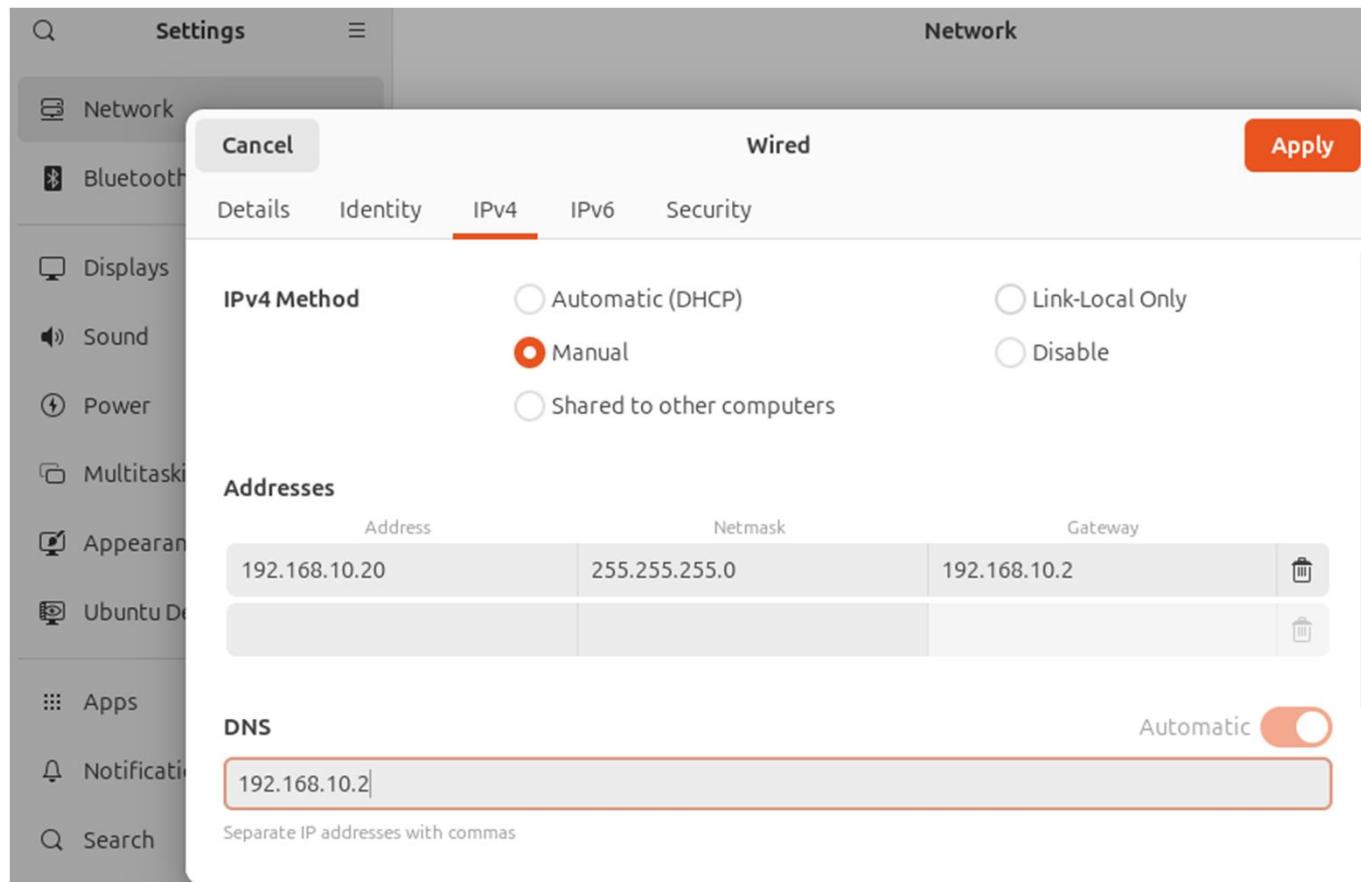


Ubuntu 24.04 환경 설정

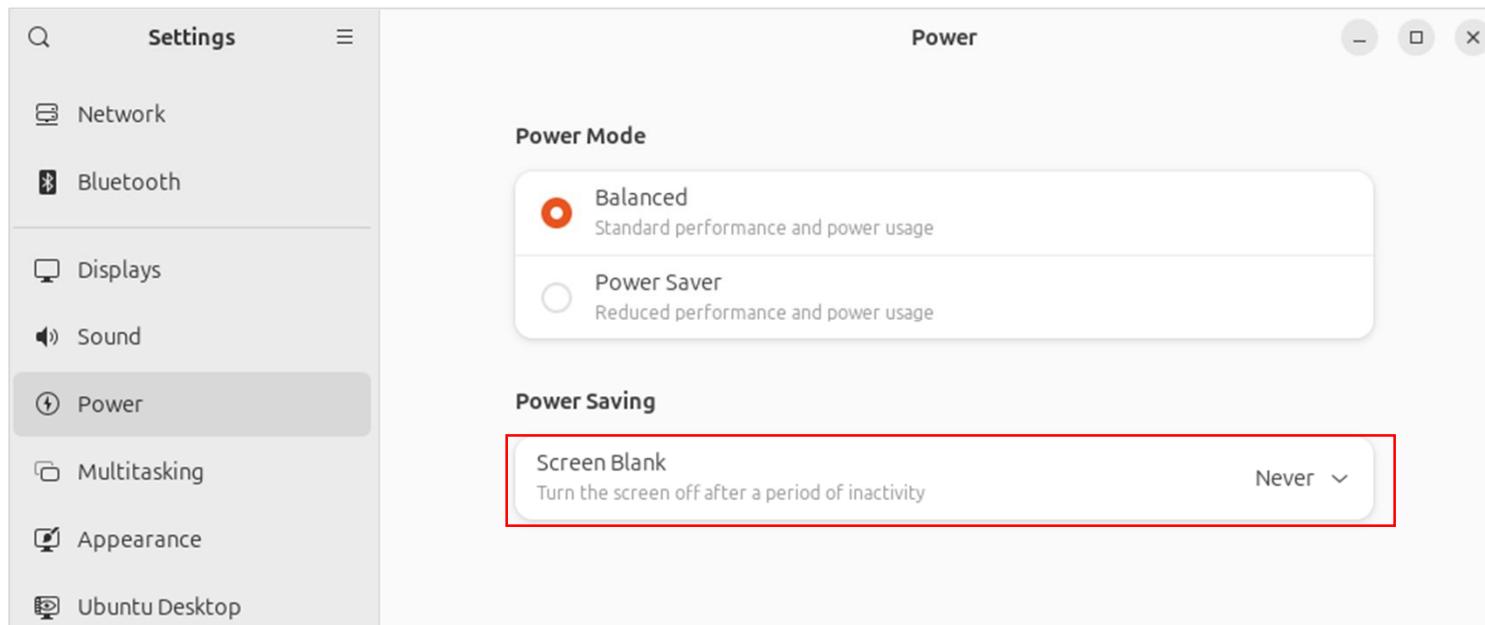
① 네트워크 설정

- Settings > network



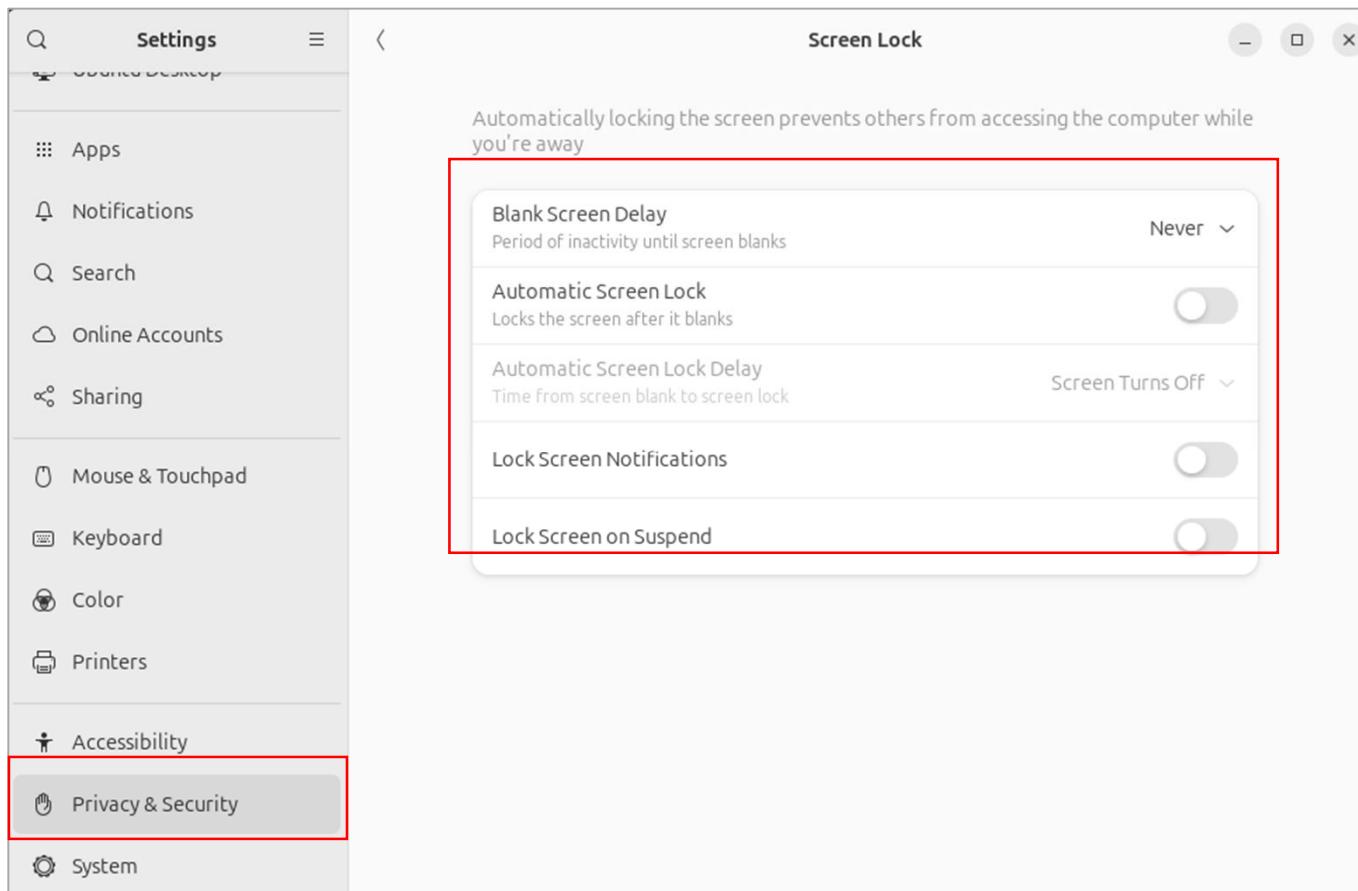
② 빈 화면(screen blank) 비활성화

- Settings > Power



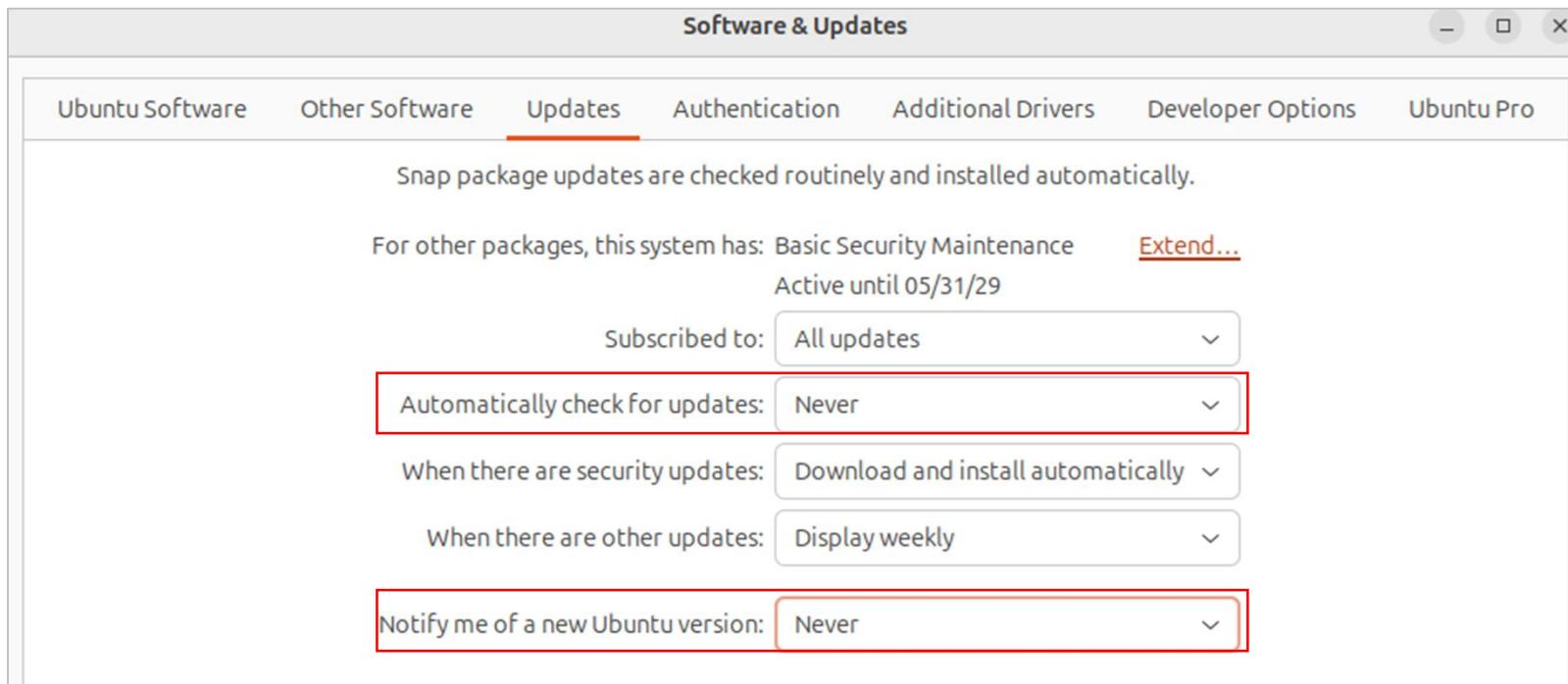
③ 화면 잠금(screen lock) 비활성화

- Settings > Privacy & Security



④ 소프트웨어 업데이트 기능 비활성화

- Software & Updates



⑤ 패키지 업데이트

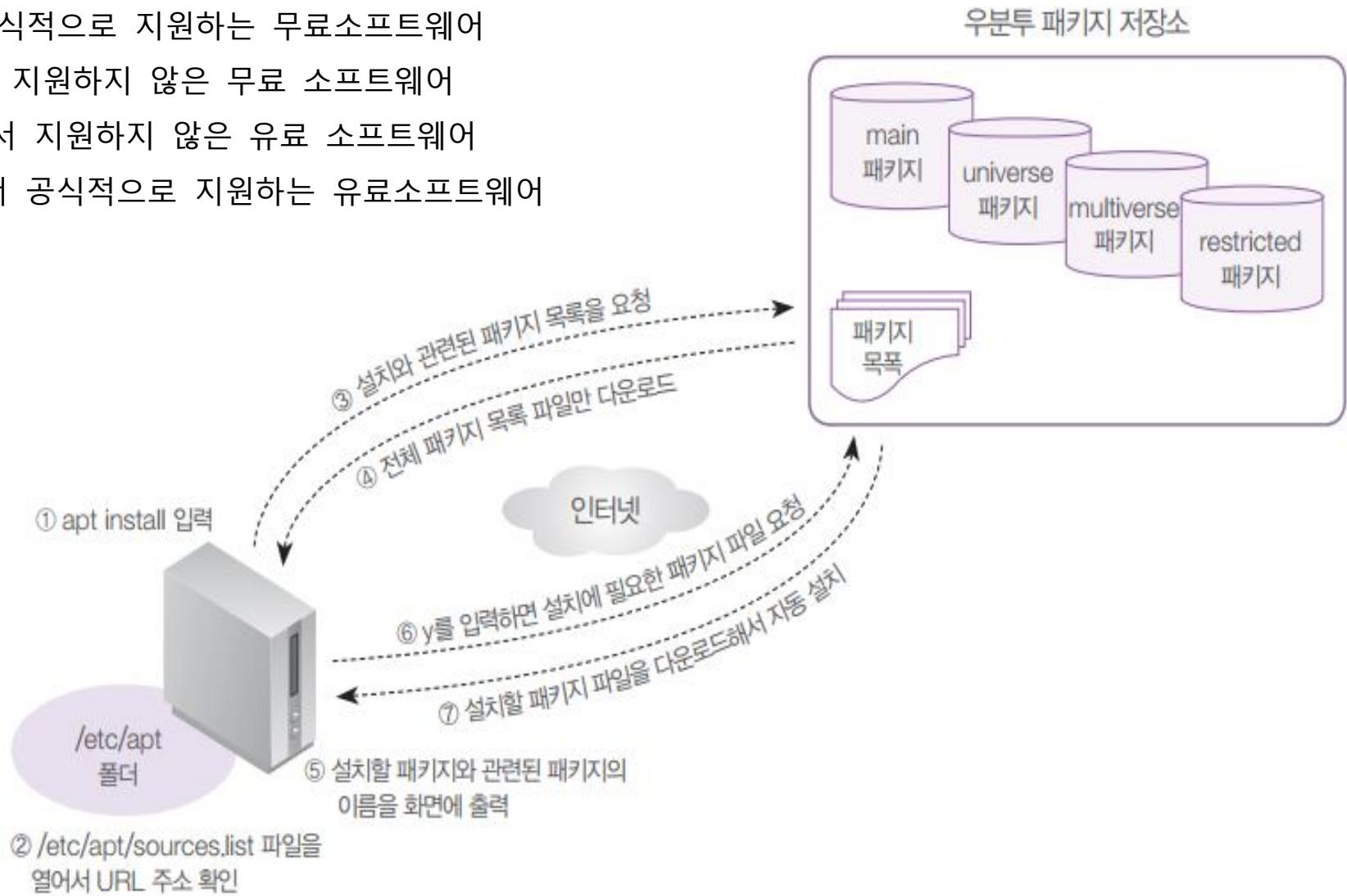
```
#cat /etc/apt/sources.list.d/ubuntu.sources
```

```
root@splunk:/etc/apt/sources.list.d# ls
ubuntu.sources  ubuntu.sources.curtin.orig
root@splunk:/etc/apt/sources.list.d# cat ubuntu.sources
Types: deb
URIs: http://archive.ubuntu.com/ubuntu/
Suites: noble noble-updates noble-backports
Components: main restricted universe multiverse
Signed-By: /usr/share/keyrings/ubuntu-archive-keyring.gpg

Types: deb
URIs: http://security.ubuntu.com/ubuntu/
Suites: noble-security
Components: main restricted universe multiverse
Signed-By: /usr/share/keyrings/ubuntu-archive-keyring.gpg
root@splunk:/etc/apt/sources.list.d#
```

```
#apt update
```

- Main : 우분투에서 공식적으로 지원하는 무료소프트웨어
- Universe : 우분투에서 지원하지 않은 무료 소프트웨어
- Multiverse : 우분투에서 지원하지 않은 유료 소프트웨어
- Restricted : 우분투에서 공식적으로 지원하는 유료소프트웨어



⑥ 네트워크 툴 설치

```
#apt install -y net-tools
```

```
root@splunk:/# apt install -y net-tools
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following NEW packages will be installed:
  net-tools
0 upgraded, 1 newly installed, 0 to remove and 194 not upgra
Need to get 204 kB of archives.
After this operation, 811 kB of additional disk space will b
Get:1 http://archive.ubuntu.com/ubuntu noble/main amd64 net-
Fetched 204 kB in 2s (87.3 kB/s)
Selecting previously unselected package net-tools.
(Reading database ... 161234 files and directories currently
Preparing to unpack .../net-tools_2.10-0.1ubuntu4_amd64.deb
Unpacking net-tools (2.10-0.1ubuntu4) ...
Setting up net-tools (2.10-0.1ubuntu4) ...
Processing triggers for man-db (2.12.0-4build2) ...
```

```
#ifconfig
```

```
root@splunk:/# ifconfig
ens33: flags=4163<UP,BROADCAST,RUNNING,MULTICAST>  mtu 1500
          inet 192.168.10.10  netmask 255.255.255.0  broadcast 192.168.10.255
                ether 00:0c:29:0a:aa:90  txqueuelen 1000  (Ethernet)
                  RX packets 24909  bytes 36537031 (36.5 MB)
                  RX errors 0  dropped 0  overruns 0  frame 0
                  TX packets 2366  bytes 195972 (195.9 KB)
                  TX errors 0  dropped 0  overruns 0  carrier 0  collisions 0
```

7 방화벽 설정

```
#ufw enable
```

```
#ufw allow 80/tcp
```

```
#ufw status
```

```
<<Rule 삭제 또는 방화벽 비활성화>>
```

```
#ufw disable
```

```
#ufw delete allow 80/tcp
```

⑧ SSH 설치

```
#apt install -y openssh-server
```

```
#nano /etc/ssh/sshd_config
```

Port 22

```
#systemctl restart ssh
```

```
#systemcl status ssh
```

```
#ufw allow 22/tcp
```

```
#ufw status
```

```
root@zeekids:~# cat /etc/ssh/sshd_config
# This is the sshd server system-wide configuration file.
# sshd_config(5) for more information.

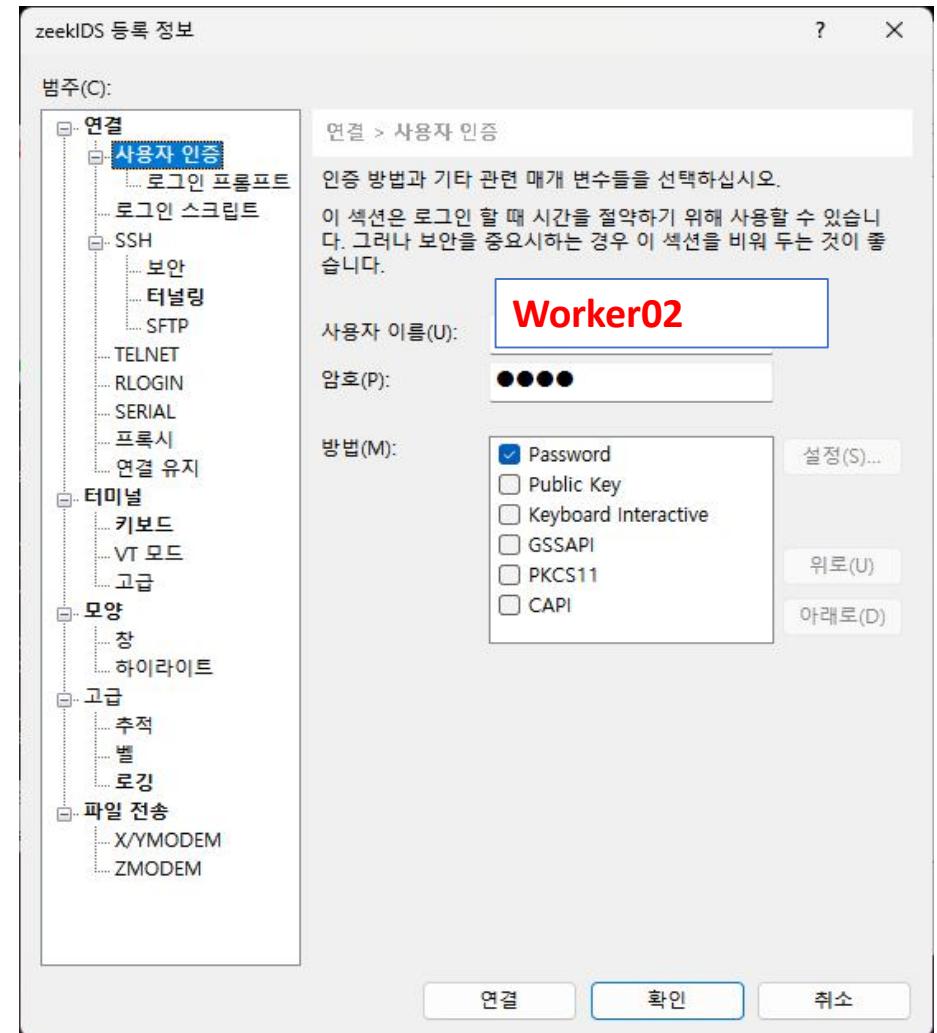
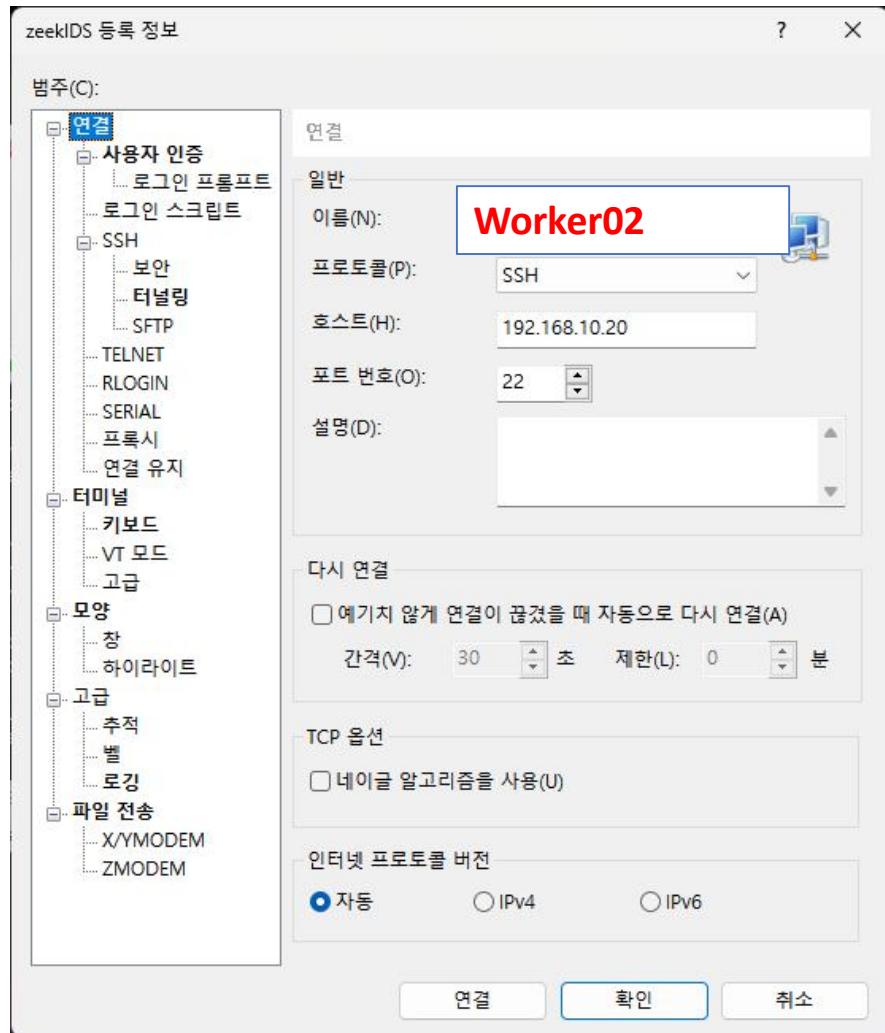
# This sshd was compiled with PATH=/usr/local/sbin:/usr/loc
# The strategy used for options in the default sshd_config
# OpenSSH is to specify options with their default value wh
# possible, but leave them commented. Uncommented options
# default value.

Include /etc/ssh/sshd_config.d/*.conf

Port 22
#AddressFamily any
#ListenAddress 0.0.0.0
#ListenAddress ::
```

```
root@zeekids:~# ufw status
Status: active

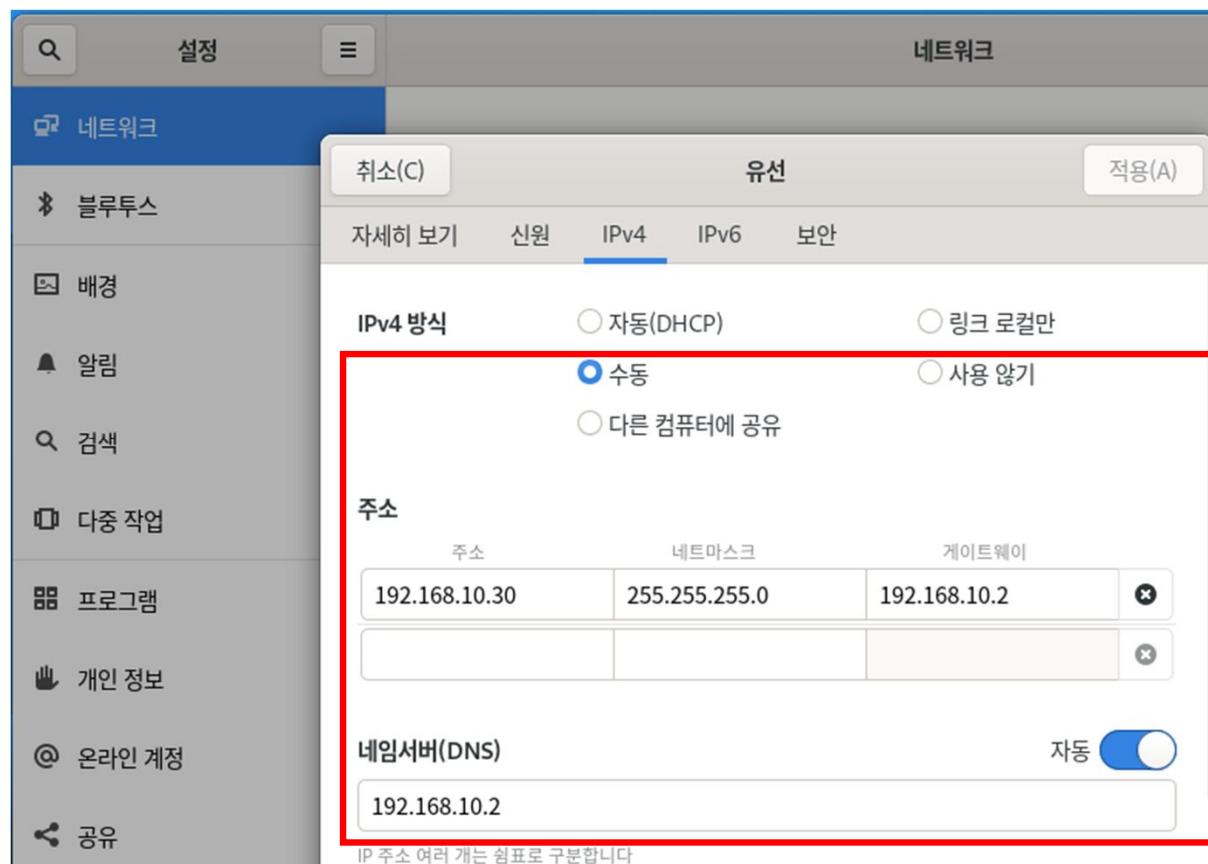
To                         Action      From
--                         --         --
22/tcp                      ALLOW      Anywhere
22/tcp (v6)                  ALLOW      Anywhere (v6)
```



Rocky Linux 환경 설정

1 네트워크 설정

- 설정 > 네트워크



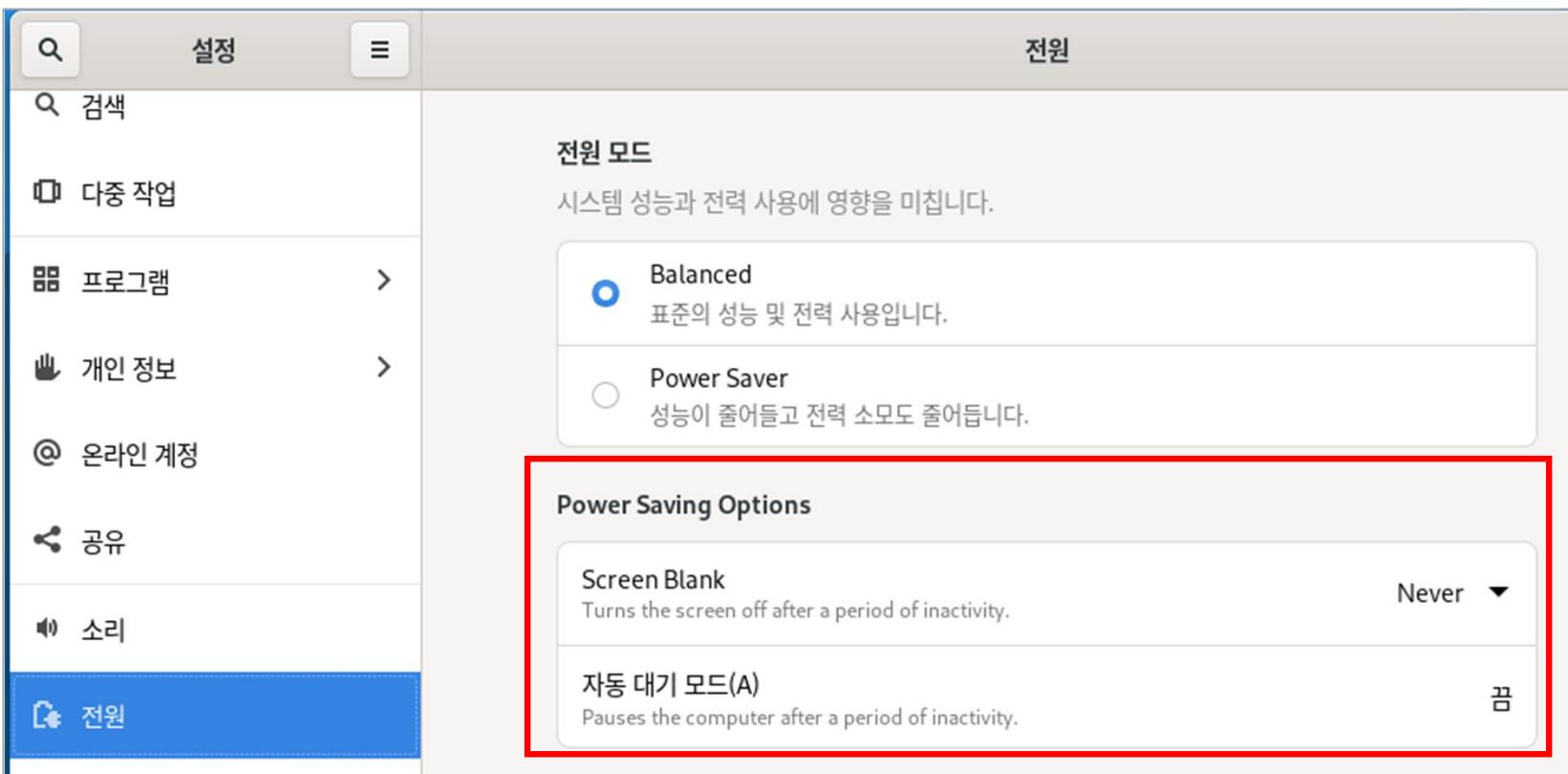
2 화면 잠금

- 설정 > 개인 정보 > 화면잠금



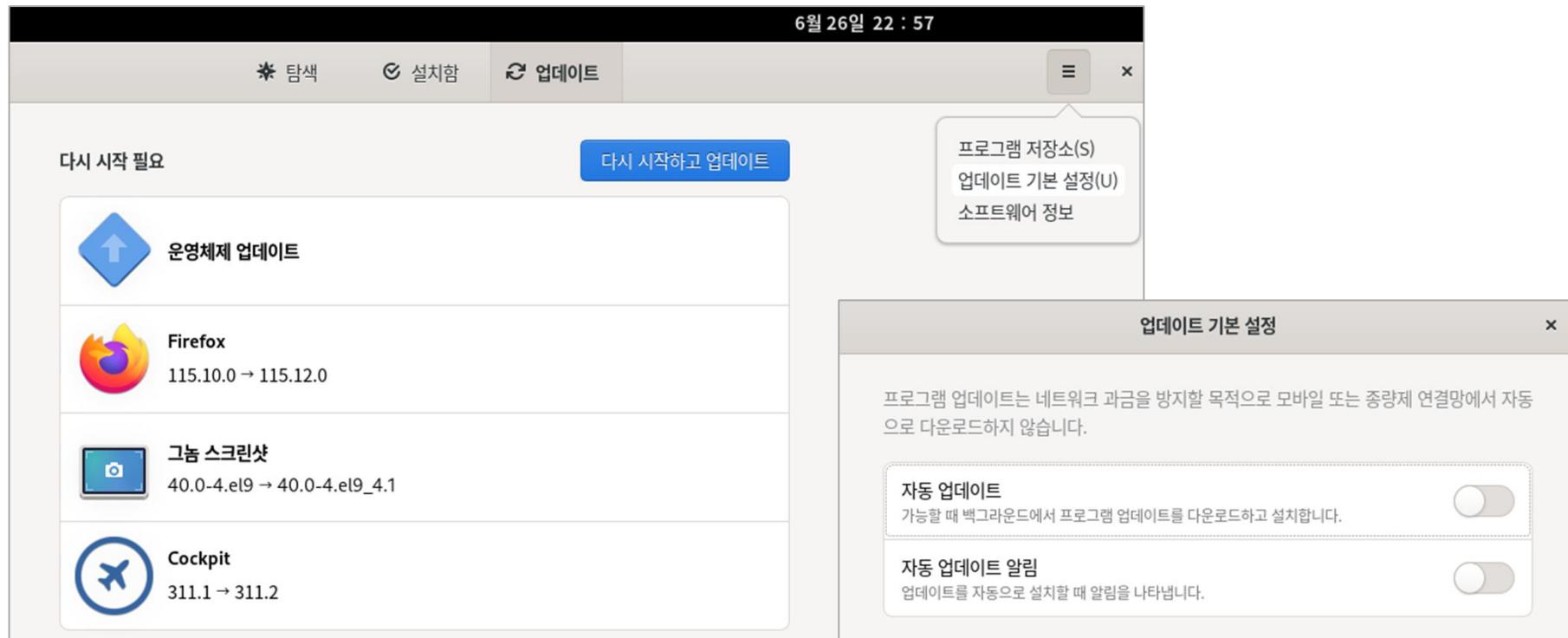
3 빈 화면 비활성

- 설정 > 전원



④ 자동 업데이트 기능 끔

- 설정 > 정보 > 소프트웨어 업데이트 > 업데이트 기본설정



5 저장소 update

```
#cd /etc/yum.repos.d  
#mkdir backup  
#mv *.repo backup  
  
#cd /etc/yum.repos.d  
  
#nano rokcy.repo
```

```
[root@localhost yum.repos.d]# cat rocky.repo  
[baseos]  
name=Rocky Linux $releasever - BaseOS  
baseurl=https://dl.rockylinux.org/vault/rocky/9.0/BaseOS/x86_64/os/  
gpgcheck=0  
  
[appstream]  
name=Rocky Linux $releasever - AppStream  
baseurl=https://dl.rockylinux.org/vault/rocky/9.0/AppStream/x86_64/os/  
gpgcheck=0  
  
[extras]  
name= Rocky Linux $releasever - Extras  
baseurl=https://dl.rockylinux.org/vault/rocky/9.0/extras/x86_64/os/  
gpgcheck=0
```

```
#dnf clean all
```

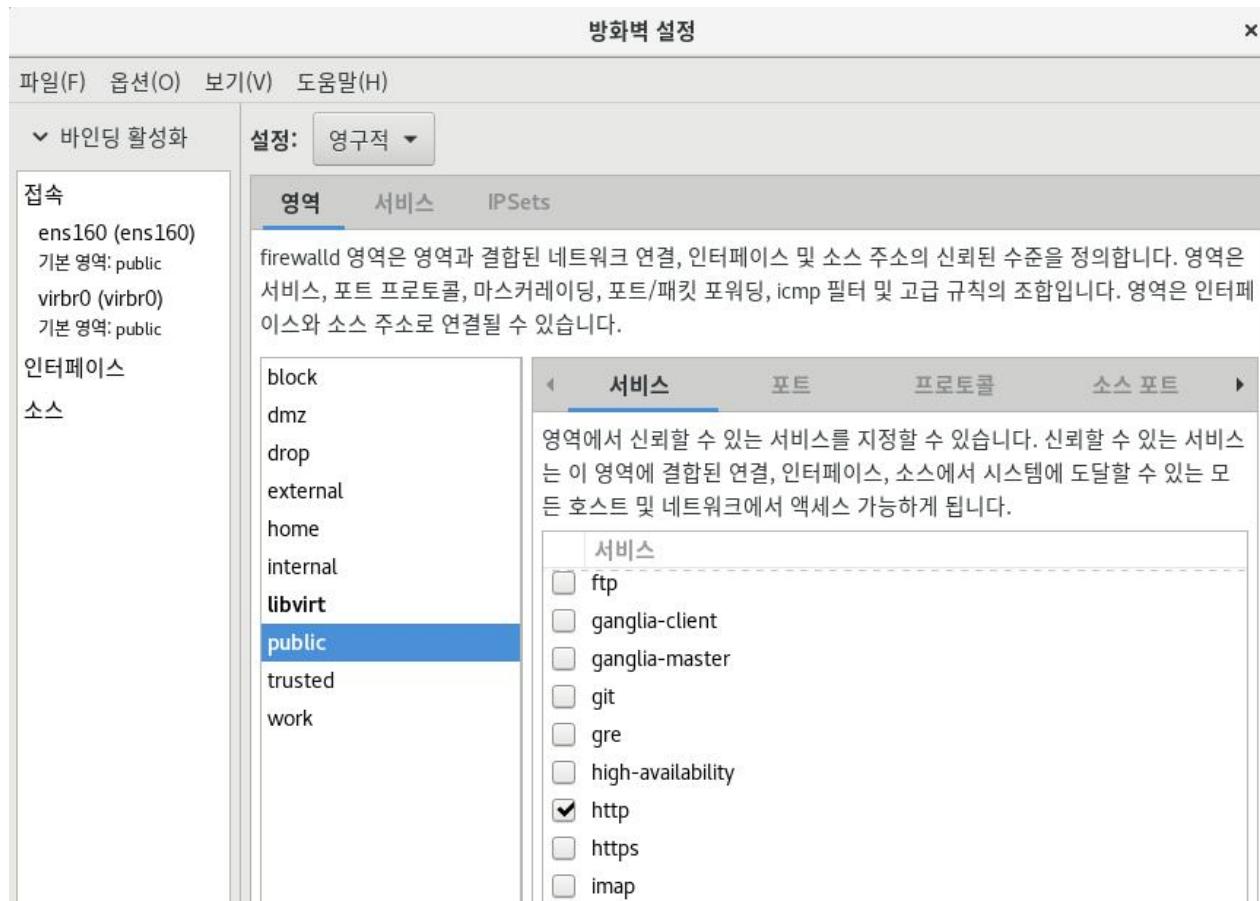
```
[root@localhost yum.repos.d]# dnf clean all  
25 파일이 삭제되었습니다  
[root@localhost yum.repos.d]#
```

6 방화벽 설치

```
#dnf install -y firewall-config
```

```
[root@rsyslog-client local]# dnf install -y firewall-config
마지막 메타 데이터 만료 확인 : 14:58:47 전에 2022년 08월 06일 (토) 오후 09시 40분 05초 .
종속성이 해결되었습니다 .
=====
꾸러미          아키텍처      버전          리포지토리      크기
=====
Installing:
firewall-config      noarch      0.6.3-7.el8      AppStream      157 k
거래 요약
=====
설치 1 꾸러미
=====
총 다운로드 크기 : 157 k
설치 크기 : 1.1 M
패키지 다운로드 중 :
firewall-config-0.6.3-7.el8.noarch.rpm          62 kB/s | 157 kB   00:02
=====
합계
트랜잭션 점검 실행 중
트랜잭션 검사가 성공했습니다 .
트랜잭션 테스트 실행 중
트랜잭션 테스트가 완료되었습니다 .
거래 실행 중
준비 중입니다 :          1/1
Installing : firewall-config-0.6.3-7.el8.noarch      1/1
스크립틀릿 실행: firewall-config-0.6.3-7.el8.noarch      1/1
확인 중       : firewall-config-0.6.3-7.el8.noarch      1/1
설치됨 :
firewall-config-0.6.3-7.el8.noarch
완료되었습니다 !
```

#firewall-config

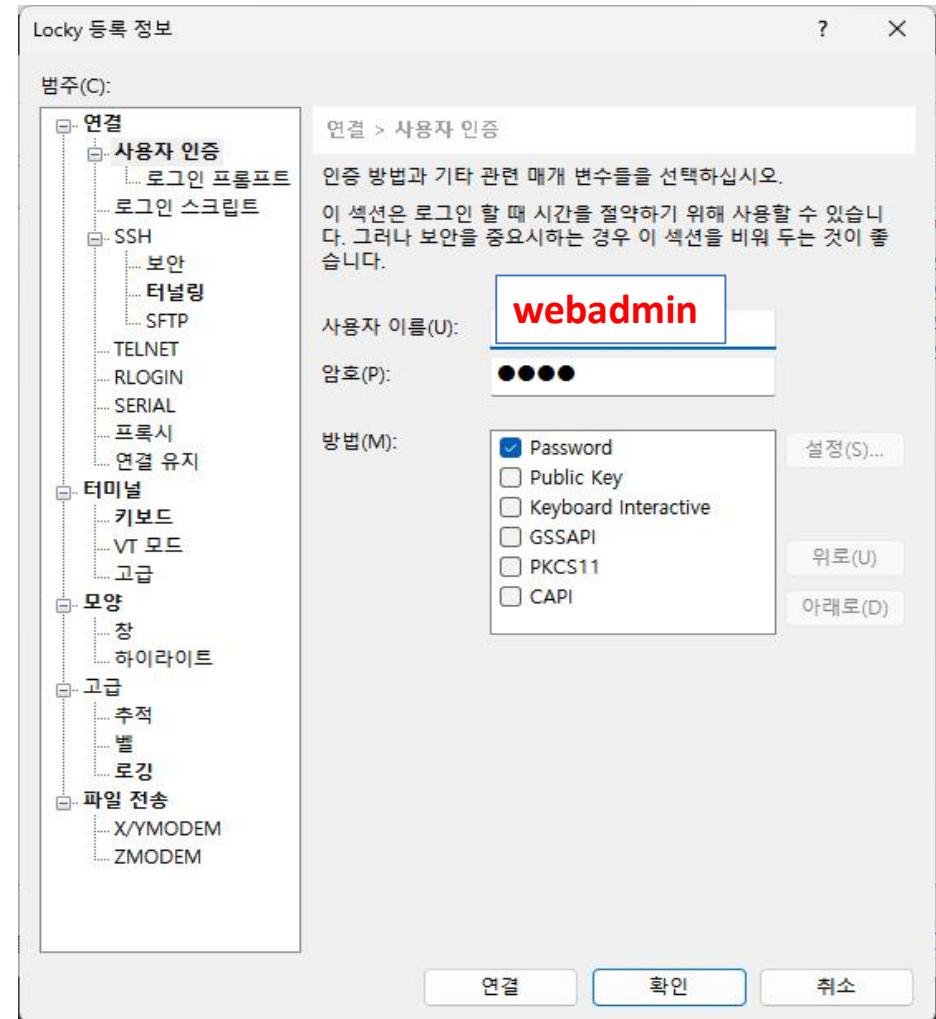
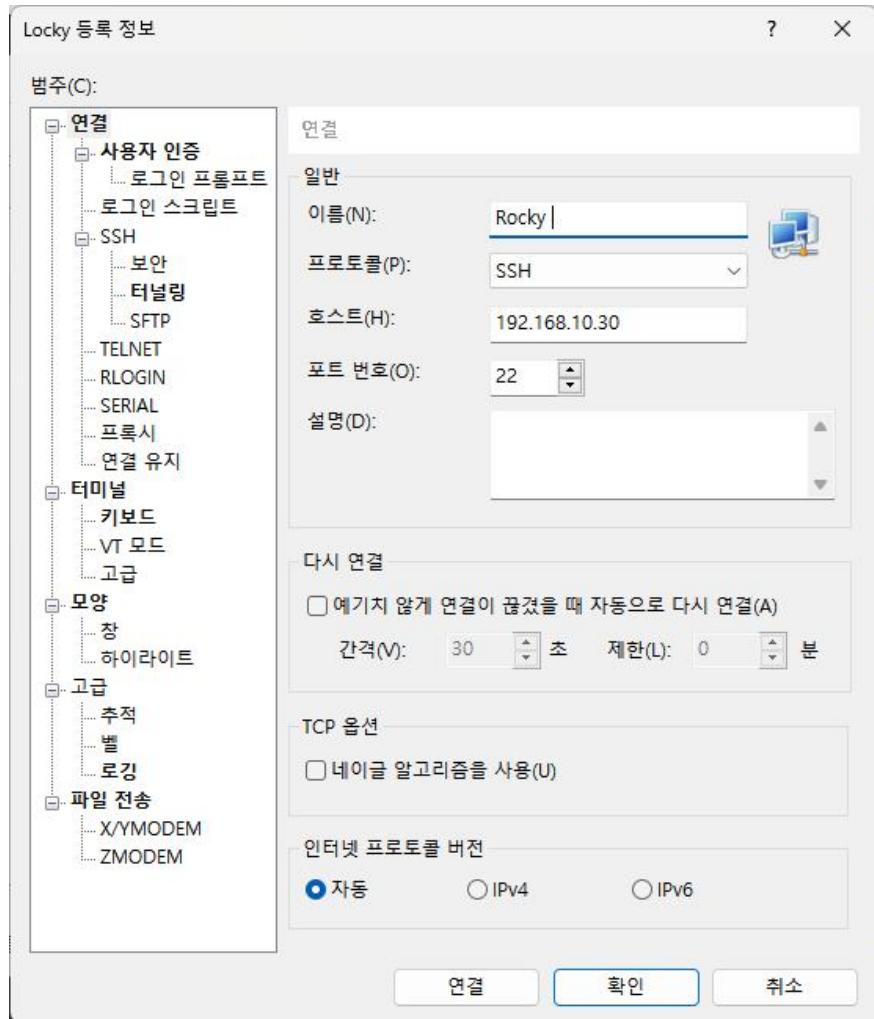


7 SSH 활성화

```
#rpm -qa openssh-server
```

```
#systemctl status sshd
```

```
[root@localhost /]# rpm -qa openssh-server
openssh-server-8.7p1-38.el9.x86_64
[root@localhost /]#
[root@localhost /]# systemctl status sshd
● sshd.service - OpenSSH server daemon
    Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; preset: enabled)
    Active: active (running) since Wed 2024-06-26 22:16:08 KST; 59min ago
      Docs: man:sshd(8)
             man:sshd_config(5)
   Main PID: 1059 (sshd)
     Tasks: 1 (limit: 24456)
    Memory: 2.6M
       CPU: 64ms
      CGroup: /system.slice/sshd.service
              └─1059 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"
```



7 Selinux 비활성화

```
#sestatus
```

```
#grubby --update-kernel ALL --args selinux=0
```

```
#sestatus
```

SELinux(Security Enhanced Linux)

- 리눅스의 근본적이고 구조적인 보안 약점(소스공개)을 보완하기 위한 리눅스 확장 도구이자 보안 모듈
- 강제 접근 통제(MAC; Mandatory Access Control)에 기반한 접근 제어
 - 미리 정해진 정책과 보안 등급에 의거하여 주체에게 허용된 접근 권한과 객체에게 부여된 허용 등급을 비교하여 접근을 통제

⑧ SSH 활성화

```
#rpm -qa openssh-server
```

```
#systemctl status sshd
```

```
[root@localhost /]# rpm -qa openssh-server
openssh-server-8.7p1-38.el9.x86_64
[root@localhost /]#
[root@localhost /]# systemctl status sshd
● sshd.service - OpenSSH server daemon
    Loaded: loaded (/usr/lib/systemd/system/sshd.service; enabled; preset: enabled)
    Active: active (running) since Wed 2024-06-26 22:16:08 KST; 59min ago
      Docs: man:sshd(8)
             man:sshd_config(5)
   Main PID: 1059 (sshd)
      Tasks: 1 (limit: 24456)
     Memory: 2.6M
        CPU: 64ms
      CGroup: /system.slice/sshd.service
              └─1059 "sshd: /usr/sbin/sshd -D [listener] 0 of 10-100 startups"
```

[참조] 수동 네트워크 활성화/비활성화

```
#cd /etc/NetworkManager/system-connections
```

```
#ls
```

```
#cat ens160.nmconnection
```

```
#nmcli connection down ens160
```

```
#nmcli connection up ens160
```

```
#reboot
```

```
[root@localhost /]# cd /etc/NetworkManager/system-connections/  
[root@localhost system-connections]# ls  
ens160.nmconnection  
[root@localhost system-connections]# cat ens160.nmconnection  
[connection]  
id=ens160  
uuid=be72033d-4de8-3ec4-afa9-a976273e622b  
type=ethernet  
autoconnect-priority=-999  
interface-name=ens160  
  
[ethernet]  
  
[ipv4]  
address1=192.168.10.30/24,192.168.10.2  
dns=192.168.10.2;  
method=manual  
  
[ipv6]  
addr-gen-mode=eui64  
method=auto  
  
[proxy]  
[root@localhost system-connections]# █
```

[참조] 패키지 설치 유틸리티

Debian 계열	<ul style="list-style-type: none">• dpkg• apt-get	<code>dpkg -l 패키지명</code> <code>apt-get install -y 패키지명</code>
Redhat 계열	<ul style="list-style-type: none">• rpm• yum• dnf (RHEL 8부터 사용)	<code>rpm -qa 패키지명</code> <code>yum install -y 패키지명</code> <code>dnf install -y 패키지명</code>