변경



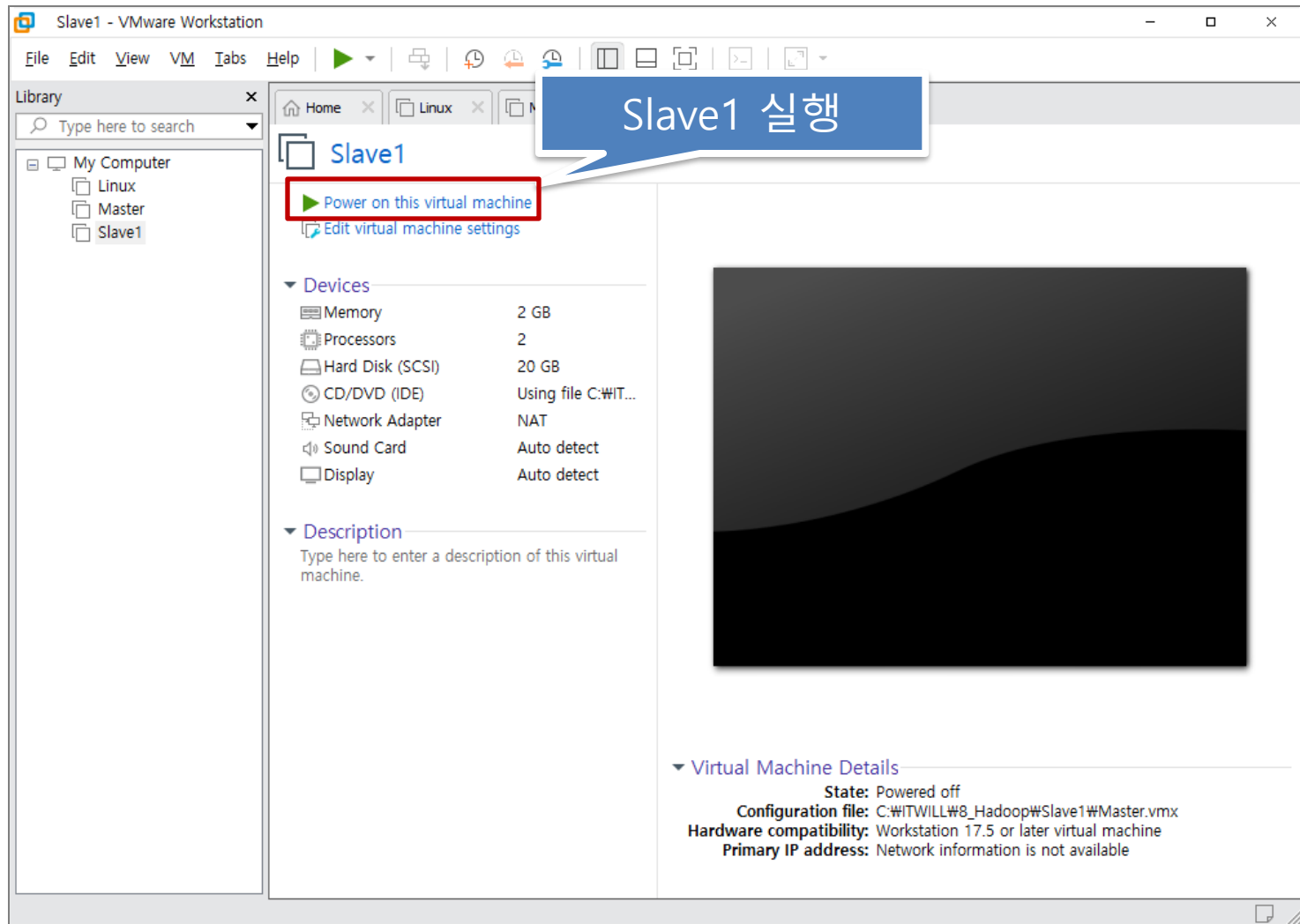
● 가상머신 이름 변경



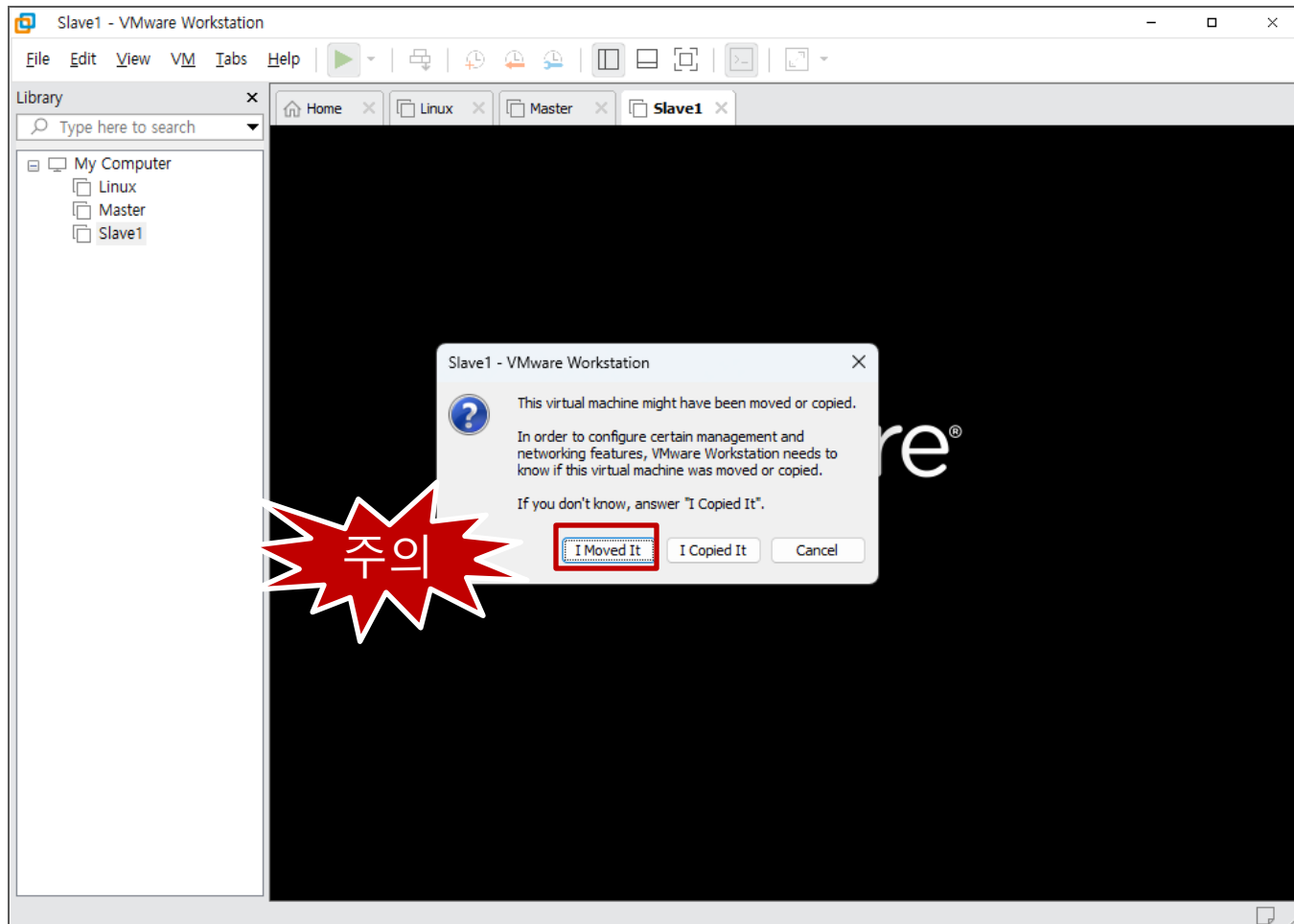
3) MAC 주소 갱신



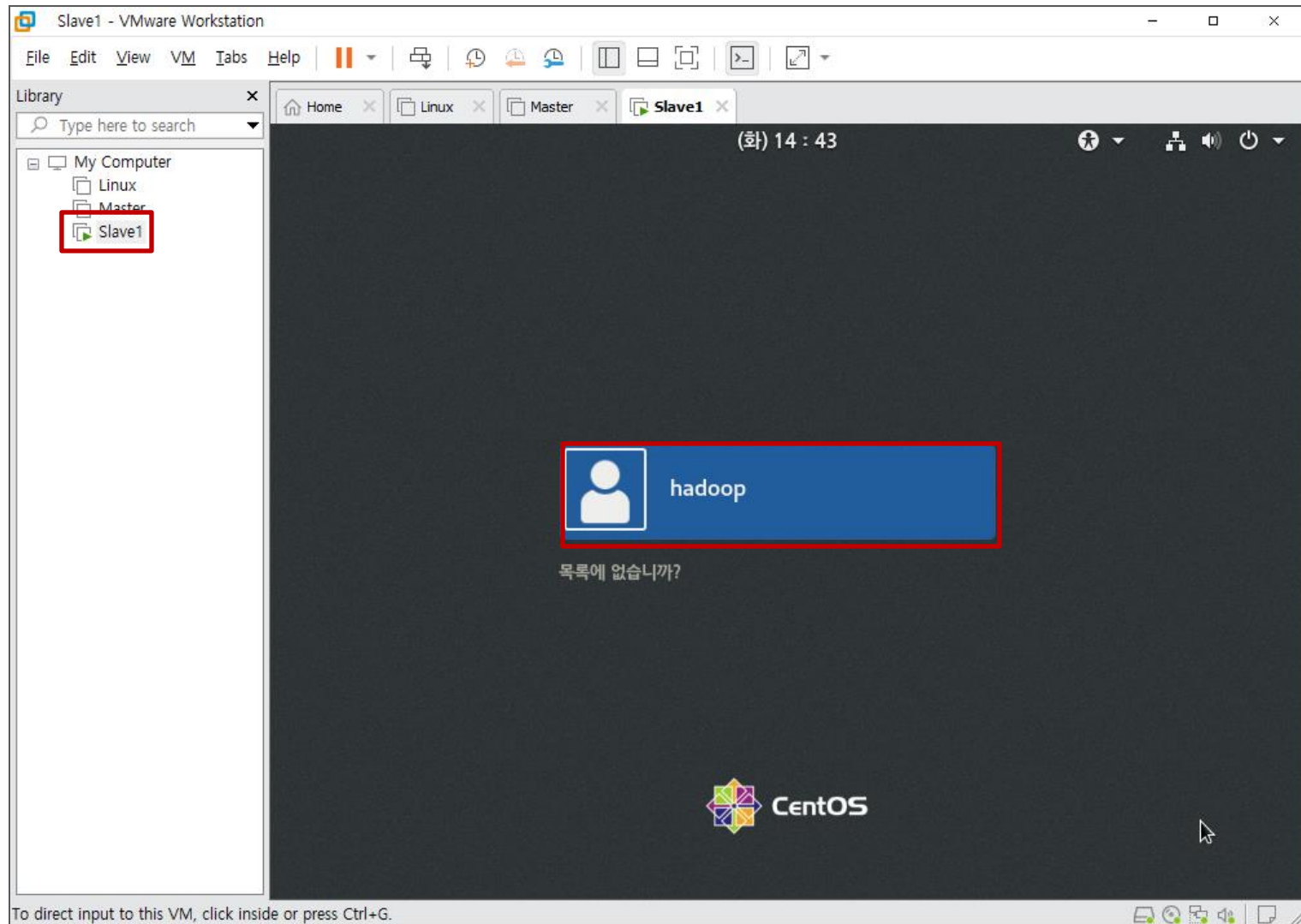
4) 가상 머신 실행



● I Moved It : 원래 있던 곳에서는 **없어지고**, 새로운 위치로 이동



● Slave1 가상머신 로그인



5) Hostname 변경

```
Slave1 - VMware Workstation 15 Player (Non-commercial use only)
Player | [Icons] | ko (월) 16 : 10
프로그램 위치 터미널

[had]
파일(F) 편집(E) 보기(V) 검색(S) 터미널(T) 도움말(H)

[hadoop@master ~]$ su root
암호:
[root@master hadoop]#
[root@master hadoop]#
[root@master hadoop]# hostnamectl set-hostname slave1
[root@master hadoop]#
[root@master hadoop]# hostname
slave1
[root@master hadoop]#
[root@master hadoop]#
```

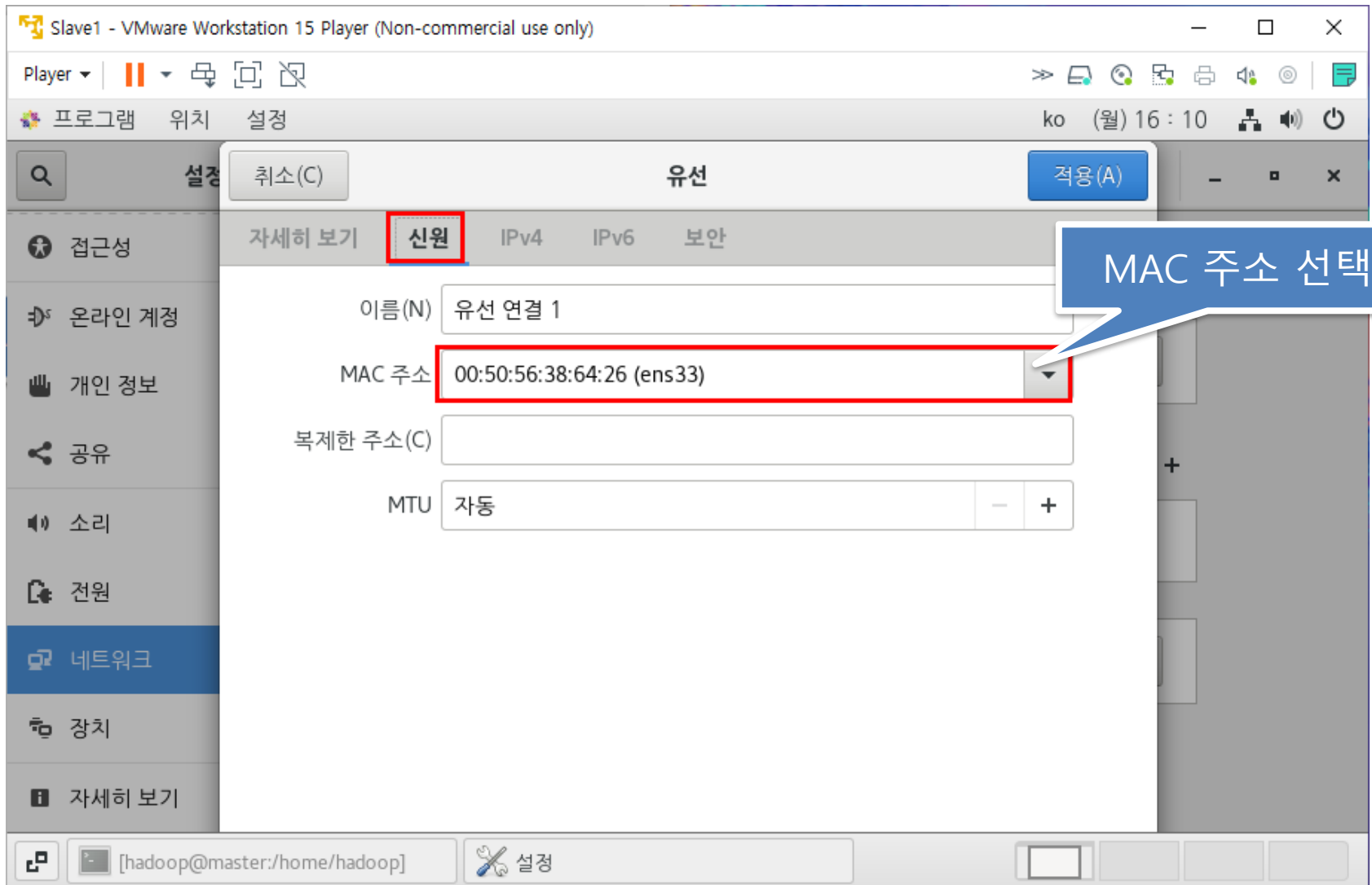
관리자 모드

서버 이름 변경

서버 이름 확인

hadoop@master:/home/hadoop

6) Network 변경



메모장 내용 참고

ip table - Windows 메모장

파일(F) 편집(E) 서식(O) 보기(V) 도움말(H)

IP4 : 172.16.57.129 -> 실제 Linux IP 주소

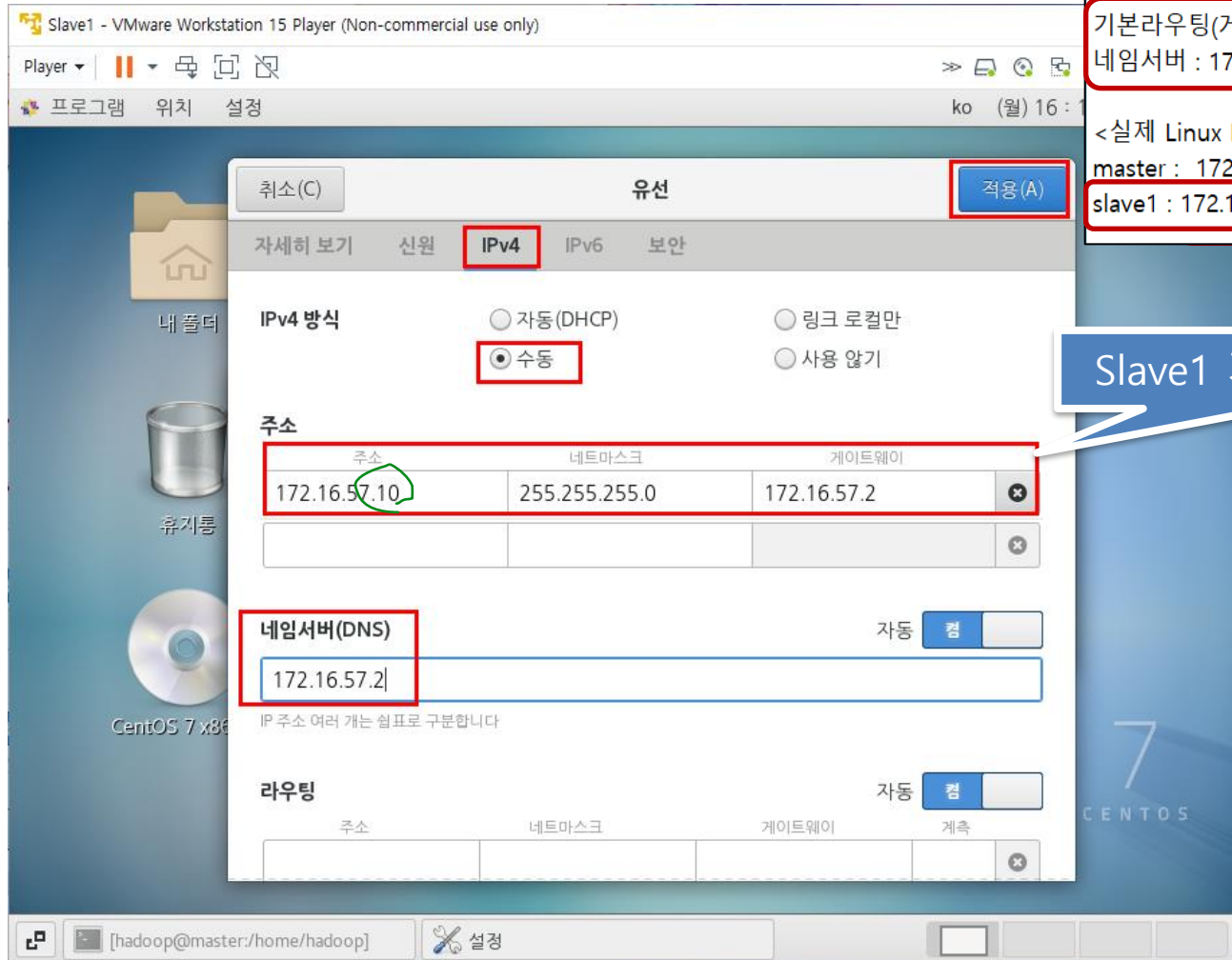
기본라우팅(게이트웨이) : 172.16.57.2

네임서버 : 172.16.57.2

<실제 Linux IP 주소 이용>

master : 172.16.57.5 -> master server ip

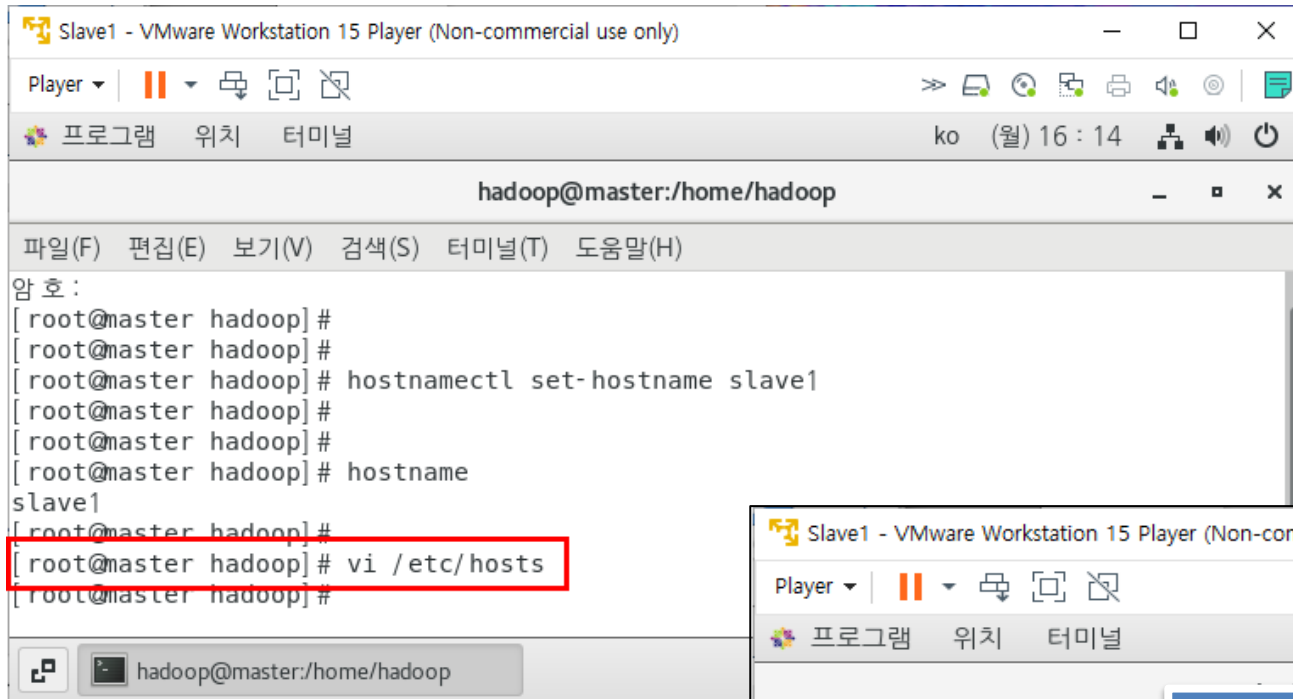
slave1 : 172.16.57.10 -> slave1 server ip



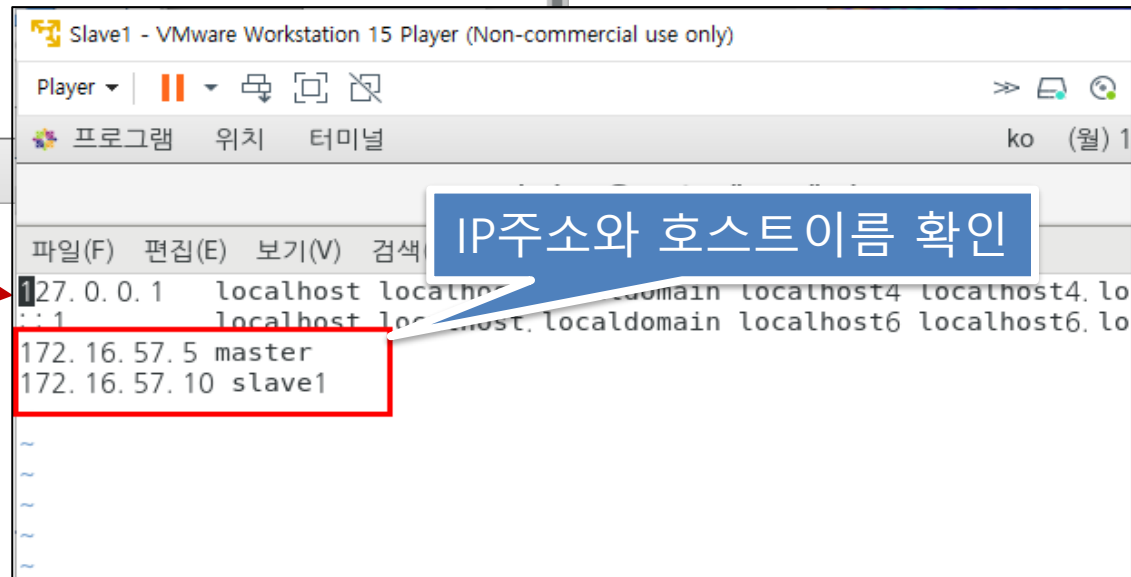
Slave1 가상 IP주소 지정

자신의
내용으로
수정

7) hosts 설정 확인



```
Slave1 - VMware Workstation 15 Player (Non-commercial use only)
Player | || | | |
프로그램 위치 터미널 ko (월) 16 : 14
hadoop@master:/home/hadoop
파일(F) 편집(E) 보기(V) 검색(S) 터미널(T) 도움말(H)
암호:
[root@master hadoop]#
[root@master hadoop]#
[root@master hadoop]# hostnamectl set-hostname slave1
[root@master hadoop]#
[root@master hadoop]# hostname
slave1
[root@master hadoop]#
[root@master hadoop]# vi /etc/hosts
[root@master hadoop]#
```



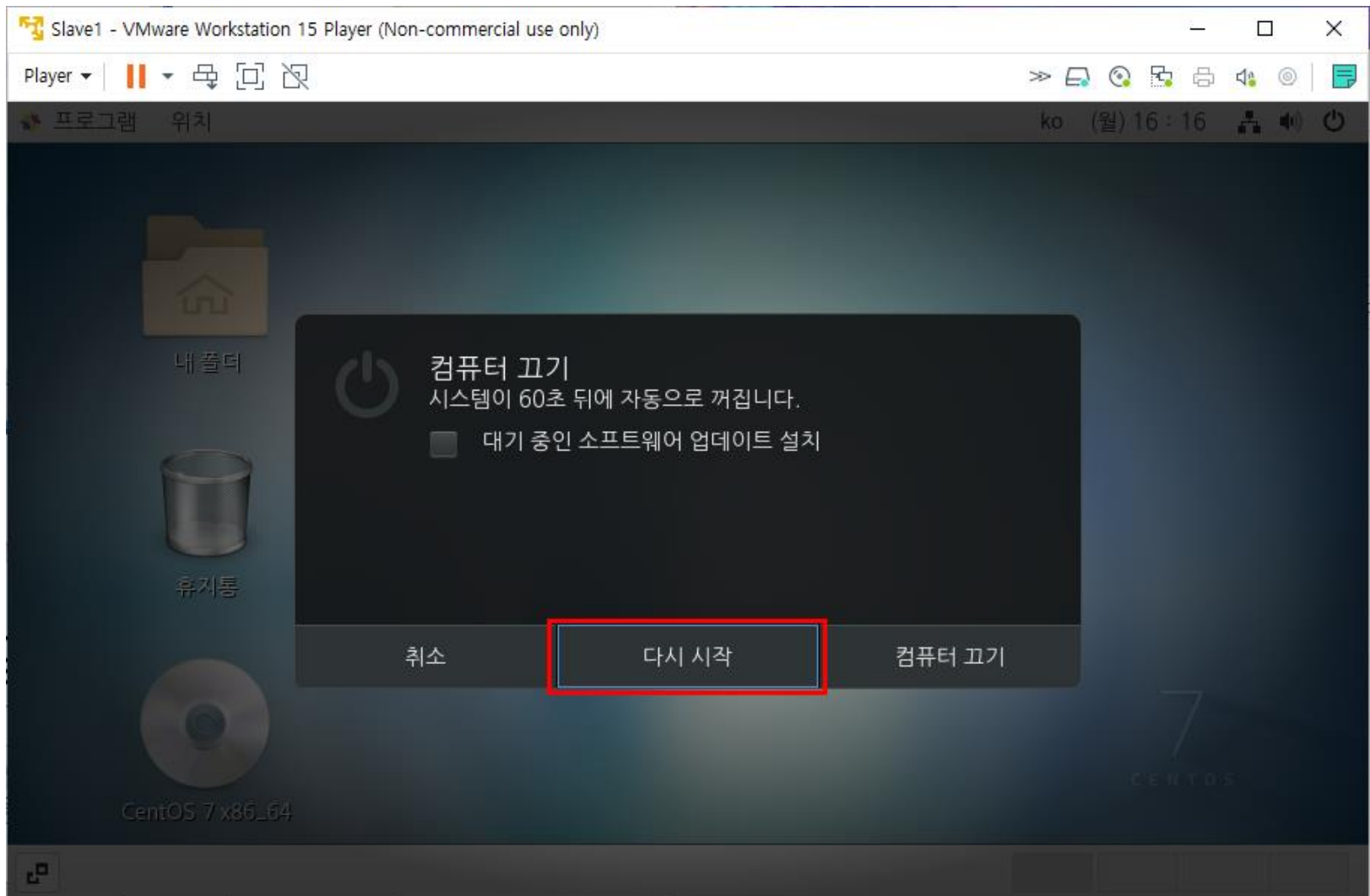
```
Slave1 - VMware Workstation 15 Player (Non-commercial use only)
Player | || | | |
프로그램 위치 터미널 ko (월) 1
파일(F) 편집(E) 보기(V) 검색
127.0.0.1 localhost localhost.localdomain localhost4 localhost4.localdomain4
::1 localhost localhost.localdomain localhost6 localhost6.localdomain6
172.16.57.5 master
172.16.57.10 slave1
~
~
~
```

IP주소와 호스트이름 확인

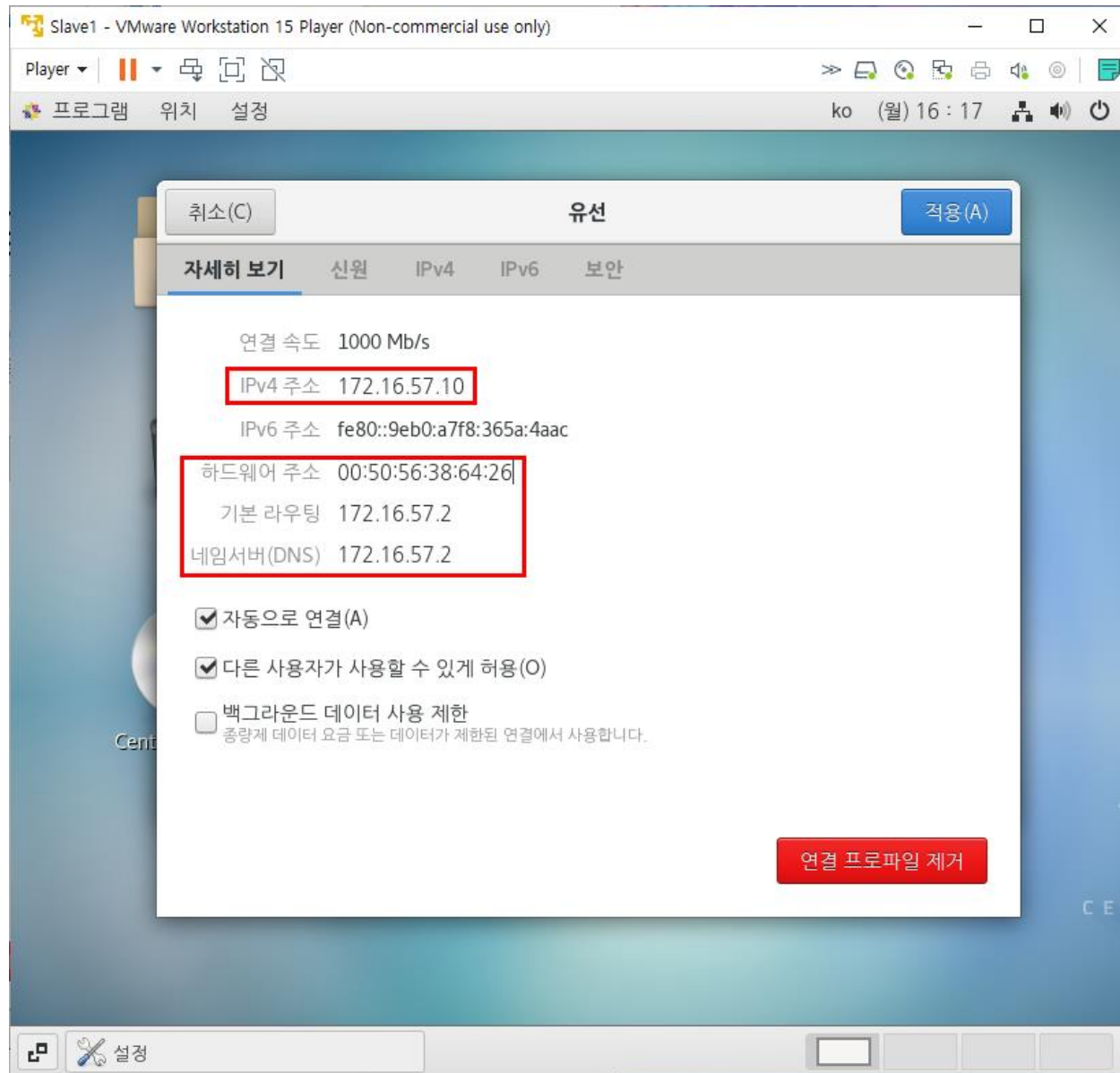
인터넷 연결 확인



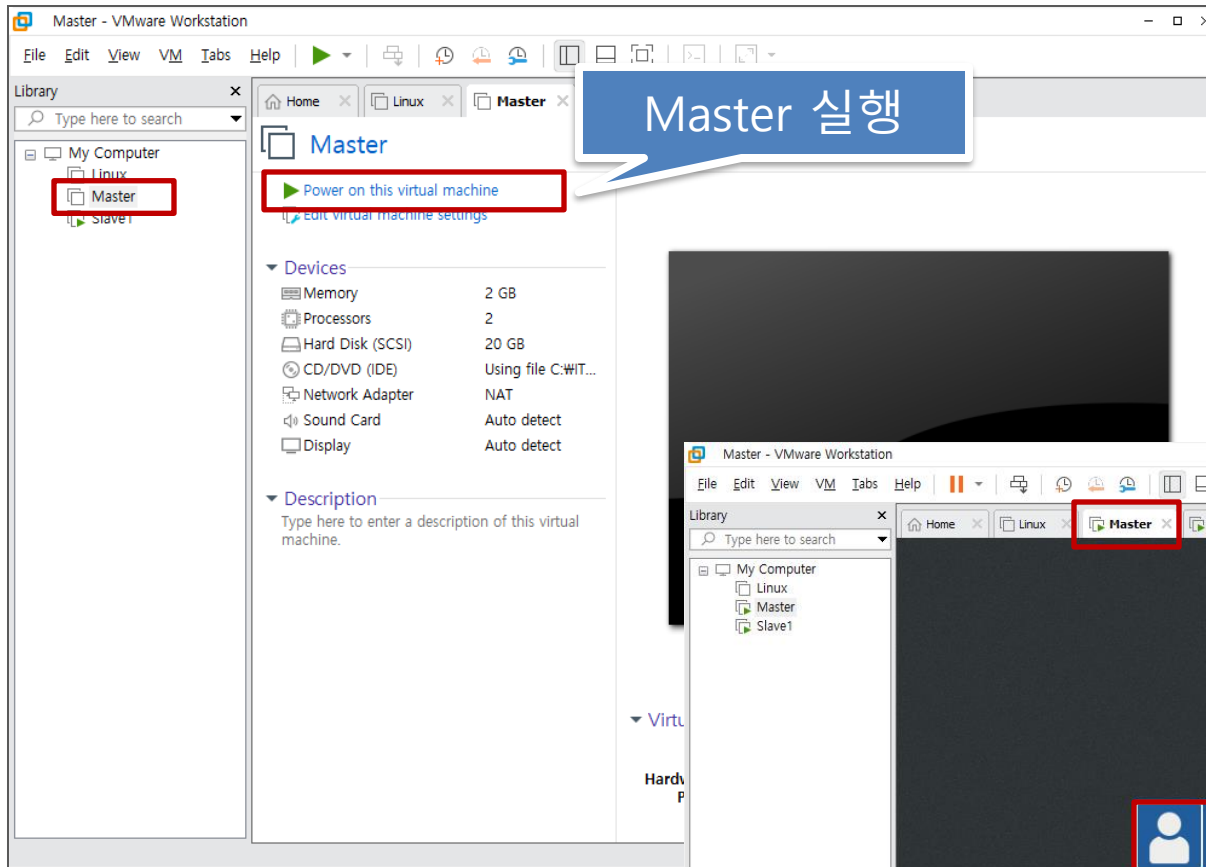
Slave1 서버 재부팅



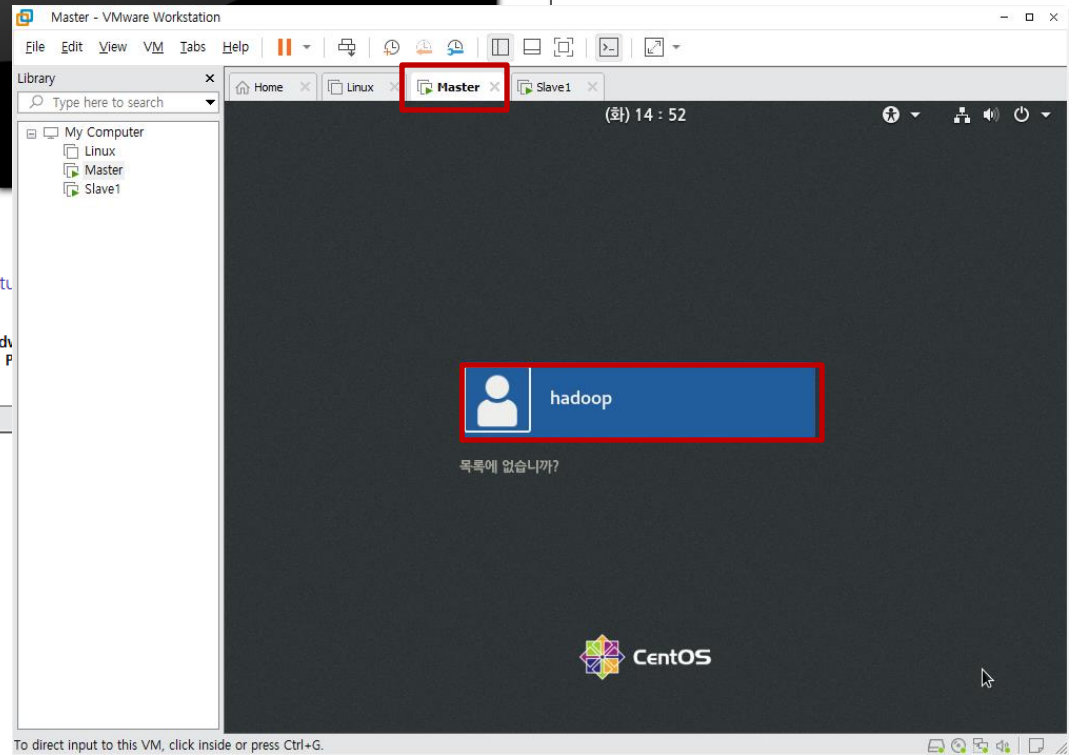
Slave1 서버 네트워크 환경설정 확인



● Master 서버 시작



두 개
동시에
켜놓고



To direct input to this VM, click inside or press Ctrl+G.

8) 상호 서버 접속(Master -> Slave)

Master - VMware Workstation

File Edit View VM Tabs Help

Library

Type here to search

My Computer

Linux

Master

Slave1

Home Linux Master Slave1

프로그램 위치 터미널

Hadoop계정으로 slave1서버 접속

```
[hadoop@master ~]$ ssh hadoop@slave1
The authenticity of host 'slave1 (172.16.22.10)' can't be established.
ECDSA key fingerprint is SHA256: oU7JIUZDEDJyXktauLA74z+mErqNNV2tpQRh0t0DaWM.
ECDSA key fingerprint is MD5: 76: f7: a4: 9d: b3: f2: f4: 52: 35: 21: ac: 28: 7c: e4: 1b: 57.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'slave1, 172.16.22.10' (ECDSA) to the list of known hosts.
hadoop@slave1's password:
Last login: Tue Jul 22 14:49:40 2025
[hadoop@slave1 ~]$
[hadoop@slave1 ~]$
[hadoop@slave1 ~]$ hostname
slave1
[hadoop@slave1 ~]$
[hadoop@slave1 ~]$
[hadoop@slave1 ~]$ logout
Connection to slave1 closed.
[hadoop@master ~]$
[hadoop@master ~]$
[hadoop@master ~]$ hostname
master
[hadoop@master ~]$
[hadoop@master ~]$
```

hadoop사용자 비번

접속한 서버의 이름 확인
로그아웃
현재 서버의 이름 확인

To direct input to this VM, move the mouse pointer inside or press Ctrl+G.

8) 상호 서버 접속 (Slave1 -> Master)

The screenshot shows a terminal window titled "Slave1 - VMware Workstation". The left sidebar shows a file tree with "My Computer" containing "Linux", "Master", and "Slave1". The "Slave1" folder is selected. The terminal window has tabs for "Home", "Linux", "Master", and "Slave1". The terminal output is as follows:

```
[hadoop@slave1 ~]$ ssh hadoop@master
The authenticity of host 'master (172.16.22.5)' can't be established.
ECDSA key fingerprint is SHA256: oU7JJIUZDEDJyXktauLA74z+mErqNNV2tpQRh0t0DaWM.
ECDSA key fingerprint is MD5: 76: f7: a4: 9d: b3: f2: f4: 52: 35: 21: ac: 28: 7c: e4: 1b: 57.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'master 172.16.22.5' (ECDSA) to the list of known hosts.
hadoop@master's password:
Last login: Tue Jul 22 14:53:45 2025
[hadoop@master ~]$
[hadoop@master ~]$
[hadoop@master ~]$ hostname
master
[hadoop@master ~]$
[hadoop@master ~]$ logout
Connection to master closed.
[hadoop@slave1 ~]$
[hadoop@slave1 ~]$ hostname
slave1
[hadoop@slave1 ~]$
[hadoop@slave1 ~]$
[hadoop@slave1 ~]$
```

Annotations in the image:

- A blue callout box at the top right says "hadoop 계정으로 master 서버 접속" (Connect to master server as hadoop user).
- A red box highlights the command `[hadoop@slave1 ~]$ ssh hadoop@master`.
- A red box highlights the prompt `hadoop@master's password:`.
- A blue callout box on the right says "hadoop사용자 비번" (hadoop user password).
- A red box highlights the command `[hadoop@master ~]$ hostname`.
- A red box highlights the output `master`.
- A red box highlights the command `[hadoop@master ~]$ logout`.
- A red box highlights the output `Connection to master closed.`.
- A red box highlights the command `[hadoop@slave1 ~]$ hostname`.
- A red box highlights the output `slave1`.
- A blue callout box at the bottom right says "접속한 서버의 이름 확인 로그아웃 현재 서버의 이름 확인" (Check the name of the connected server, log out, check the name of the current server).

At the bottom of the terminal window, it says "To direct input to this VM, move the mouse pointer inside or press Ctrl+G."

모든 서버 종료

