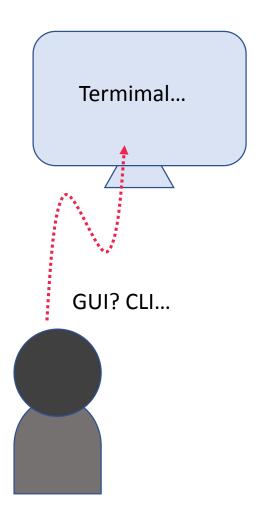
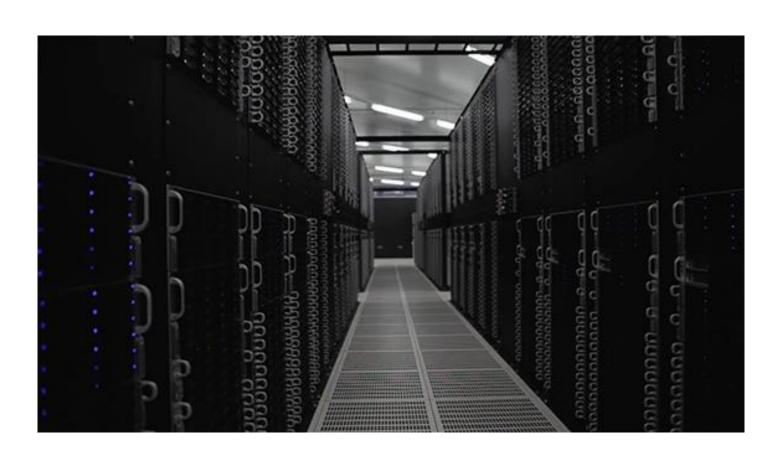


Chapter 01. 실습환경 구축하기

VM 원격 접속환경 구축하기



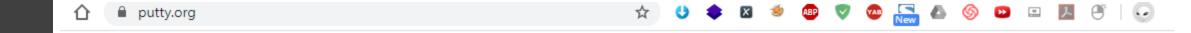






터미털 프로그램 설치 - SSH 클라이언트 소프트웨어

- PUTTY (https://www.putty.org/)
- SecureCRT
- Teraterm
- Xshell





Download PuTTY

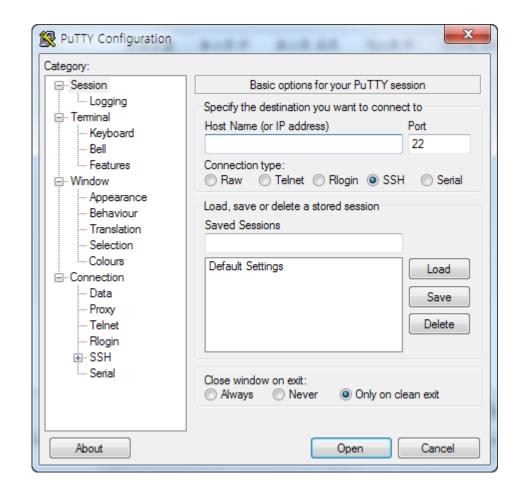
PuTTY is an SSH and telnet client, developed originally by Simon Tatham for the Windows platform. PuTTY is open source software that is available with source code and is developed and supported by a group of volunteers.

You can download PuTTY here.



터미널 프로그램 설치 - putty 클라이언트 바이너리들

- putty.exe (the SSH and Telnet client itself)
- pscp.exe (an SCP client, i.e. command-line secure file copy)
- pageant.exe (an SSH authentication agent for PuTTY, PSCP, PSFTP, and Plink)
- puttygen.exe (a RSA and DSA key generation utility)
- **putty.zip** (a .ZIP archive of all the above)





원격 접속하기 - SSH 데몬 설치

daemon

\$ service sshd status

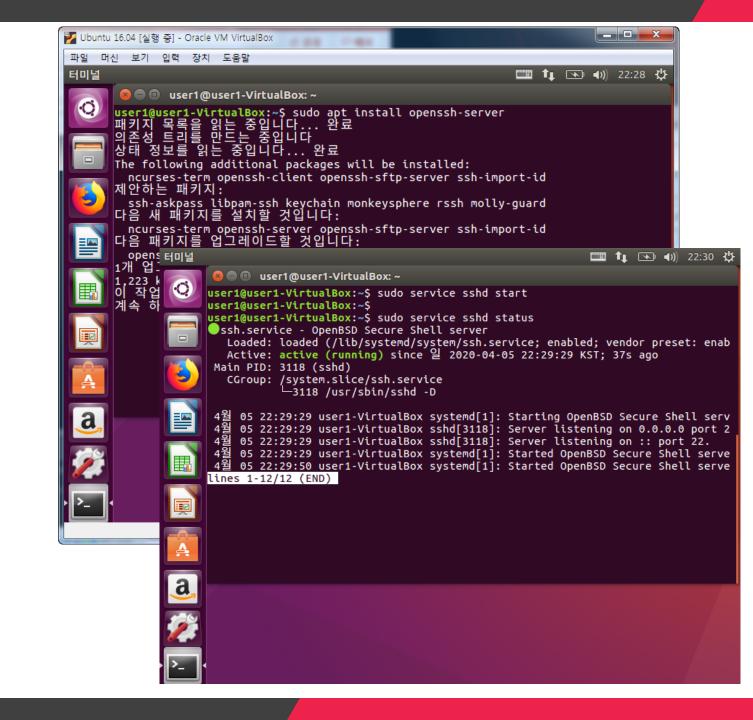
\$ sudo apt install sshd

\$ sudo apt install openssh-server

\$ sudo service sshd start (systemctl start ssh)

\$ service sshd status
(systemctl status ssh
 systemctl status sshd
 systemctl status ssh.service)

\$ ssh localhost





원격 접속하기 - IP 주소 확인

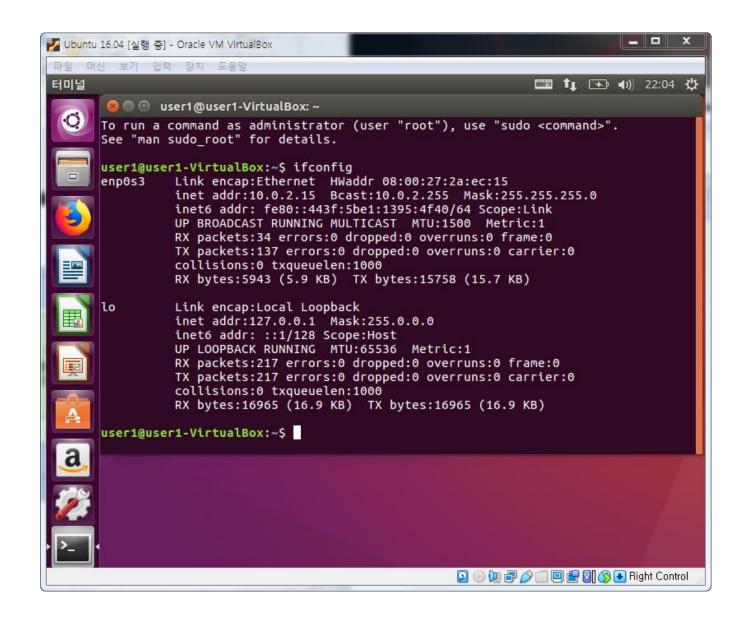
\$ ifconfig

고전적 이름 eth0, eth1, wlan0

systemd v197 새로운 이름 (ethernet network peripheral # serial #)

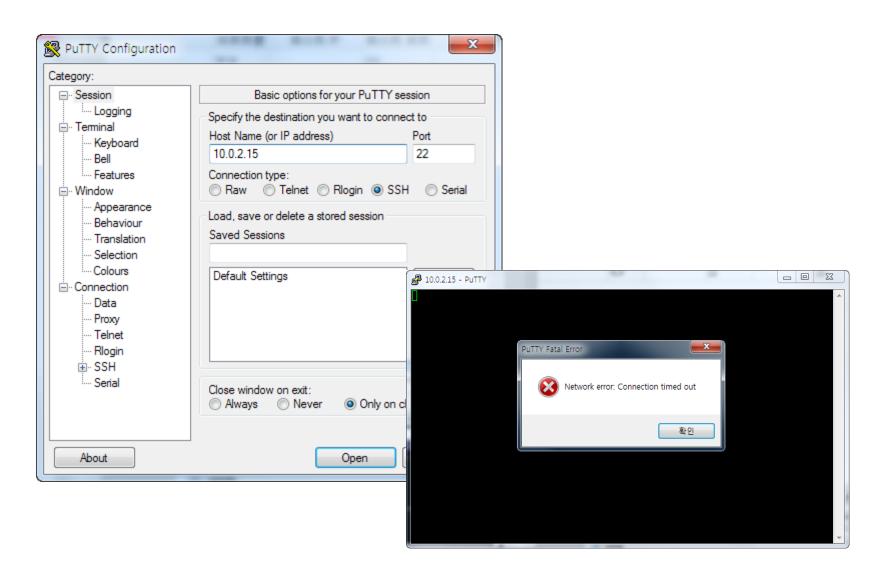
eno1 ens1 enp2s0 enx78e7d1ea46da

https://www.freedesktop.org/wiki/ Software/systemd/PredictableNetw orkInterfaceNames/



원격 접속하기 - Putty

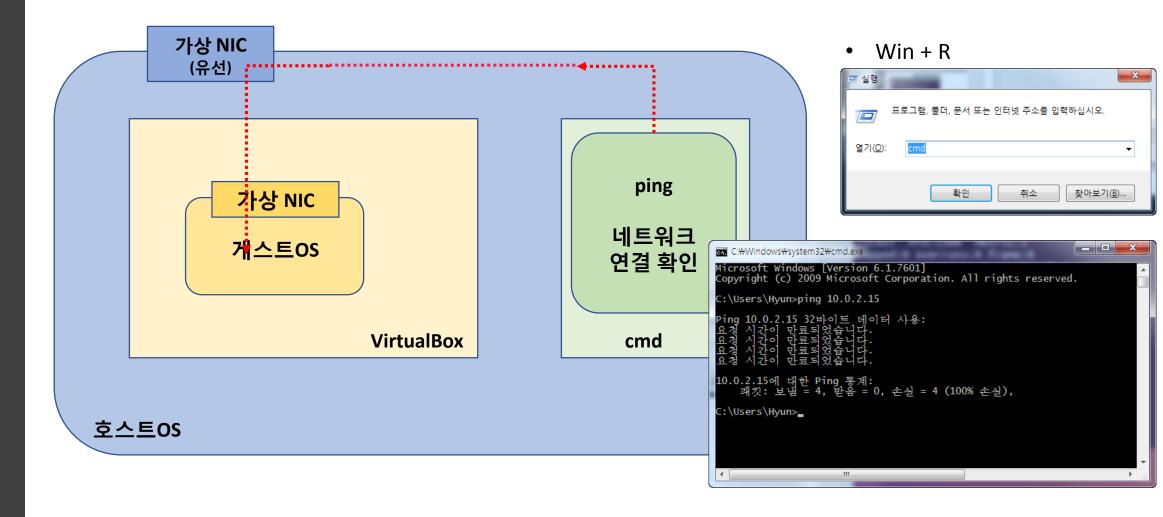
putty> 10.0.2.15





원격 접속하기 - IP 주소 접속 시도

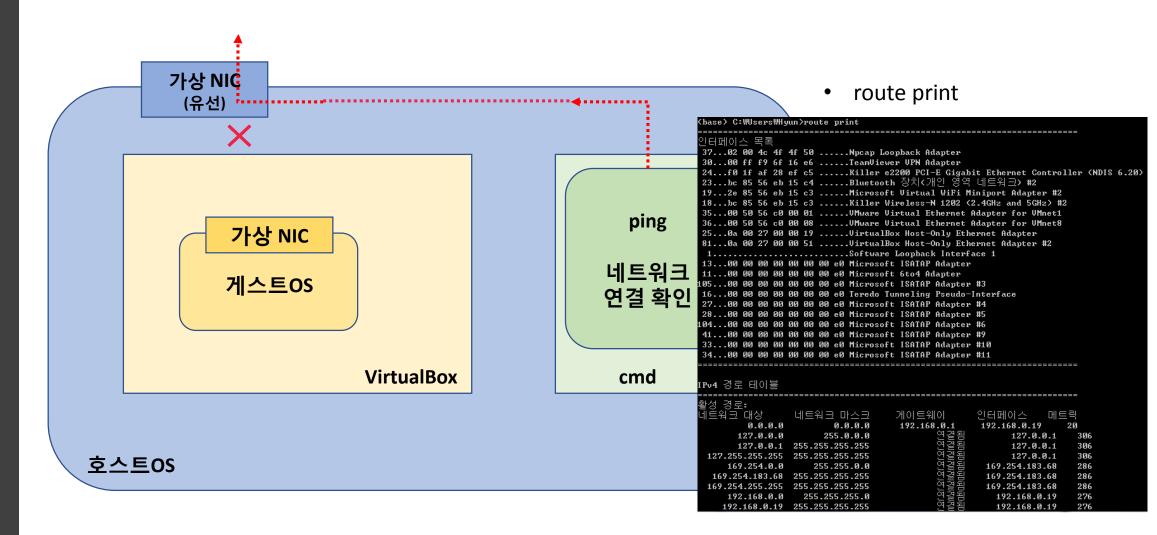
cmd> ping 10.0.2.15





원격 접속하기 - 접속 실패

• NAT 환경의 망 분리





원격 접속하기 - 실패?!

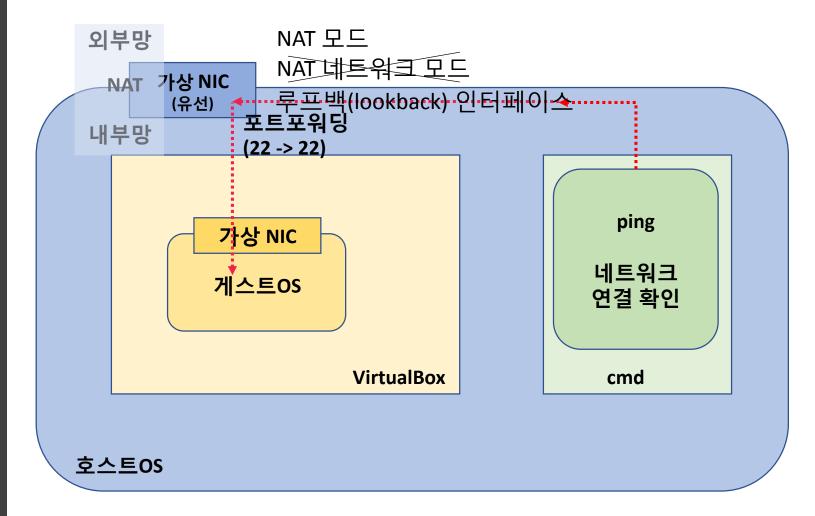
솔루션

- 1. NAT 내부망 내 로 접속하기
- 2. 호스트 전용 어댑터로 접속하기
- 3. 그 외 다수...
 - "NAT 네트워크" 환경에서 접속하기
 - "어댑터에 브리지" 환경에서 접속하기



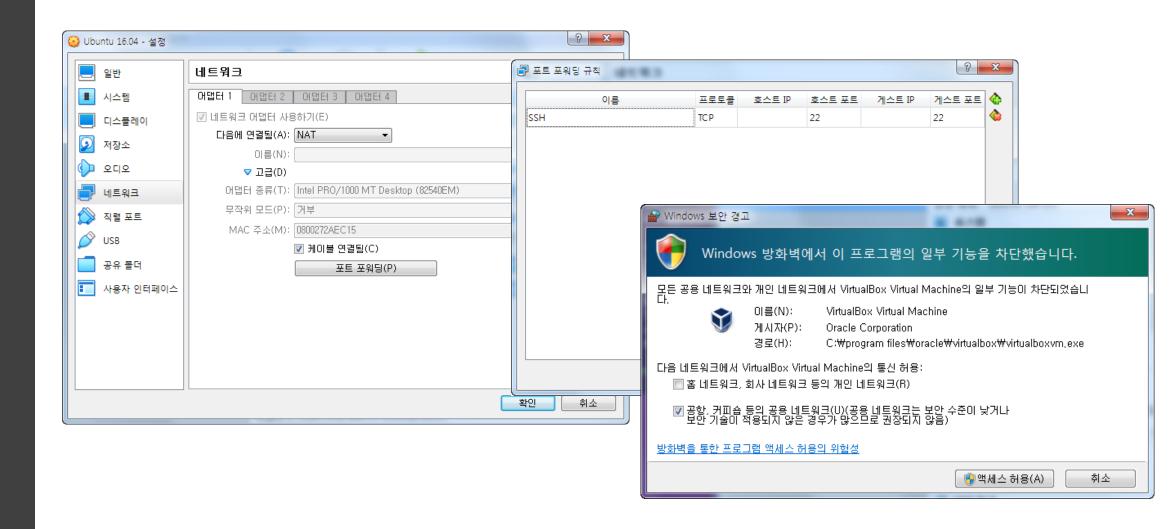
솔루션 #1. 원격 접속하기 - NAT 환경에서 게스트OS 접속하기

• 포트포워딩 추가하기





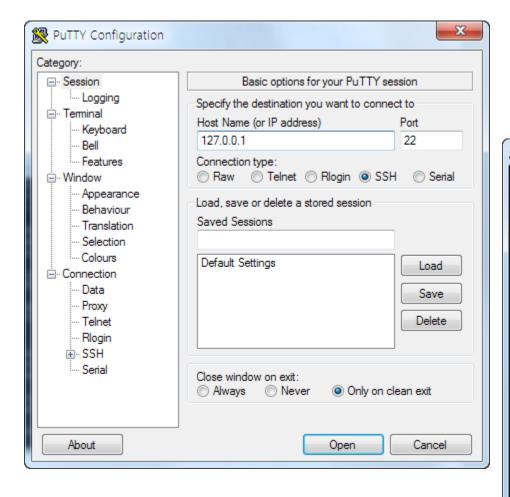
솔루션 #1. 원격 접속하기 - NAT 환경 확인 (포트포워딩 추가)

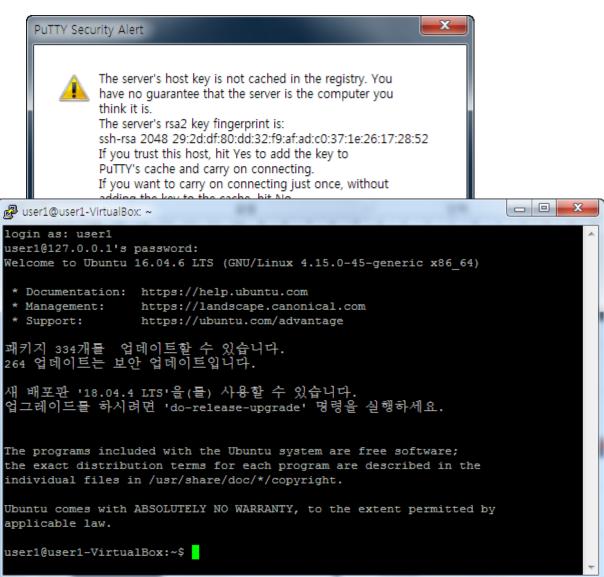




솔루션 #1. 원격 접속하기 - NAT 환경 (포트포워딩)

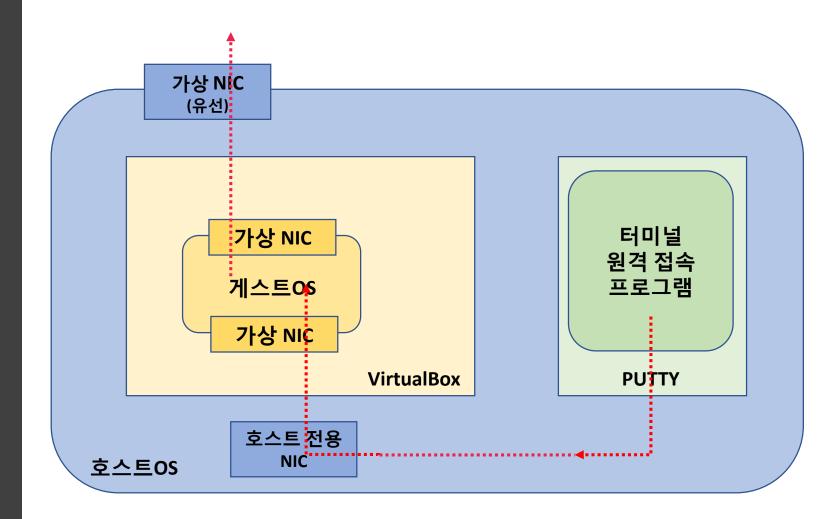
putty> 127.0.0.1 : 22



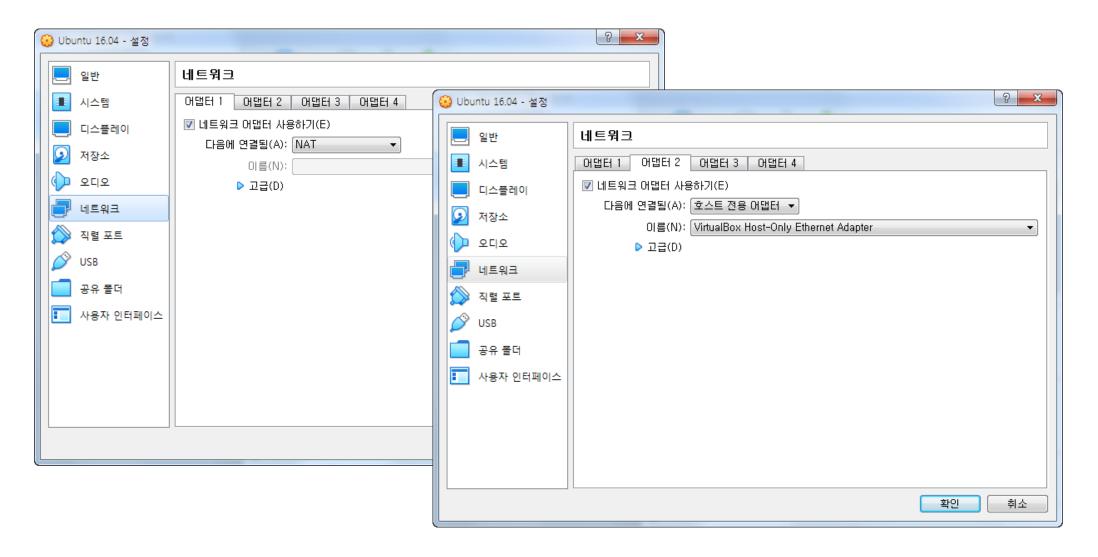




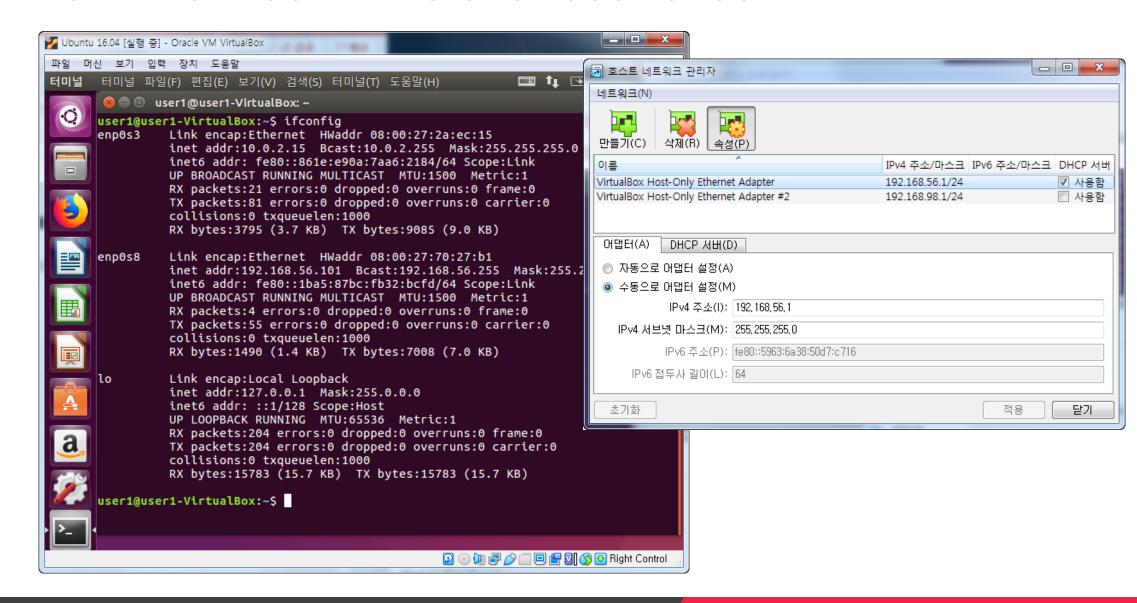
솔루션 #2. 원격 접속하기 - 호스트 전용 어댑터 개념



솔루션 #2. 원격 접속하기 - 호스트 전용 어댑터 추가하기



솔루션 #2. 원격 접속하기 - 호스트 전용 어댑터 인터페이스 확인하기





솔루션 #2. 원격 접속하기 - 호스트 전용 어댑터 추가

putty> 192.168.56.101 : 22

