인공지능학부 211852 조나현

1.

- 터미널을 새로 시작하면, 설정 해놓은 hostname,domainname 이 원래대로 바뀐다.
- 즉 영구적이지 않다.

ens33: flags=4163<UP.BROADCAST.RUNNING.MULTICAST> mtu 1588 inet 192.168.142.129 netmask 255.255.255.8 broadcast 192.168.142.255 inet6 fe80::33a9:793e:a7bd:1b5a prefixlen 64 scopeid 8x28<link> ether 00:0c:29:87:63:f4 txqueuelen 1000 (Ethernet) RX packets 32342 bytes 48233168 (48.2 MB) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 2971 bytes 225698 (225.6 KB) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0 o: flags=73<UP.LOOPBACK.RUNNING> mtu 65536 inet 127.0.0.1 netmask 255.0.0.0 inet6 ::1 prefixlen 128 scopeid 0x10<host> loop txqueuelen 1000 (Local Loopback) RX packets 193 bytes 18475 (18.4 KB) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 193 bytes 18475 (18.4 KB) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0 To run a command as administrator (user "root"), use "sudo <command>". See "man sudo root" for details. oot@nahvune-victual-machine:/home/nahvune# ifconfig ens33 down oot@nahyune-virtual-machine:/home/nahyune# ifconfig ens33 PDS33: flags=4898<BROADCAST_MULTICAST> ntu 1588 inet 192,168,142,129 netnask 255,255,255,8 broadcast 192,168,142,255 inet6 fe80::6022:434a:aed7:ee97 prefixlen 64 scopeid 0x20<link> ether 00:0c:29:87:63:f4 txqueuelen 1000 (Ethernet) RX packets 32346 bytes 48234045 (48.2 MB) RX errors 0 dropped 0 overruns 0 frame 0 TX packets 2980 bytes 226535 (226.5 KB) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0 oot@nahvune-virtual-machine:/home/nahvune# ifconfig ens33 up ootBnahvune-virtual-machine:/home/nahvune# ifconfig ens33 ns33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST> ntu 1508 inet 192.168.142.129 netmask 255.255.255.0 broadcast 192.168.142.255 inet6 fe80::33a9:793e:a7bd:1b5a prefixlen 64 scopeid 0x20<link> ether 00:0c:29:87:63:f4 txqueuelen 1000 (Ethernet) RX packets 32354 bytes 48235382 (48.2 MB) RX errors 0 dropped 0 overrups 0 frame 0 TX packets 3015 bytes 230990 (230.9 KB) TX errors 0 dropped 0 overruns 0 carrier 0 collisions 0

- IP address: 192.168.142.129
- subnet mask: 255.255.255.0
- MAC address (ether): 00:0c:29:87:63:f4

ot@nahyune-virtual-machine:/home/nahyune# route Genmask Flags Metric Ref Use Iface 0.0.0.0 166 255.255.8.8 8 ens33 255,255,255.8 Use Iface estination Genmask 0.0.0.0 0.0.0.0 0 ens33 69.254.0.0 0.0.0.0 255.255.0.0 0 ens33 255,255,255.0 0 ens33 oot@nahyune-virtual-machine:/home/nahyune# route add default ow 192.168.142.3 oot@nahyune-virtual-machine:/home/nahyune# route Kernel IP routing table Destination Gateway Genmask Flags Metric Ref Use Iface default 0.0.0.0 0 ens33 gateway default gateway 0.0.0.0 0 ens33 link-local 0.0.0.0 255.255.8.8 192,168,142,0 0.0.0.0 255,255,255.8 root@nahvune-virtual-machine:/home/nahvune# route -n Kernel IP routing table Destination Gateway Cenmask Flags Metric Ref Use Iface 0.0.0.0 192,168,142,2 0.0.0.0 100 0 ens33 169.254.8.8 0.0.0.8 255.255.0.0 1000 0 ens33 192,168,142,0 0.0.0.0 255,255,255,8 U 100 0 ens33 root@nahyune-virtual-machine:/home/nahyune# route add default gw 192.168.142. root@nahyune-virtual-machine:/home/nahyune# route Kernel IP routing table Destination Gateway Genmask Flags Metric Ref Use Iface default 0 ens33 gateway 0.0.0.0 default gateway 0.0.0.0 100 0 ens33

root@nahvune-v	irtual-machine:/	home/nahvune# ro	ute -n				
Kernel IP rout							
Destination		Genmask	Flags	Metric	Ref	Use	Iface
0.0.0.0	192.168.142.3		UG	0	0		ens33
0.0.0.0	192.168.142.2	0.0.0.0	UG	100	0	0	ens33
169.254.0.0	0.0.0.0	255.255.0.0		1000	0	0	ens33
192.168.142.0	0.0.0.0			100	0	0	ens33
root@nahyune-v	irtual-machine:/	home/nahyune# ro	ute add	-net 1	92.168	.143.	0 netma
	gw 192.168.142.						
root@nahyune-v	irtual-machine:/	home/nahyune# го	ute				
Kernel IP rout							
Destination	Gateway	Genmask	Flags	Metric	Ref	Use	Iface
default	gateway	0.0.0.0	UG	6	0	0	ens33
default	gateway	0.0.0.0	UG	20100		0	ens33
link-local		255.255.0.0		1000	0		ens33
102 168 142 A				188		A	
	irtual-machine:/h	nome/nahyune# rou	ıte -n				
Kernel IP routi							
Destination		Genmask		Metric	Ref		Iface
0.0.0.0	192.168.142.3	0.0.0.0	UG				ens33
0.0.0.0	192.168.142.2	0.0.0.0	UG	20100			ens33
169.254.0.0	0.0.0.0	255.255.0.0		1000			ens33
192.168.142.0	0.0.0.0	255.255.255.0		100			ens33
192.168.143.0	192.168.142.3	255.255.255.0	UG	θ	0	0	ens33

- 192.168.143.0/24 네트워크로 가는 패킷은 192.168.142.3 IP 주소를 가진 게이트웨이를 통해 전 송될 것입니다. 이를 통해 목적지 네트워크로의 패 킷 전송이 가능해집니다.
- route del 명령어를 통해 삭제할 수 있다.

: route del -net 192.168.143.0 netmask 255.255.255.0 gw 192.168.142.3

peterpan@127.0.0.1's password:

4.

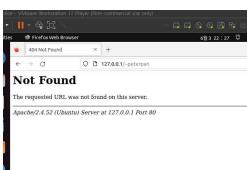
```
oot@nahvune-virtual-machine:/home/nahvune# apt-get install openssh-server
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
openssh-server is already the newest version (1:8.9p1-3ubuntu0.1).
ungraded. 8 newly installed. 8 to remove and 158 not upgraded.
cot@nahvune-virtual-machine:/home/nahvune# netstat -ntl
active Internet connections (only servers)
roto Recv-O Send-O Local Address
                                           Foreign Address
                 0 127.0.0.1:631
                                           0.0.0.0:*
                 0 127.0.0.53:53
                 0 0.0.0.0:22
                                           0.0.0.0:*
                                                                   LISTEN
                                                                   LISTEN
                                                                   LISTEN
                 0 :::80
oot@nahvune-virtual-machine:/home/nahyune# ssh peterpan@127.0.0.1
The authenticity of host '127.0.0.1 (127.0.0.1)' can't be established.
ED25519 key fingerprint is SHA256:PB7Dea078JpyarLp54Wwhx5nH/TbcK6ni8faI0pqN8c.
This key is not known by any other names
Are you sure you want to continue connecting (yes/no/[fingerprint])? y
Please type 'ves', 'no' or the fingerprint: v
Please type 'yes', 'no' or the fingerprint: yes
Warning: Permanently added '127.0.0.1' (ED25519) to the list of known hosts.
```

```
* Documentation: https://help.ubuntu.com
 * Management:
                   https://landscape.canonical.com
                   https://ubuntu.com/advantage
  Introducing Expanded Security Maintenance for Applications.
   Receive updates to over 25,000 software packages with your
   Ubuntu Pro subscription. Free for personal use.
     https://ubuntu.com/pro
Expanded Security Maintenance for Applications is not enabled.
163 updates can be applied immediately.
34 of these updates are standard security updates.
To see these additional updates run: apt list --upgradable
Enable ESM Apps to receive additional future security updates.
See https://ubuntu.com/esm or run: sudo pro status
The programs included with the Ubuntu system are free software:
the exact distribution terms for each program are described in the
individual files in /usr/share/doc/*/copyright.
Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by
applicable law.
peterpan@nahvune-virtual-machine:-S whoami
peterpan
peterpan@nahvune-virtual-machine:-S id
uid=2009(peterpan) gid=2009(peterpan) groups=2009(peterpan).27(sudo)
peterpan@nahvune-virtual-machine:-S exit
Logout
Connection to 127 A.A.1 closed.
```

Welcome to Ubuntu 22.04.2 LTS (GNU/Linux 5.19.0-42-generic x86_64)

Apache2 Ubuntu Default Park + ← → C O D 127.0.0.1 Apache2 Default Page Ubuntu This is the default welcome page used to test the correct operation of the Apache2 server after Ubuntu systems. It is based on the equivalent page on Debian, from which the Ubuntu Apache I you can read this page, it means that the Apache HTTP server installed at this site is working pr replace this file (located at /var/www/html/index.html) before continuing to operate you If you are a normal user of this web site and don't know what this page is about, this probably n currently unavailable due to maintenance. If the problem persists, please contact the site's adm Configuration Overview Ubuntu's Apache2 default configuration is different from the upstream default configuration. files optimized for interaction with Ubuntu tools. The configuration system is fully documente /doc/apache2/README.Deblan.gz. Refer to this for the full documentation. Documentation for itself can be found by accessing the manual if the apache2 - doc package was installed on this The configuration layout for an Apache2 web server installation on Ubuntu systems is as follow /etc/anache2/ I -- apache2.conf '-- ports.conf I -- mods-enabled /-- *. load

| -- *.conf |-- conf-enabled



• 5.



• 6.

