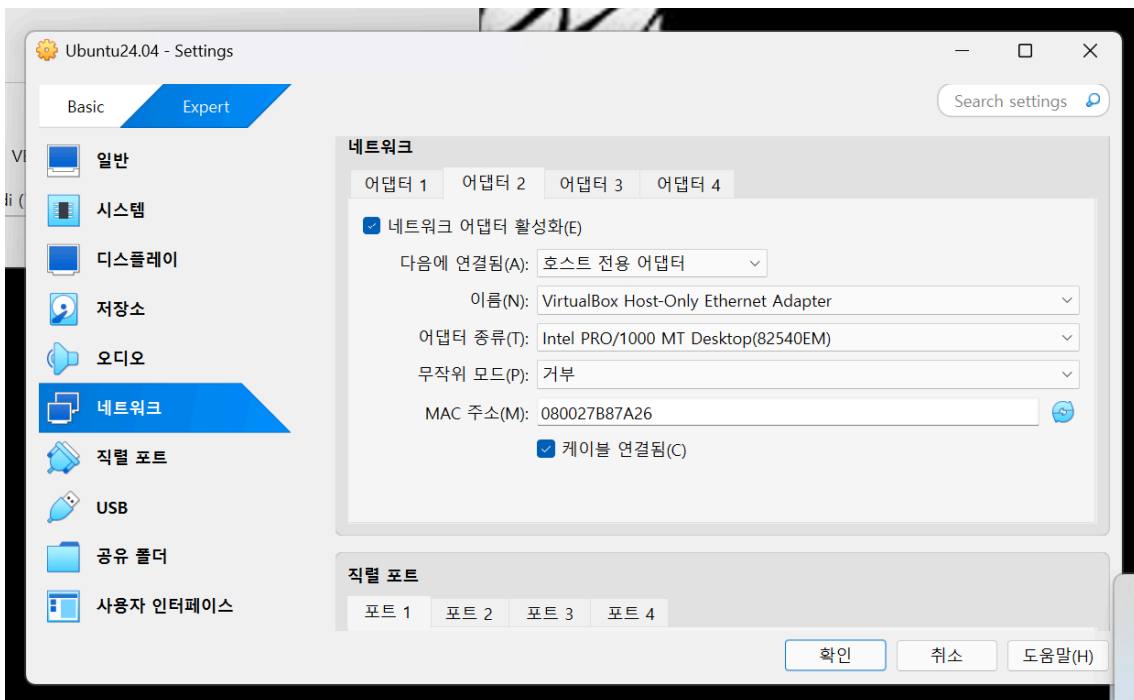
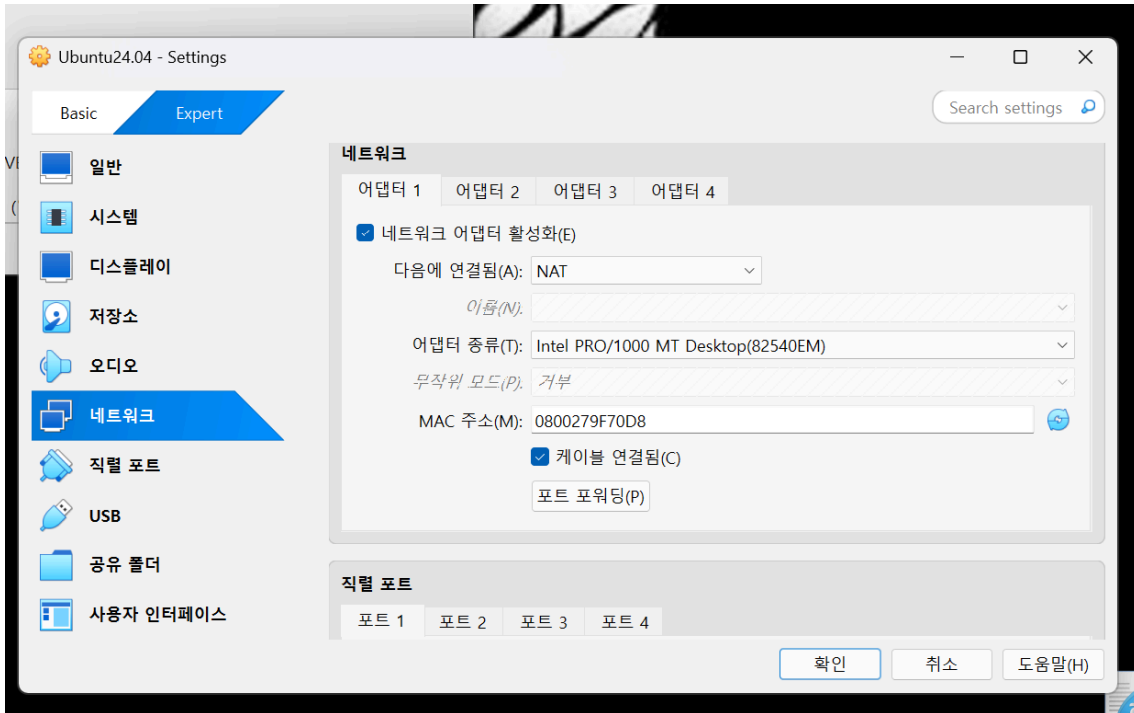
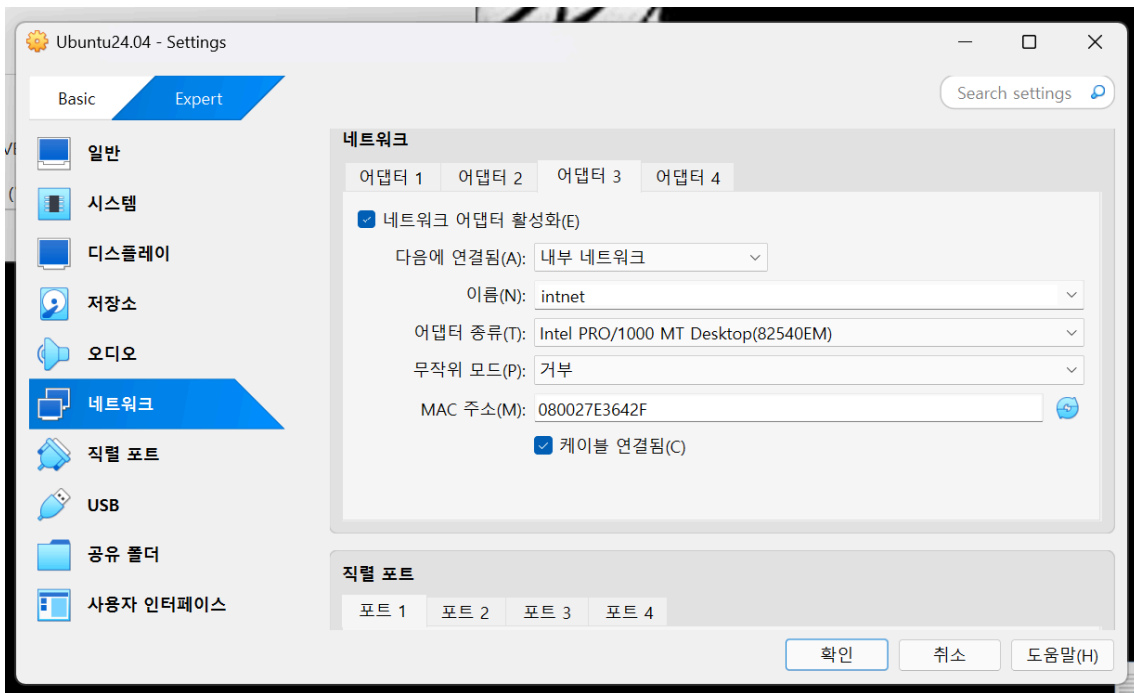


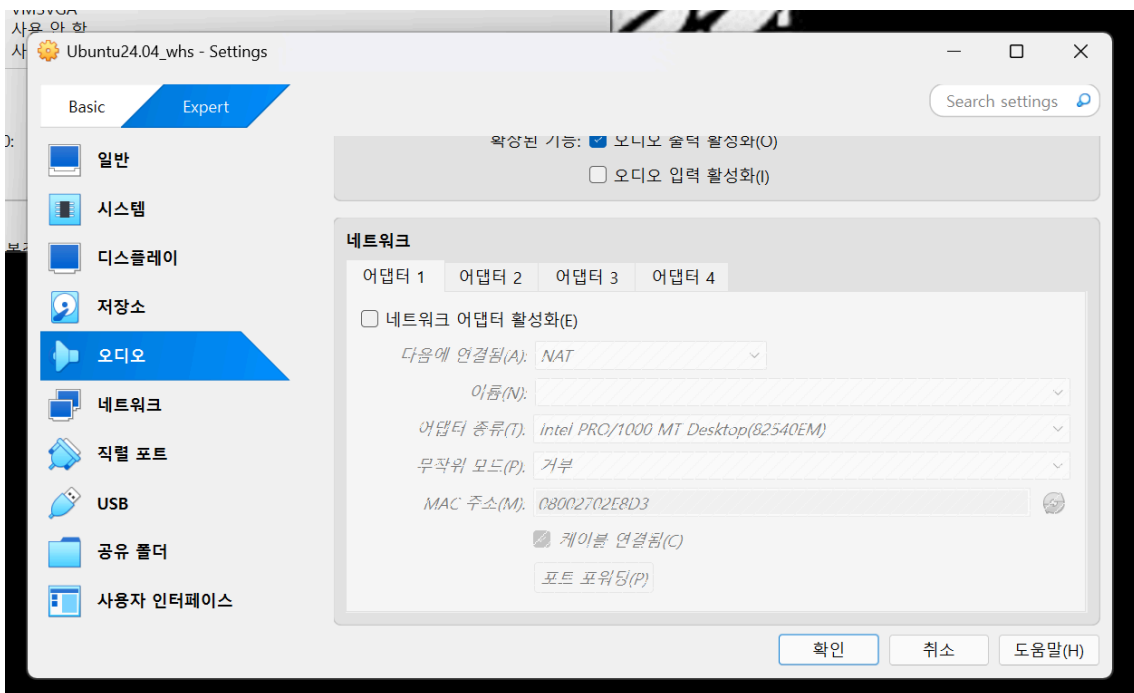


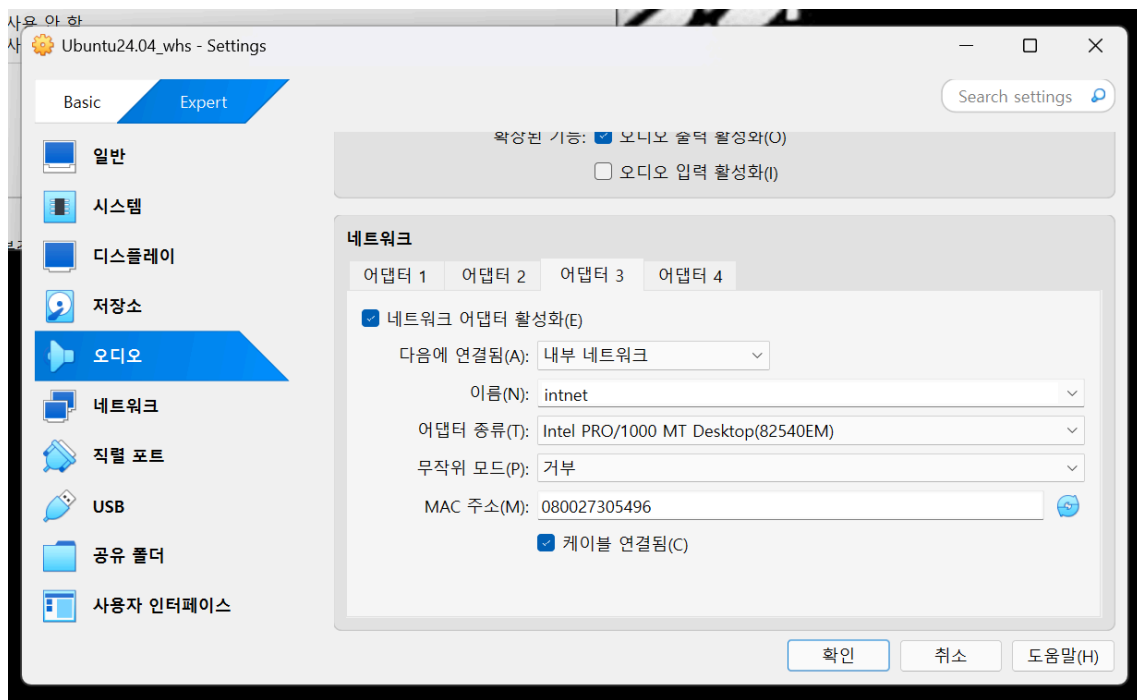
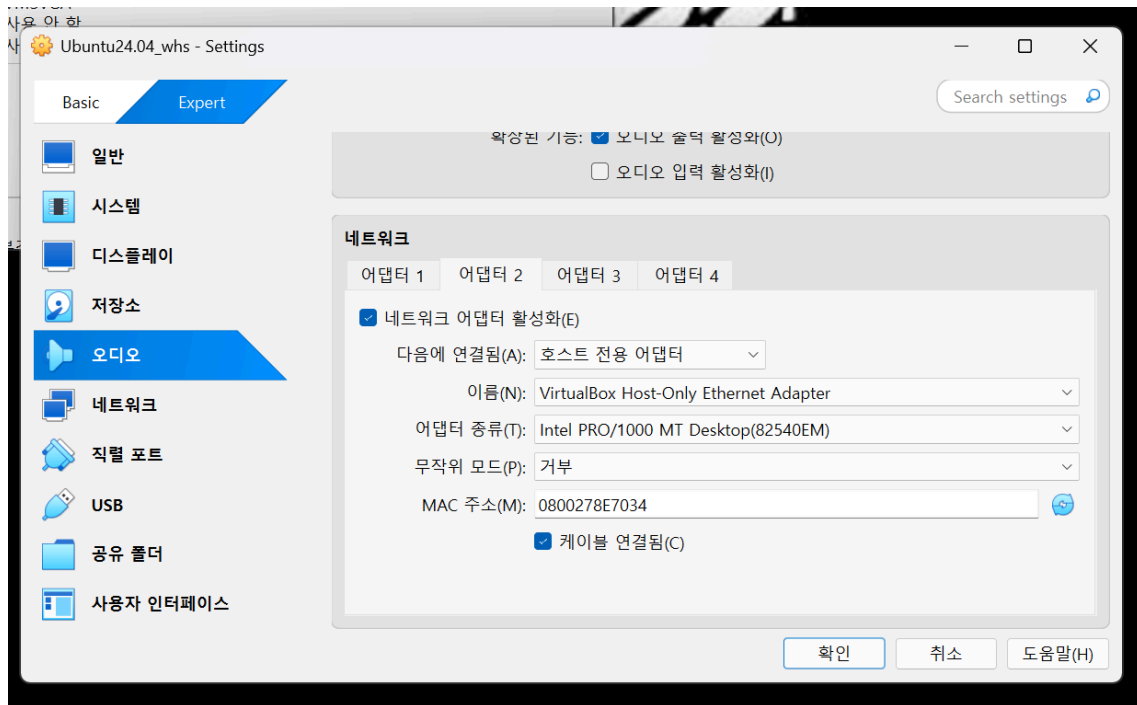
[WHS 3기] [가상머신과 네트워킹] 33반-김신아 (9502)



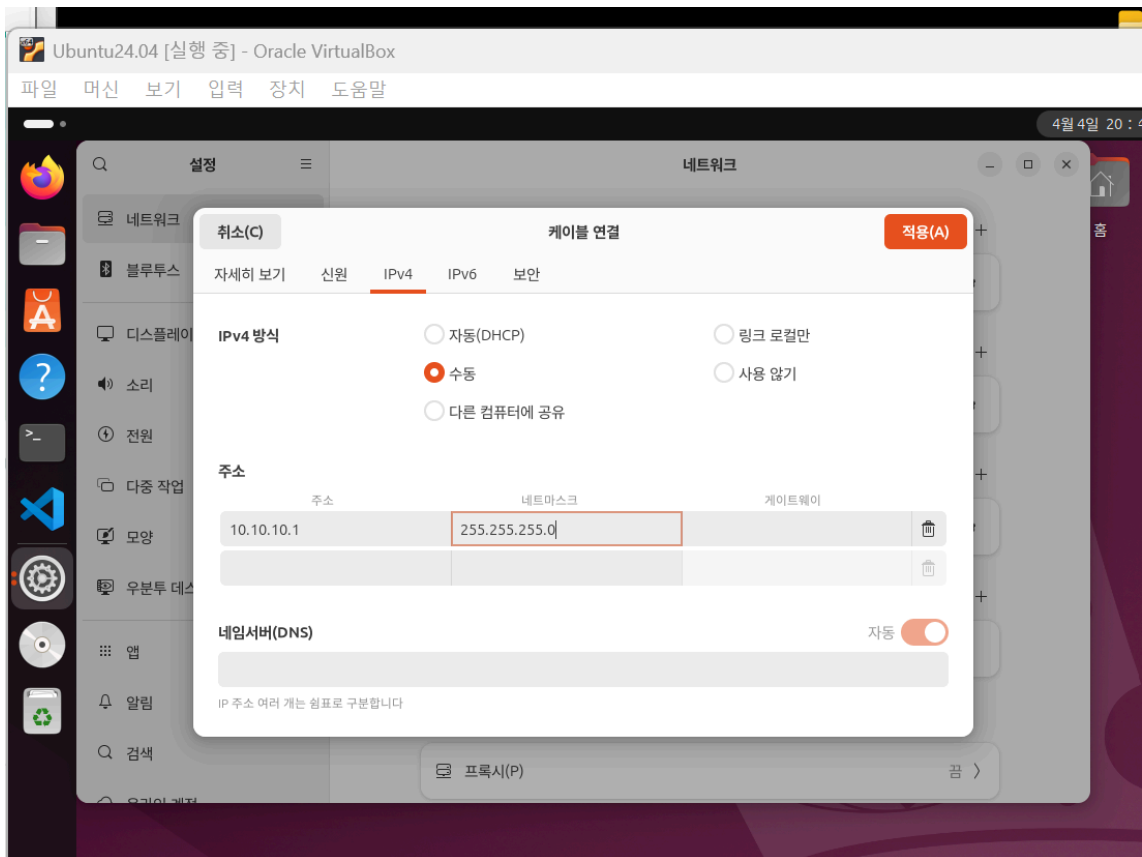


우분투 #1

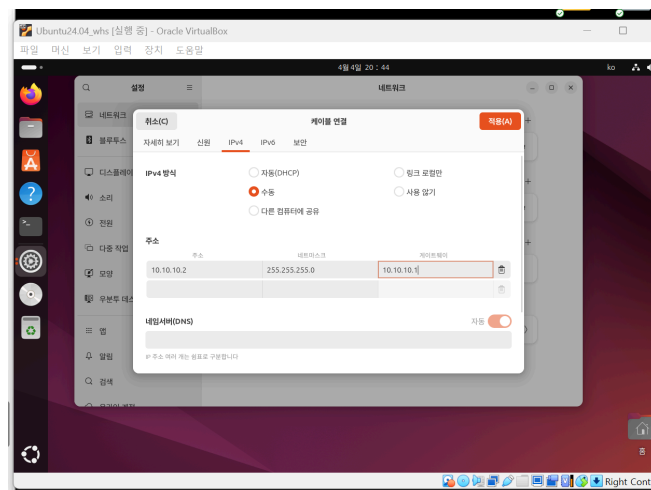




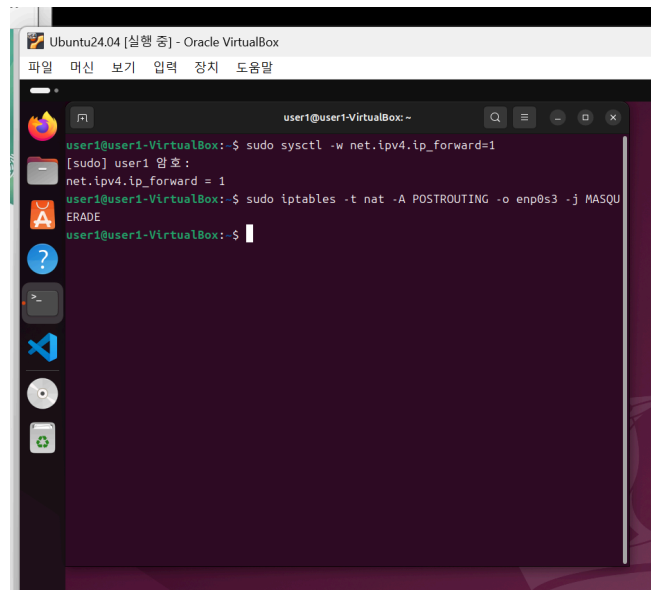
우분투 #2



우분투 #1 : ip주소 설정
[게이트웨이 미설정 중요]

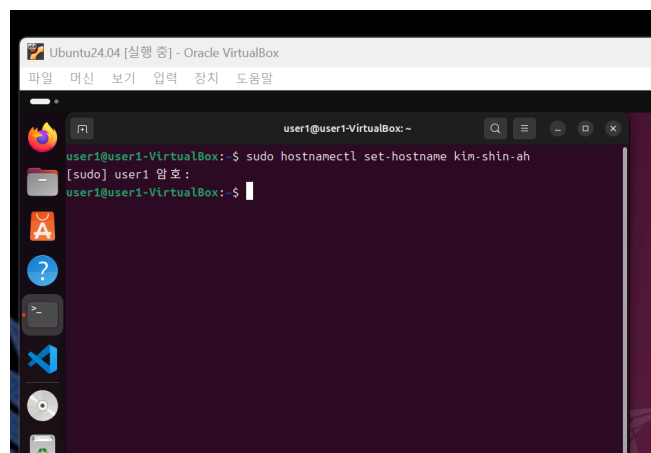


우분투 #2 : ip 주소 설정 및 기본 라우팅 설정
[게이트웨이 설정 중요]

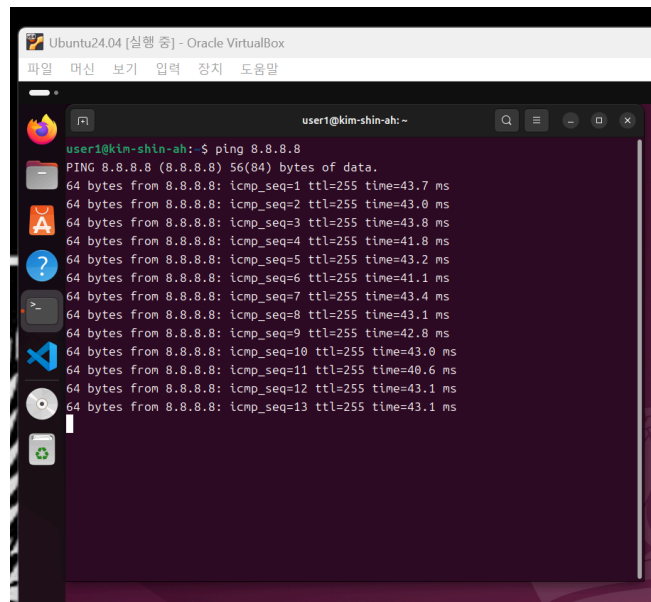


ip 라우팅 = `sudo sysctl-w net.ipv4.ip_forward=1`

ip 주소 변환 = `sudo iptables -t nat -A POSTROUTING -o enp0s3 -j MASQUERADE`

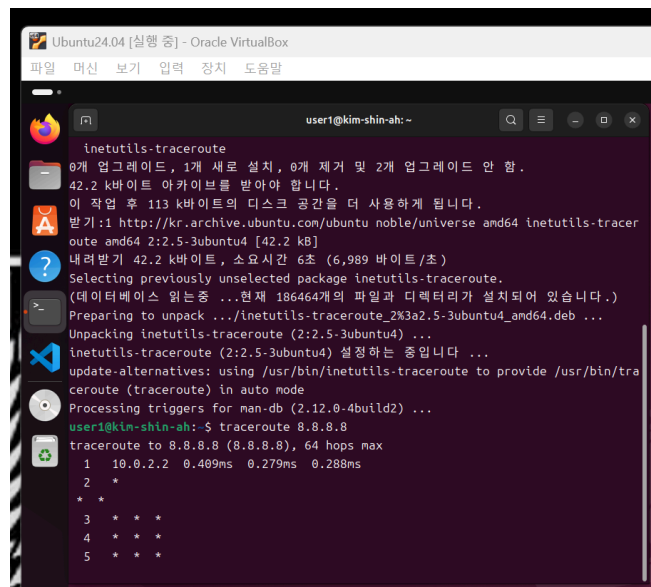


호스트명 변경 후 다시 시작 하기



```
user1@kin-shin-ah: ~  
user1@kin-shin-ah:~$ ping 8.8.8.8  
PING 8.8.8.8 (8.8.8.8) 56(84) bytes of data:  
64 bytes from 8.8.8.8: icmp_seq=1 ttl=255 time=43.7 ms  
64 bytes from 8.8.8.8: icmp_seq=2 ttl=255 time=43.0 ms  
64 bytes from 8.8.8.8: icmp_seq=3 ttl=255 time=43.8 ms  
64 bytes from 8.8.8.8: icmp_seq=4 ttl=255 time=41.8 ms  
64 bytes from 8.8.8.8: icmp_seq=5 ttl=255 time=43.2 ms  
64 bytes from 8.8.8.8: icmp_seq=6 ttl=255 time=41.1 ms  
64 bytes from 8.8.8.8: icmp_seq=7 ttl=255 time=43.4 ms  
64 bytes from 8.8.8.8: icmp_seq=8 ttl=255 time=43.1 ms  
64 bytes from 8.8.8.8: icmp_seq=9 ttl=255 time=42.8 ms  
64 bytes from 8.8.8.8: icmp_seq=10 ttl=255 time=43.0 ms  
64 bytes from 8.8.8.8: icmp_seq=11 ttl=255 time=40.6 ms  
64 bytes from 8.8.8.8: icmp_seq=12 ttl=255 time=43.1 ms  
64 bytes from 8.8.8.8: icmp_seq=13 ttl=255 time=43.1 ms
```

통신 확인
= ping8.8.8.8



```
user1@kin-shin-ah: ~  
user1@kin-shin-ah:~$ dpkg --get-selections inetutils-traceroute  
inetutils-traceroute  
0개 업그레이드, 1개 새로 설치, 0개 제거 및 2개 업그레이드 안 함.  
42.2 k바이트 아카이브를 받아야 합니다.  
이 작업 후 113 k바이트의 디스크 공간을 더 사용하게 됩니다.  
받기:1 http://kr.archive.ubuntu.com/ubuntu noble/universe amd64 inetutils-traceroute amd64 2:2.5-3ubuntu4 [42.2 kB]  
내려받기 42.2 k바이트, 소요시간 6초 (6,989 바이트/초)  
Selecting previously unselected package inetutils-traceroute.  
(데이터베이스 읽는중 ...현재 186464개의 파일과 디렉터리가 설치되어 있습니다.)  
Preparing to unpack .../inetutils-traceroute_2%3a2.5-3ubuntu4_and64.deb ...  
Unpacking inetutils-traceroute (2:2.5-3ubuntu4) ...  
inetutils-traceroute (2:2.5-3ubuntu4) 설정하는 중입니다 ...  
update-alternatives: using /usr/bin/inetutils-traceroute to provide /usr/bin/traceroute (traceroute) in auto mode  
Processing triggers for man-db (2.12.0-4build2) ...  
user1@kin-shin-ah:~$ traceroute 8.8.8.8  
traceroute to 8.8.8.8 (8.8.8.8), 64 hops max  
1 10.0.2.2 0.409ms 0.279ms 0.288ms  
2 *  
* *  
3 * * *  
4 * * *  
5 * * *
```

경로 추적 [설치 후 실행하기]
= traceroute 8.8.8.8