2. Slave 서버 설정

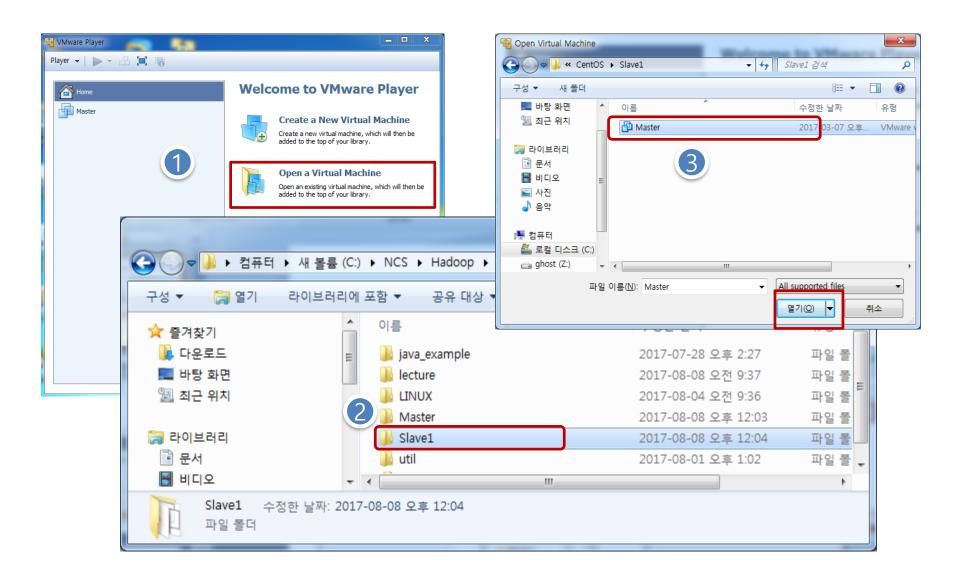
목 차

- 1. Slave1 서버 환경 설정
- 2. Slave2 가져오기
- 3. 인증키 생성 및 암호 해제

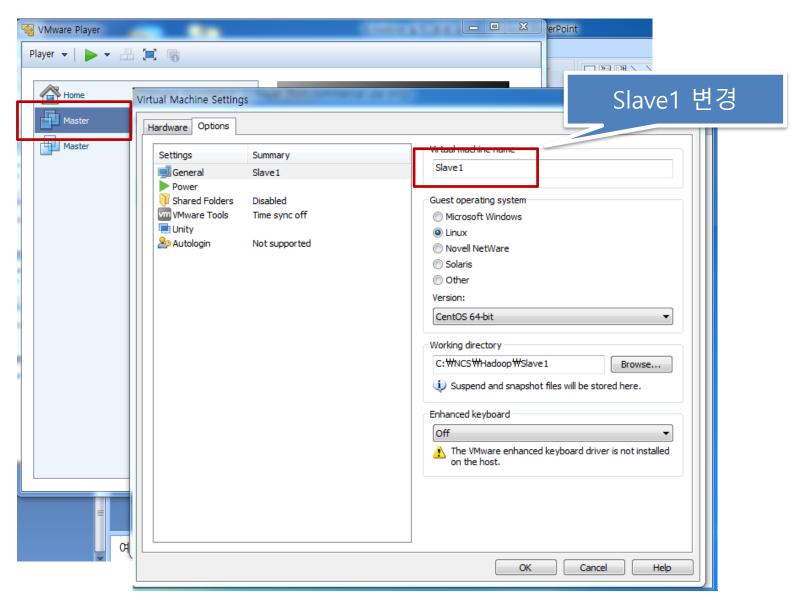
1. Slave1 서버 환경 설정

- 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

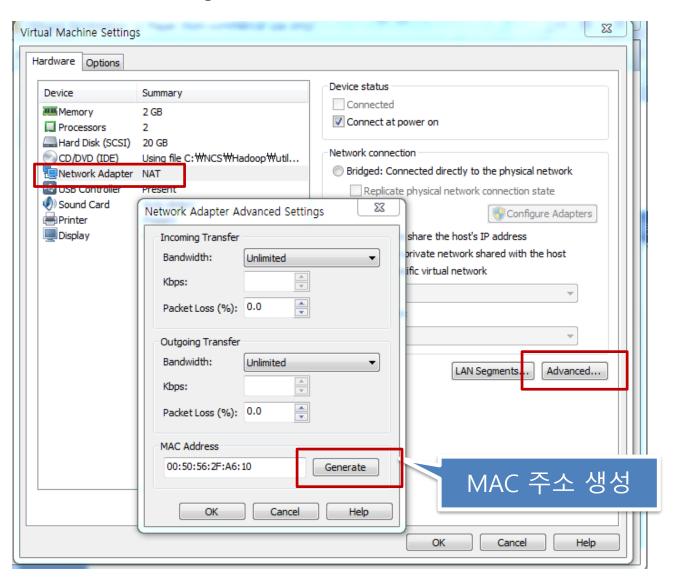
1) Slave 가져오기



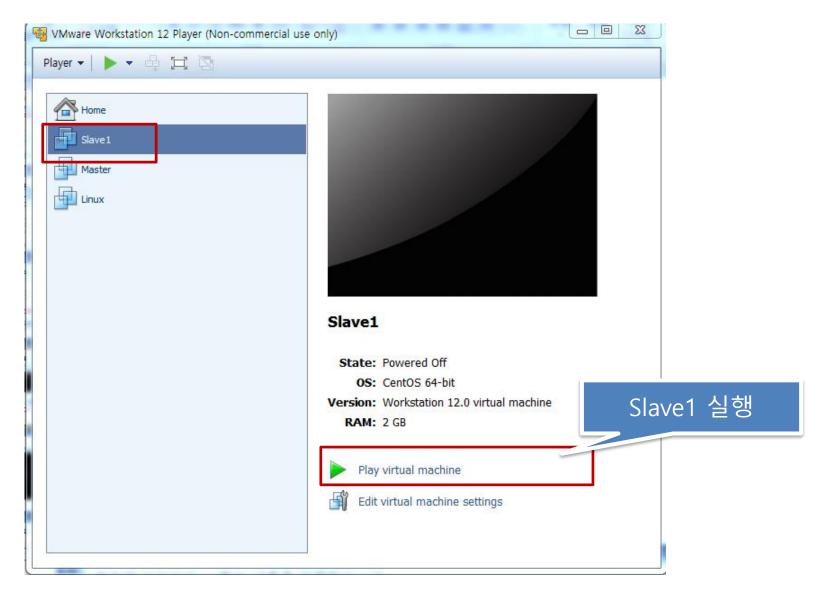
2) Slave 이름변경

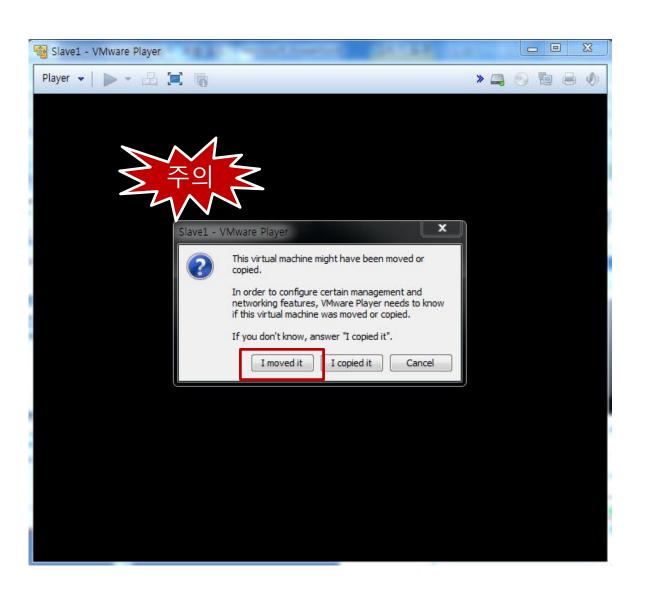


3) MAC 주소 생성

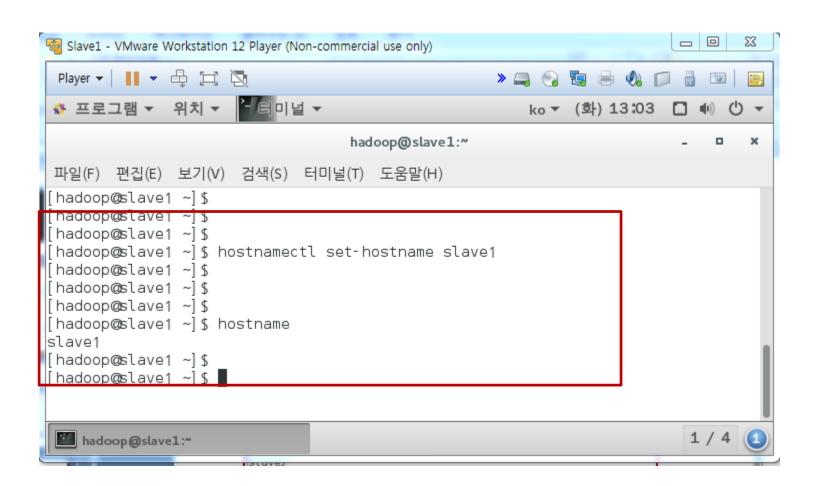


4) 가상 머신 실행

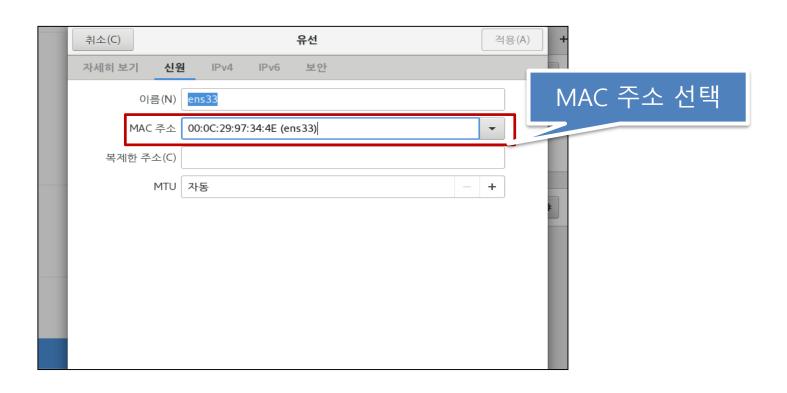




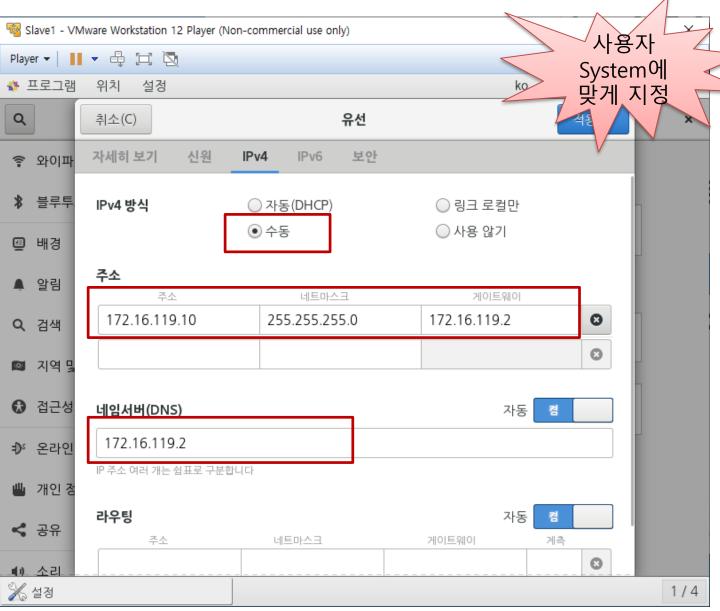
5) Hostname 변경



6) Network 변경

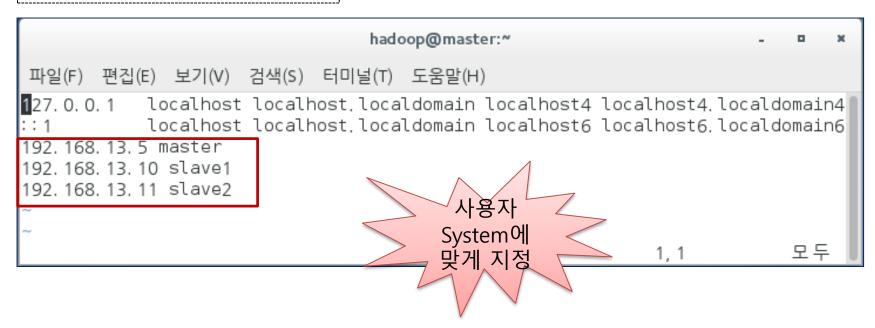


6) Network 변경

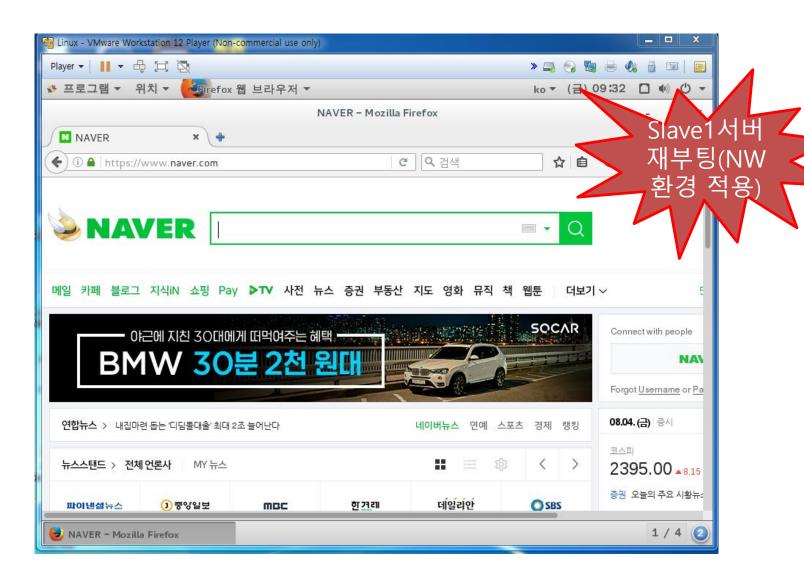


7) hosts 설정 확인

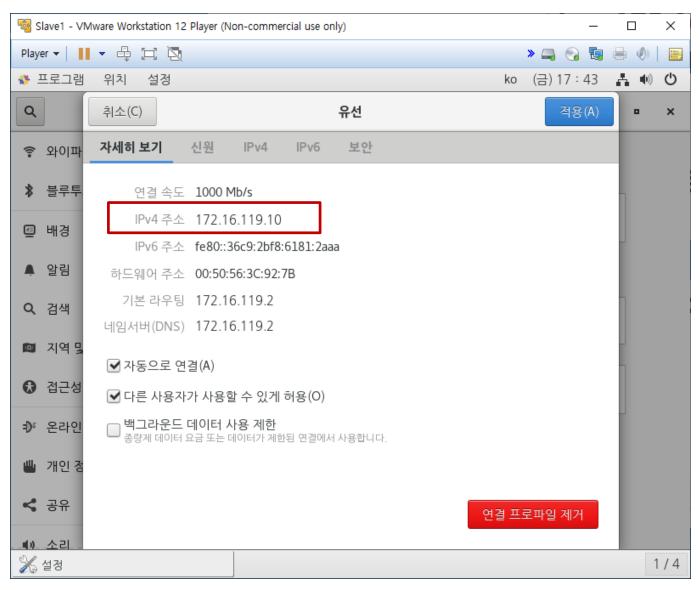
\$ vi /etc/hosts



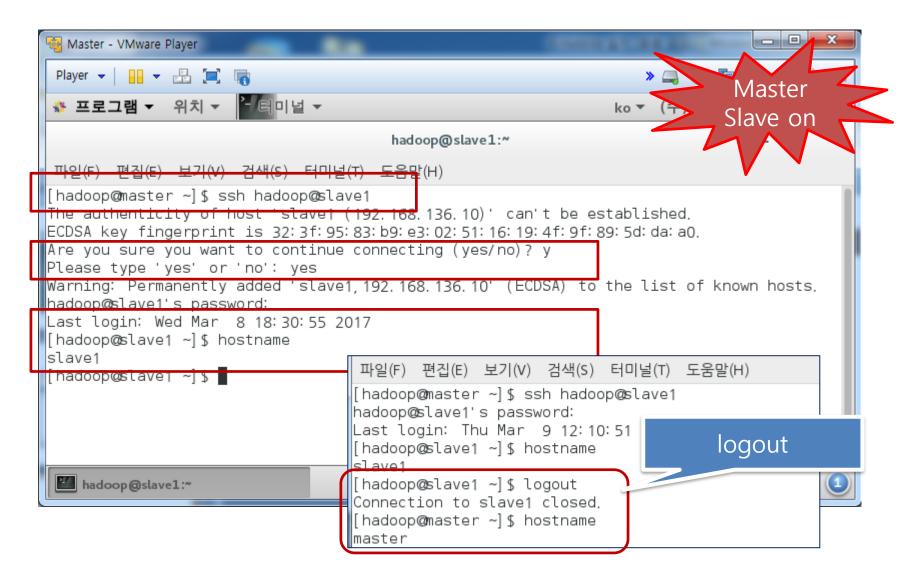
인터넷 연결 확인



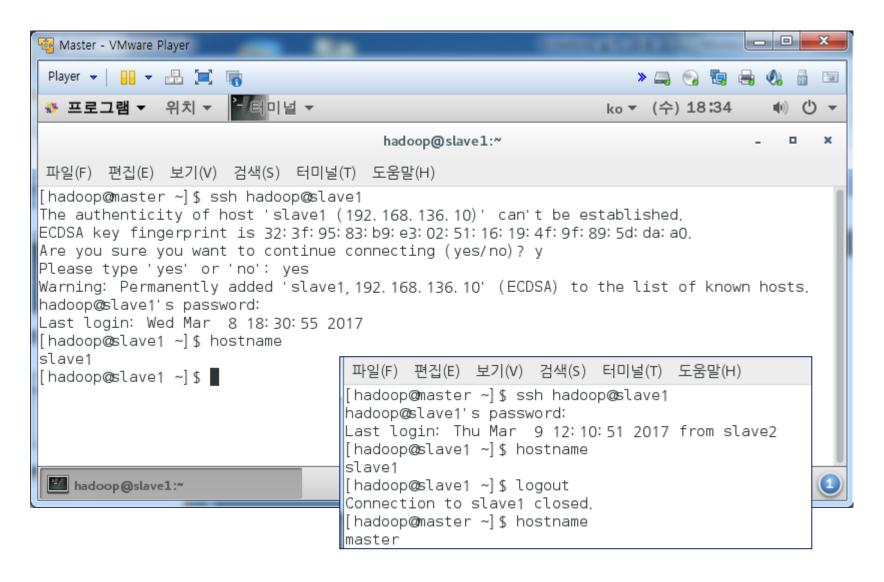
서버 재부팅 후 네트워크 환경설정 확인



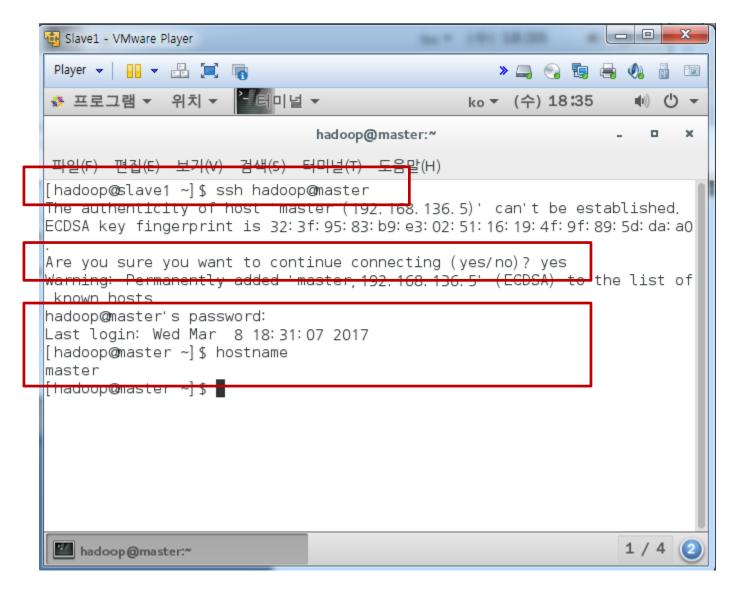
8) 상호 서버 접속(Master -> Slave)



8) 상호 서버 접속(Master -> Slave)



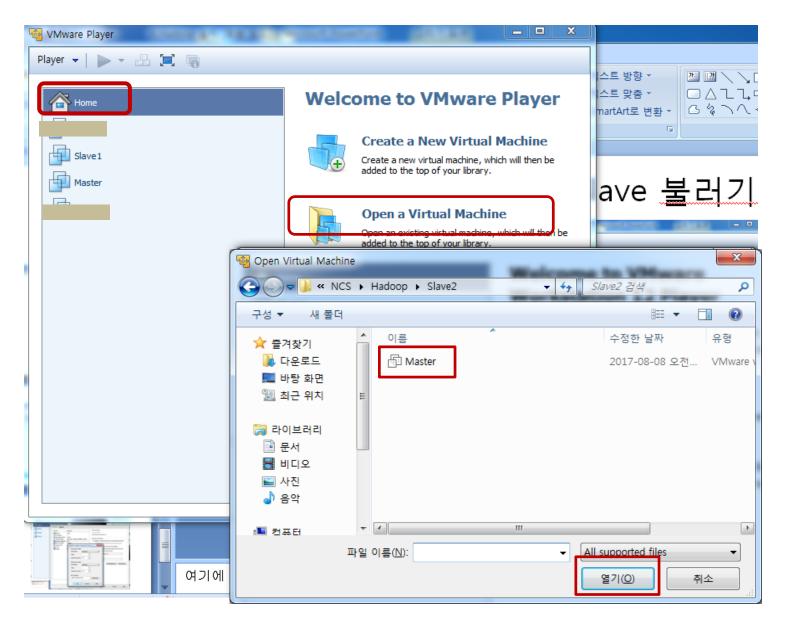
8) 상호 서버 접속 (Slave -> Master)



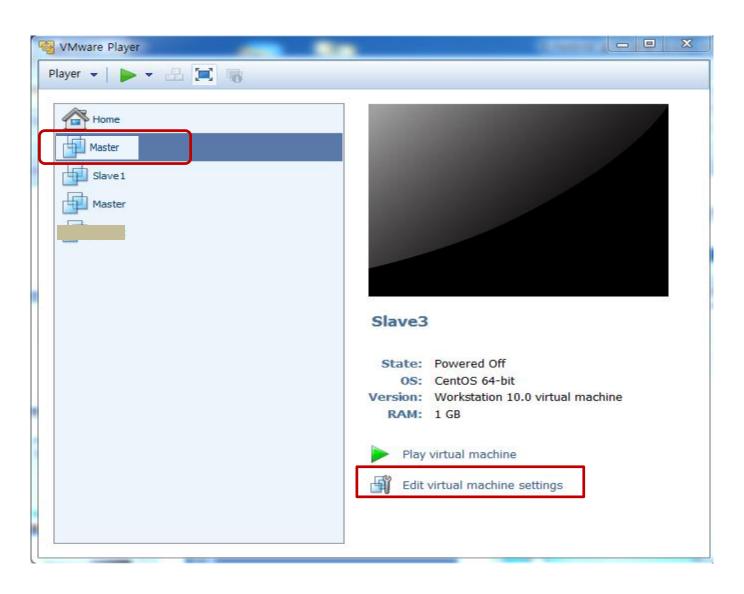
2. Slave2 가져오기

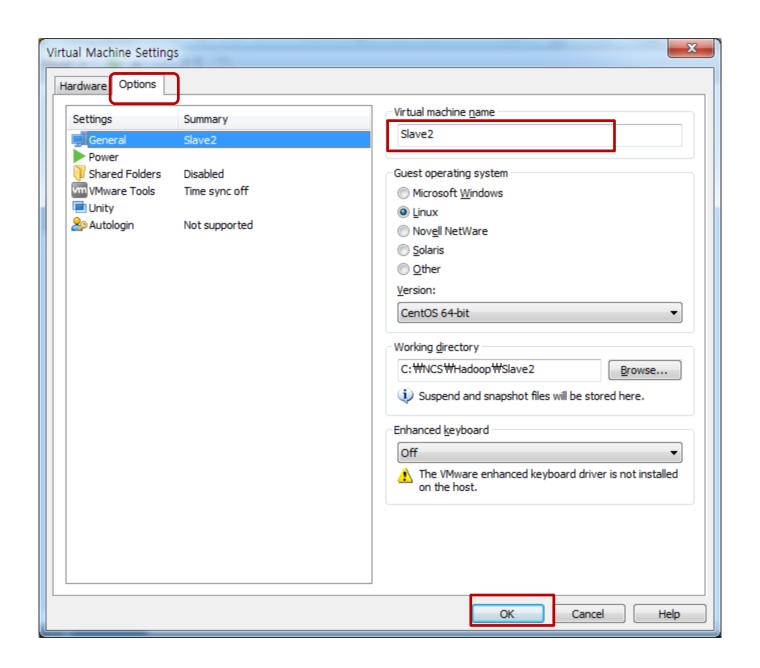
- 1) Slave2 가져오기
- 2) Slave2 이름 변경
- 3) MAC 주소 생성
- 4) 가상 머신 실행
- 5) Hostname 변경
- 6) Network 변경
- 7) 다른 서버 접속

1) Slave2 가져오기

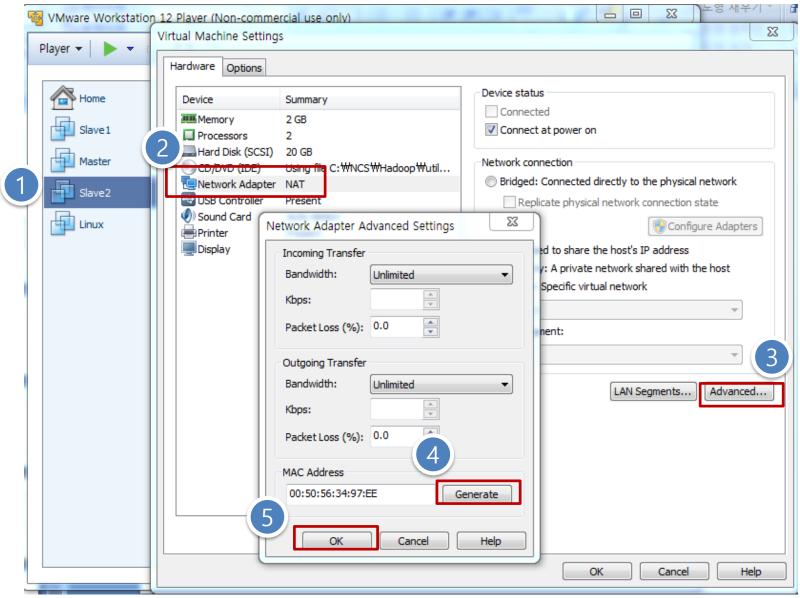


2) Slave2 이름 변경

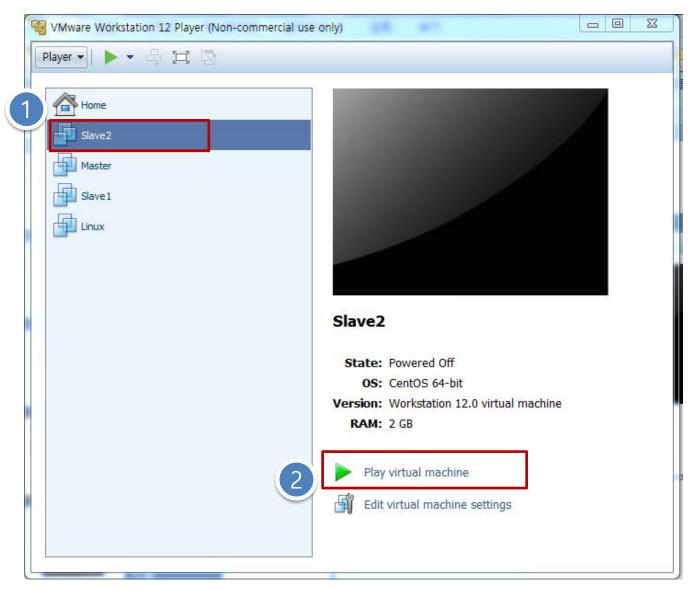


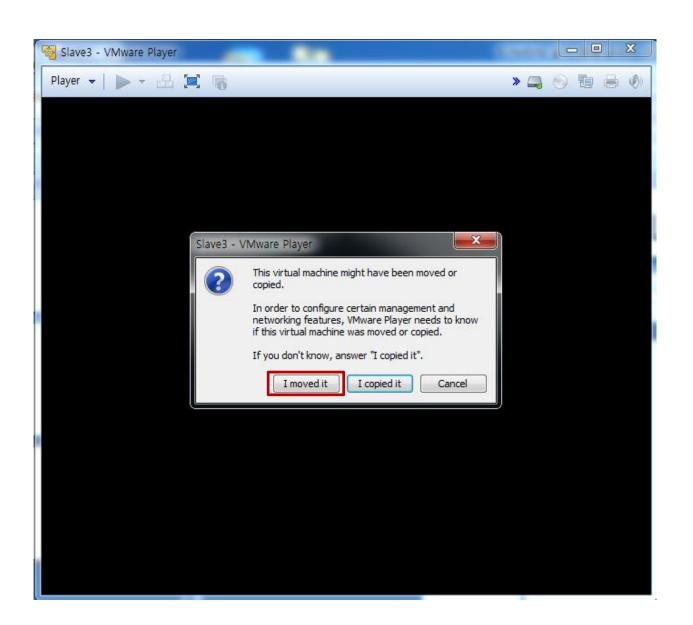


3) MAC 주소 생성

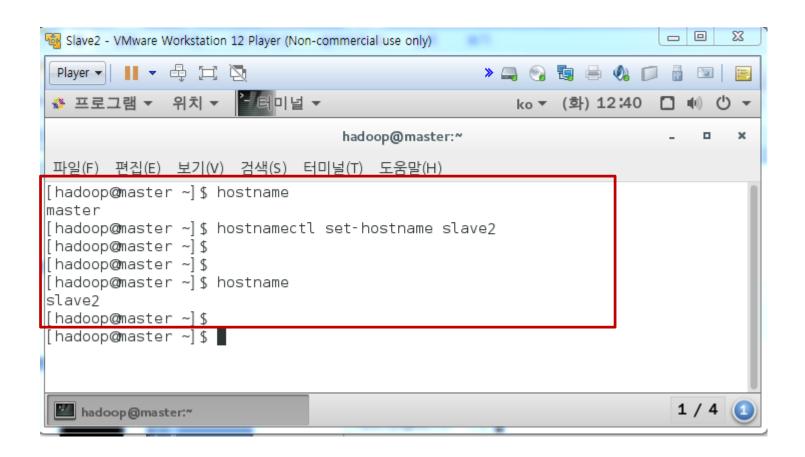


4) 가상 머신 실행

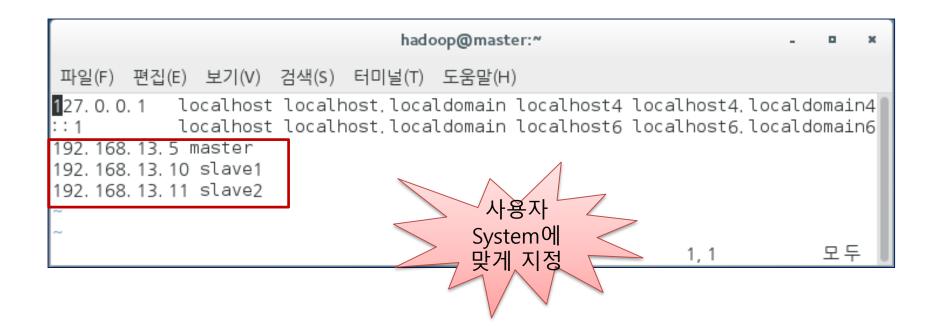




5) Hostname 변경

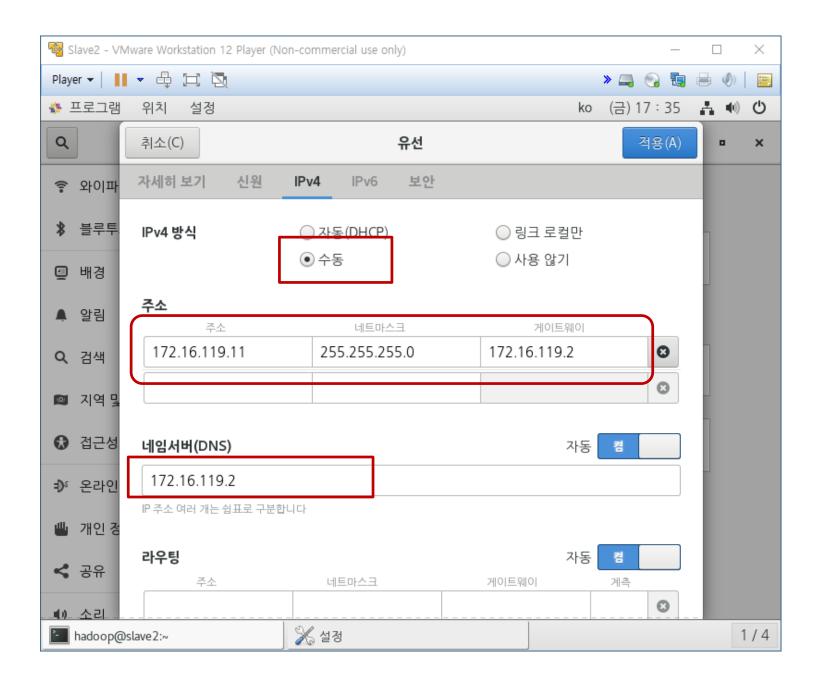


6) hosts 설정 확인

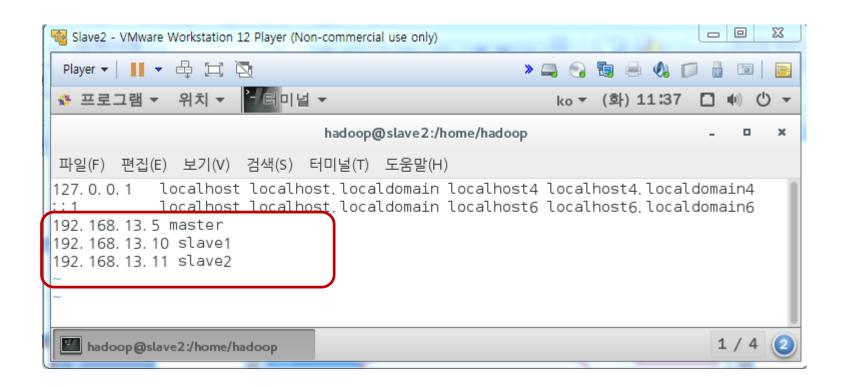


7) Network 변경





8) hosts 설정 확인



인터넷 연결 확인



9) 다른 서버 접속

hadoop@master:~

파일(F) 편집(E) 보기(V) 검색(S) 터미널(T) 도움말(H)

[root@master ~]# ssh hadoop@slave1

The authenticity of host 'slave1 (192,168,136,10)' can't be escaptished

ECDSA key fingerprint is 32:3f:95:83:b9:e3:02:51:16:19:4f:9f:89:5d:da 🛲 🐠.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added 'slave1, 192, 168, 136, 10' (ECDSA) to the list of \hat{\sqrt{hown}}

hosts.

hadoop@slave1's password:

Last login: Thu Mar 9 12:15:06 2017 from master

|[hadoop@slave1 ~]\$ hostname

slave1

[hadoop@slave1 ~]\$ logout

Connection to slave1 closed

root@master ~]# ssh hadoop@slave2

The authenticity of host 'slave2 (192.168.136.11)' can't be established.

ECDSA key fingerprint is 32:3f:95:83:b9:e3:02:51:16:19:4f:9f:89:5d:da:a0.

Are you sure you want to continue connecting (yes/no)? yes

Warning: Permanently added 'slave2,192.168.136.11' (ECDSA) to the list of known hosts.

hadoop@slave2's password:

Last login: Thu Mar 9 12:10:08 2017 from slave1

[hadoop@slave2 ~]\$ hostname

slave2

[hadoop@slave2 ~]\$ logout

Connection to slave2 closed.

접속 시 암호

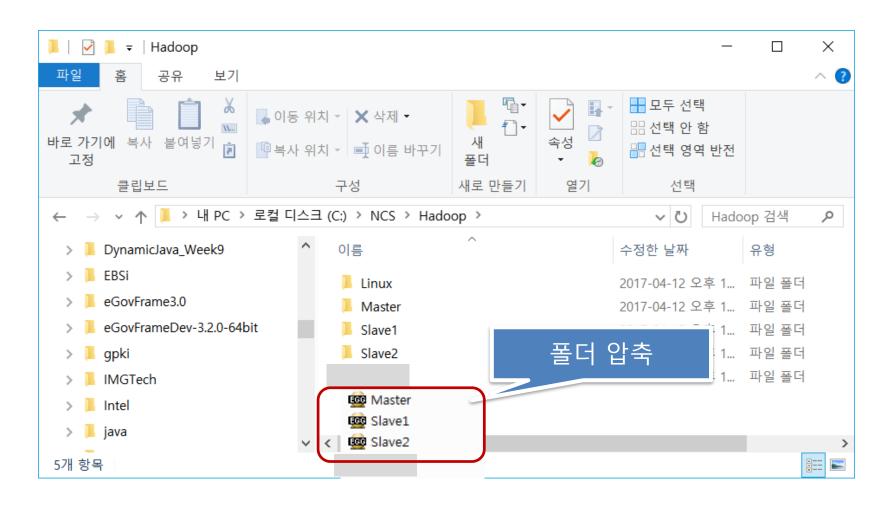
요구

slave1 접속/해제

slave2 접속/해제

```
hadoop@master:~
파일(F) 편집(E) 보기(V) 검색(S) 터미널(T) 도움말(H)
Last login: Thu Mar 9 12:10:08 2017 from slave1
[hadoop@slave2 ~]$ hostname
                                                      master 접속/해제
slave2
[hadoop@slave2 ~]$ logout
Connection to slave2 closed.
[root@master ~]# ssh hadoop@master
The authenticity of host 'master (192.168.136.5)' can't be established.
ECDSA key fingerprint is 32:3f:95:83:b9:e3:02:51:16:19:4f:9f:89:5d:da:a0.
Are you sure you want to continue connecting (yes/no)? yest
Warning: Permanently added 'master, 192, 168, 136, 5' (ECDSA) to the list of known
hosts.
hadoop@master's password:
Last login: Thu Mar 9 12:11:24 2017 from slave2
h[hadoop@master ~] $ hostname
master
[hadoop@master ~]$
```

10) Master/Slave 백업



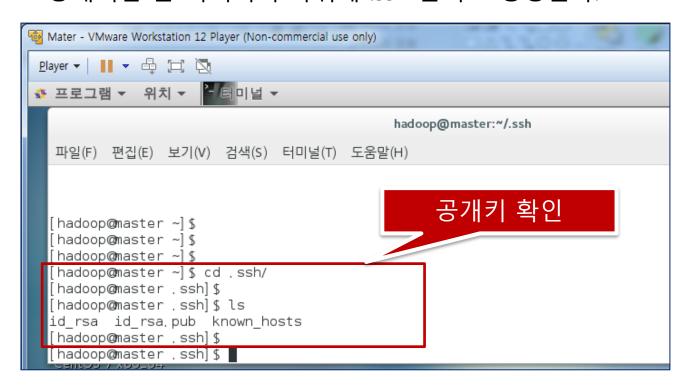
3. 인증키 생성 및 복사

- 1) 인증키 생성 및 암호 해제
- 2) 다른 서버에 인증키 복사
- 3) 각 서버 접속 테스트

1. 인증키 생성/암호 해제[master 작업]

```
hadoop@master:~
파일(F) 편집(E) 보기(V) 검색(S) 터미널(T) 도움말(H)
[hadoop@master ~] $ ssh-keygen -t rsa
Generating public/private rsa key pair.
Enter file in which to save the key (/home/hadoop/.ssh/id rsa):
Created directory '/home/hadoop/.ssh'.
Fnter passphrase (empty for no passphrase):
Enter same passphrase again:
                                           공개키 생성 후 Enter키 3회
Your identification has been saved in /home/h
Your public key has been saved in /home/hadoop/.ssn/id rsa.pub.
The key fingerprint is:
The key's randomart image is:
+--[ RSA 2048]----+
    00
    00.0
 hadoop@master ~] $ |
```

공개키는 홈 디렉터리 하위에 .ssh 폴더로 생성된다.

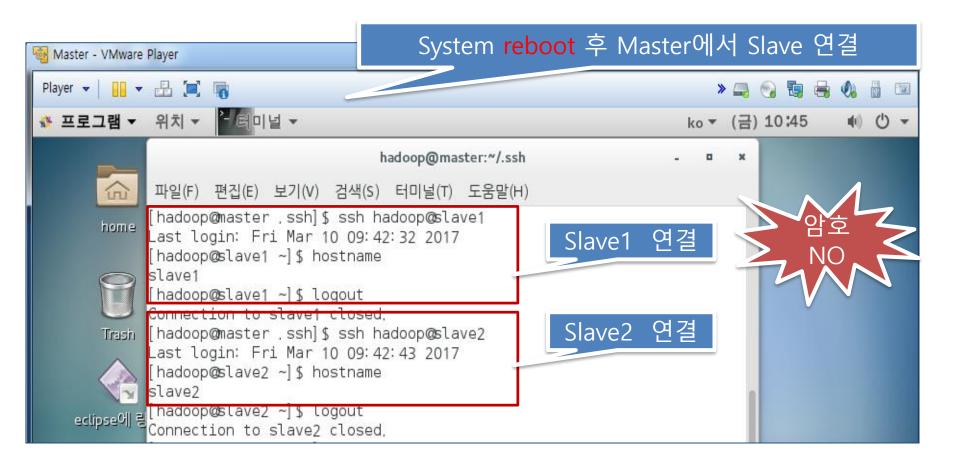


2. 다른 서버에 인증키 복사

```
hadoop@master:~/.ssh
                                               Master 공개키 복사
파일(F) 편집(E) 보기(V) 검색(S) 터미널(T) 도움말(H)
[hadoop@master .ssh]$ ls
id rsa id rsa pub
[hadoop@master .ssh] $ scp id_rsa.pub authorized_keys
                                                                        Slave1 복사
authorized kevs id rsa id rsa pub
The authenticity of host 'slave1 (192.168.220.10)' can't be established.
ECDSA key fingerprint is 75: ce: 82: 0d: bd: b0: 48: 07: cd: e4: 72: 09: cf: 35: 50: 73.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'slave1,192.168.220.10' (ECDSA) to the list of known hosts.
hadoop@slave1's password:
                                                                          Slave2 복사
                                            100% 395
                                                         0.4KB/s
id rsa pub
[hadoop@master ssh] {
hadoop@master .ssh] $ scp id rsa.pub hadoop@slave2:/home/hadoop/.ssh/authorized keys
The authenticity of host 'slave2 (192.168.220.11)' can't be established.
ECDSA key fingerprint is 75: ce: 82: 0d: bd: b0: 48: 07: cd: e4: 72: 09: cf: 35: 50: 73.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added 'slave2,192.168.220.11' (ECDSA) to the list of known hosts
hadoop@slave2's password:
id rsa pub
                                            100% 395
                                                         0.4KB/s
                                                                  00:00
|hadoop@master .ssh|}
```

- ❖ Slave1, Slave2 홈 디렉터리 하위에 .ssh 폴더가 생성되고, 공개키가 복제된다.
- ❖ 서버 복사 과정에서 오류 발생하면 Slave1과 Slave2에서 각각 Master와 ssh 명령어로 서버 연결 후 복사한다.

3. 다른 서버 접속 테스트



다른 서버 접속 테스트

