제03장

Ubuntu 설치

DevOps

```
each: function(e, t, n) {
Ubuntu 설치
                for (i in e)
                   if (r = t.apply(e[.], n), r
        else if (a)
           for (; o > i; i++)
               if (r = t.call(e[i], i, e[i])
       } else
           for (i in e)
               if (r = t.call(e[i], i, e[i
       return e
   trim: b && !b.call("\ufeff\u00a0")
       return null == e ? "" : b.call(
   } : function(e) {
       return null == e ? "" : (e +
   makeArray: function(e, t) {
```

학습목표

1. Ubuntu 운영체제를 설치할 수 있다.

```
each: function(e, t, n) {
Ubuntu 설치
                for (i in e)
                   if (r = t.apply(e[4], n), r
        } else if (a)
           for (; o > i; i++)
               if (r = t.call(e[i], i, e[i])
       } else
           for (i in e)
               if (r = t.call(e[i], i, e[i
       return e
   trim: b && !b.call("\ufeff\u00a0")
       return null == e ? "" : b.call(
   } : function(e) {
       return null == e ? "" : (e +
   makeArray: function(e, t) {
```

목차

1. Ubuntu 운영체제 설치

```
[e[i], n), r === !1) break
           for (i in e)
               else if (a)
       for (; o > i; i++)
           if (r = t.call(e[i],
                               , e[i]), r === !1) break
    } else
       for (i in e)
                               , e[i]), r === !1) break;
           if (r = t.call(e[i],
   return e
trim: b && !b.call("\ufeff\u00a0"
                               ? function(e) {
   return null == e ? "" : b.cal
} : function(e) {
   return null == e ? "" : (e + "").replace(C, "")
makeArray: function(e, t) {
                      (M(Object(e)) ? x.merge(n, "string"
```

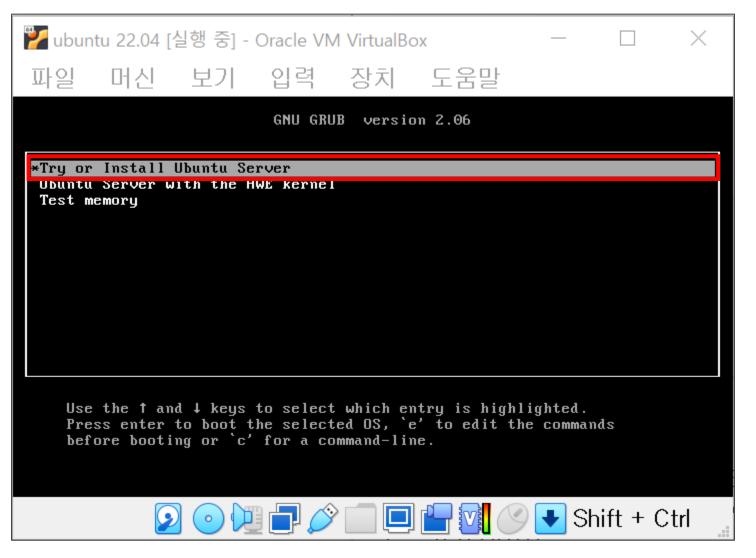
01. Ubuntu 운영체제 설치

가상 머신 전원 켜기

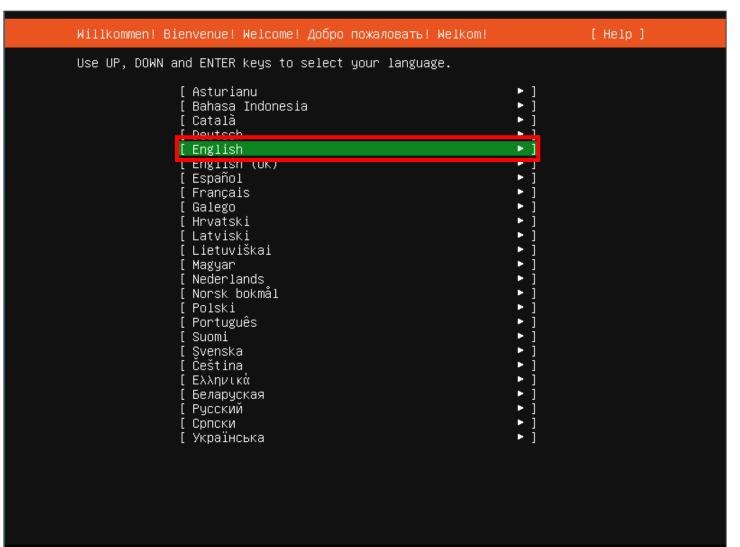
- VirtualBox에 등록한 가상 머신 시작하기
 - Ubuntu 설치 CD를 삽입해 두었기 때문에 곧바로 설치가 시작된다.



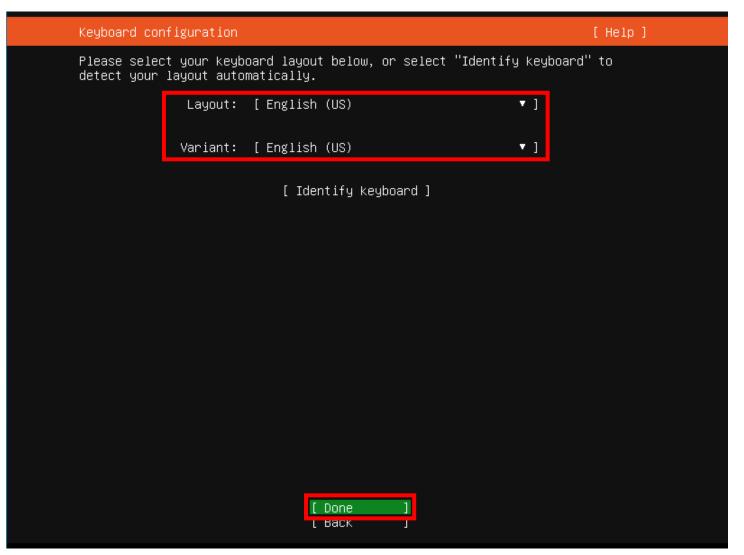
Try or Install Ubuntu Server



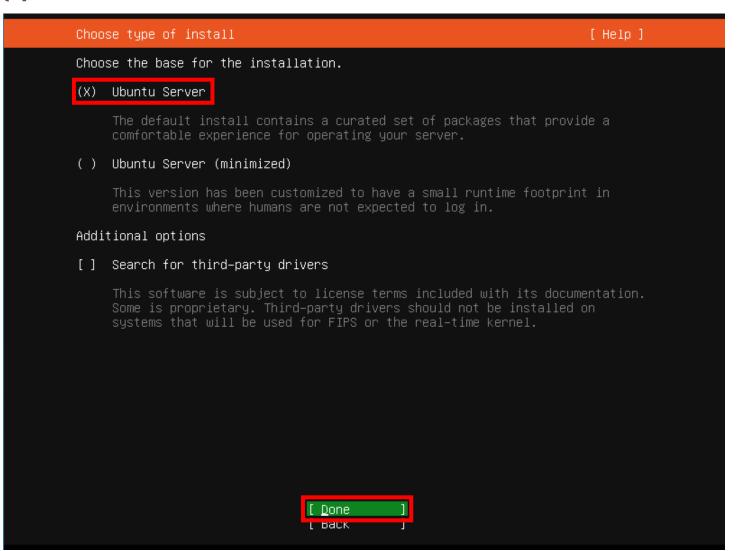
Language - English (항목 이동은 방향키 or Tab)



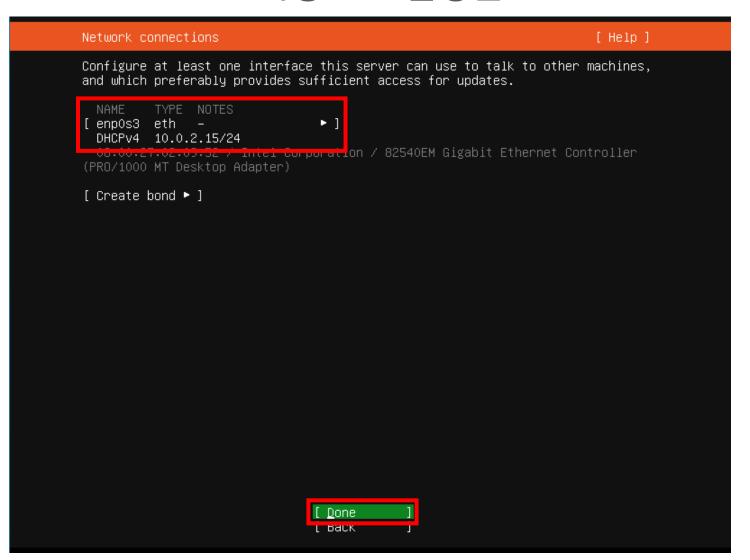
Keyboard configuration - English (US)



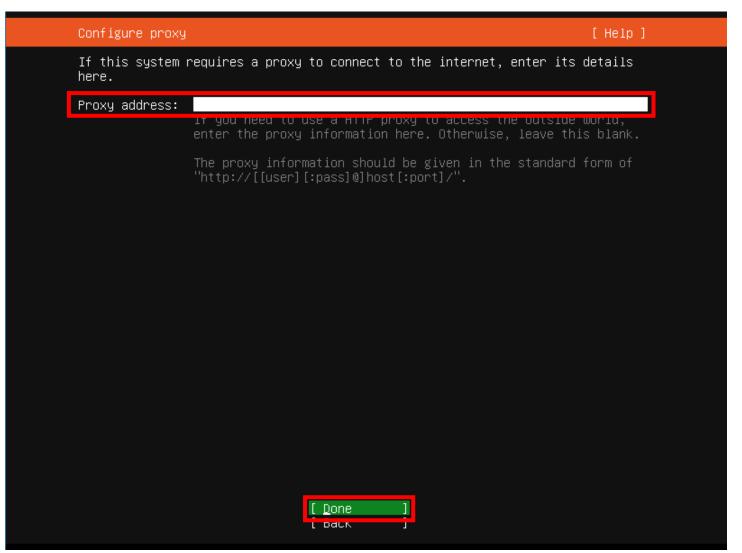
Choose type of install - Ubuntu Server (항목 선택은 Spacebar)



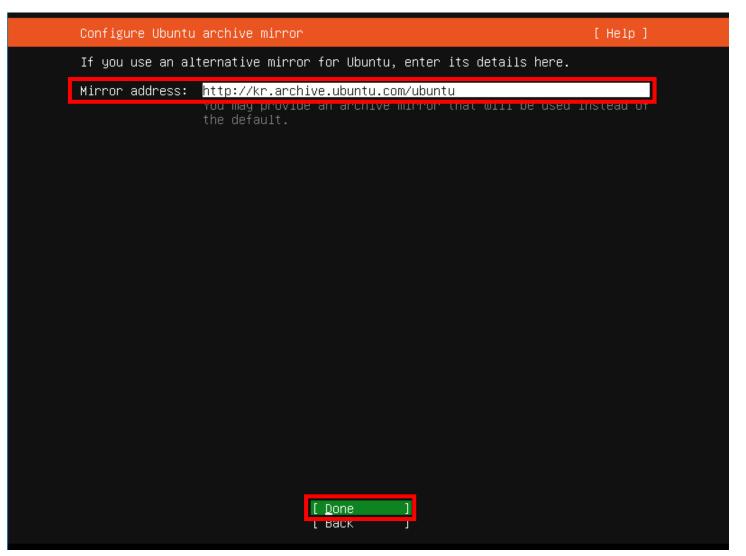
■ Network connections - 자동으로 설정됨



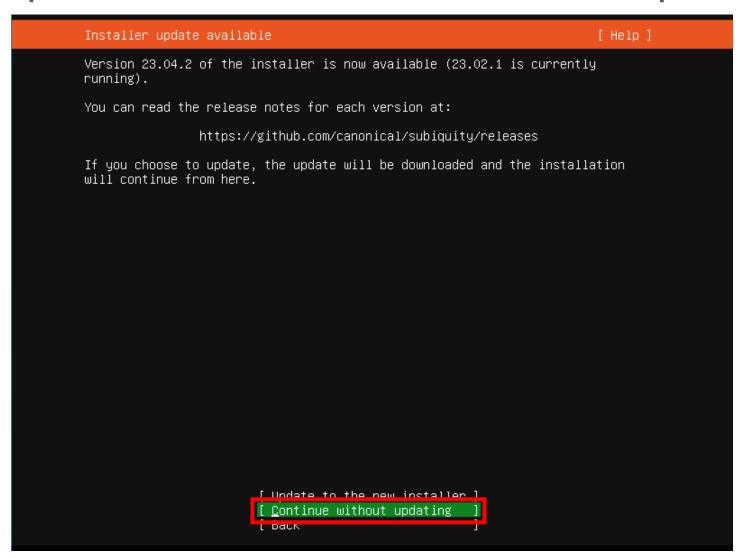
Configure proxy - 아무 것도 입력하지 않음



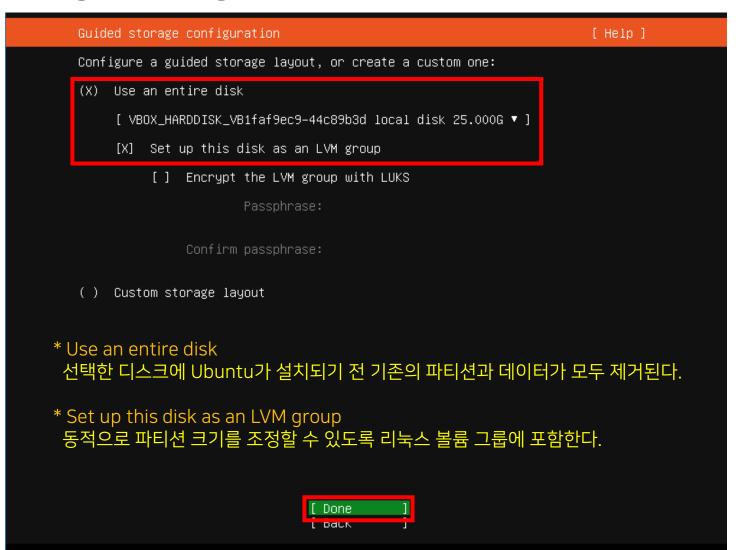
Configure Ubuntu archive mirror - 기본값 사용



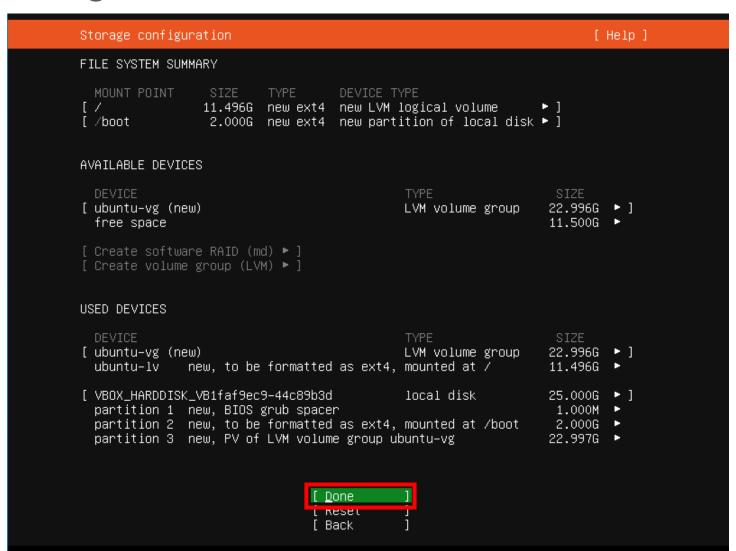
Installer update available - Continue without updating



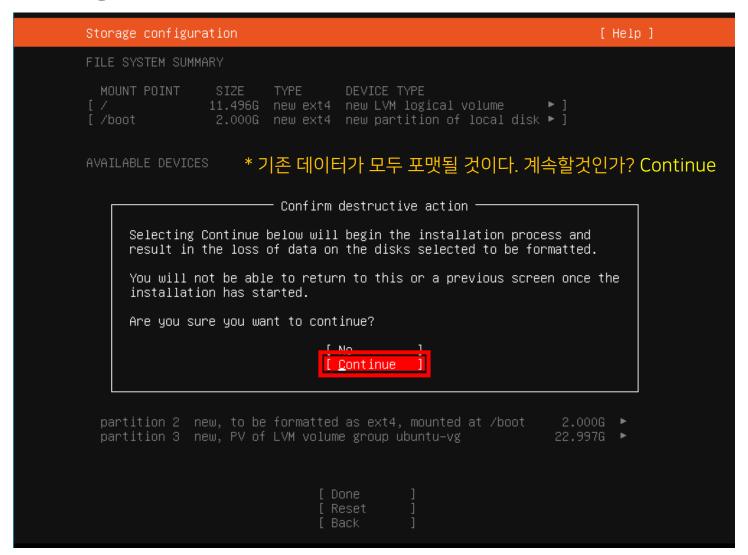
Guided storage configuration



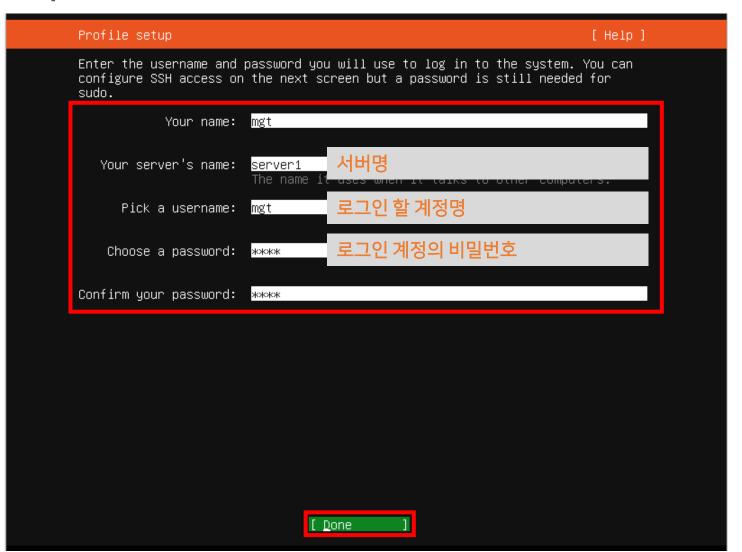
Storage configuration - 기본값 사용



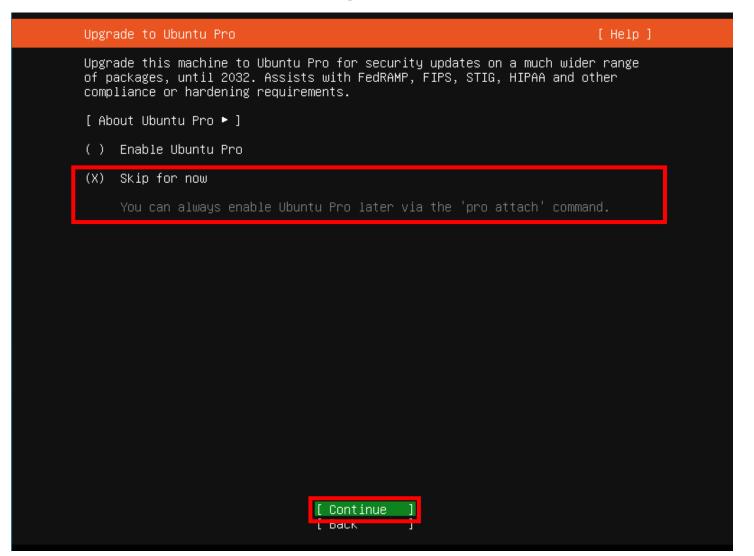
Storage configuration



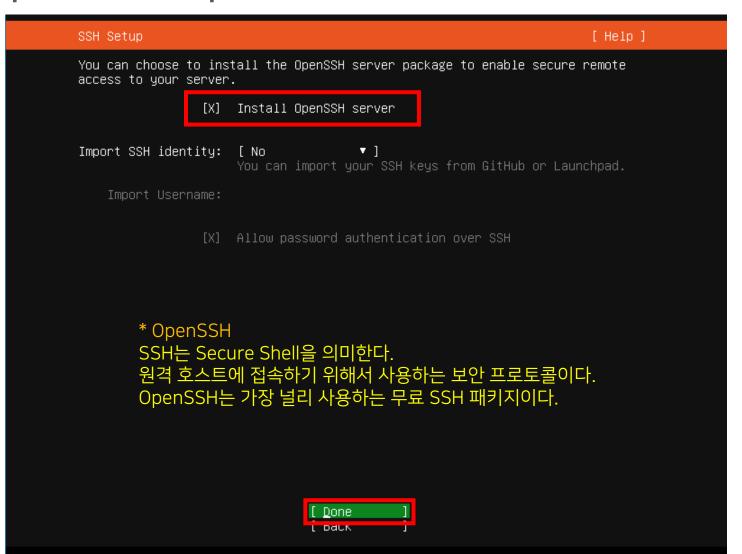
Profile setup



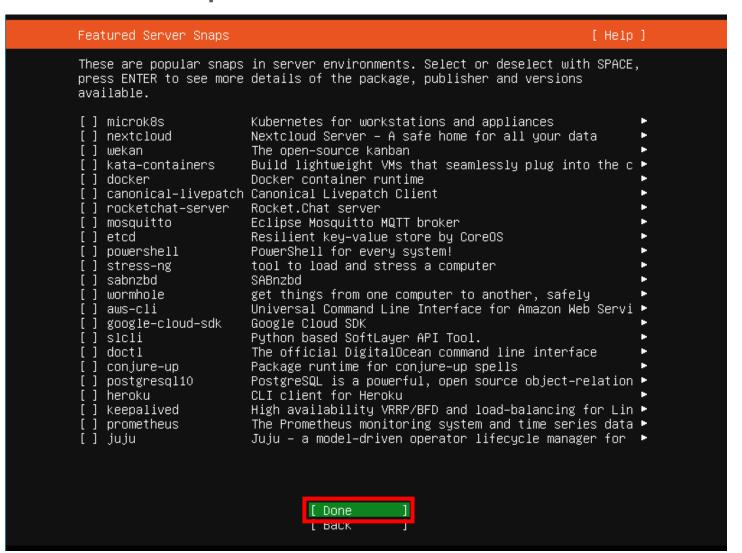
Upgrade to Ubuntu Pro - Skip for now



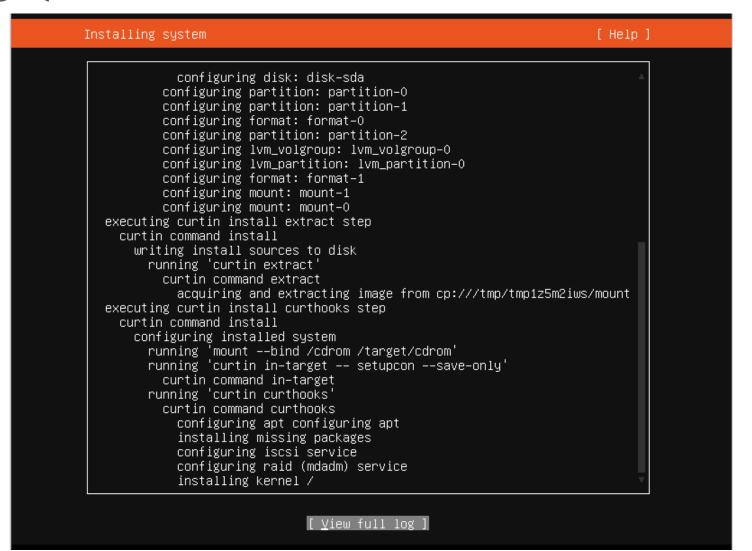
SSH Setup - Install OpenSSH server



■ Featured Server Snaps - 선택 안 함

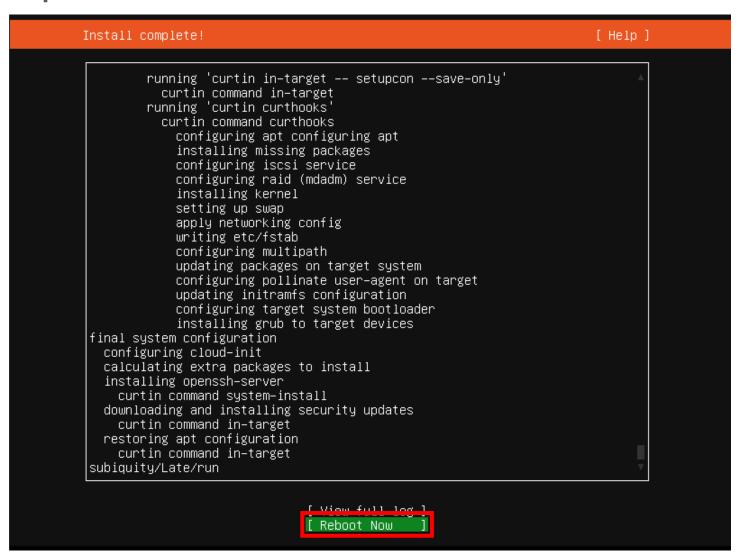


Installing system - 대략 수십분 소요



Ubuntu 설치 완료

Install complete! - Reboot Now



Ubuntu 설치 시 오류 발생

- Linux Ubuntu 설치 CD 자동 배출 오류로 인하여 FAILED 발생하므로 강제로 종료시킨다.
 - 강제로 종료한 뒤 수동으로 설치 CD를 제거해 주면 된다.

```
] Failed unmounting /cdrom.
Please remove the installation medium, then press ENTER:
 AILED] Failed unmounting /cdrom.
```

Ubuntu 설치 후 재부팅

Rebooting...

```
] Reached target Graphical Interface.
       Starting Execute cloud user/final scripts...
       Starting Record Runlevel Change in UTMP...
  OK ] Finished Record Runlevel Change in UTMP.
  28.913282] cloud–init[1294]: Cloud–init v. 23.1.2–OubuntuO~22.04.1 running 'modules:final' at Su
 30 Jul 2023 08:08:57 +0000. Up 28.83 seconds.
ci–info: no authorized SSH keys fingerprints found for user mgt.
<14>Jul 30 08:08:57 cloud-init: ----BEGIN SSH HOST KEY FINGERPRINTS-----
(14>Jul 30 08:08:57 cloud–init: 1024 SHA256:UjH5T3jy9wQNPREWiCA2+1om1fyt/qGJcS0ZRQz6lRU root@server1
 (DSA)
(14>Jul 30 08:08:57 cloud–init: 256 SHA256:aRNXoZcNv/RUu9Ik6DUg91iFJWWDKeTOi7bXD2Oevv8 root@server1
(ECDSA)
44>Jul 30 08:08:57 cloud–init: 256 SHA256:NmCkU++yDbP9a3uHUdEK5hmOUEZJF7gtsqUK2hioB9c root@server1(
(ED25519)
(14>Jul 30 08:08:57 cloud–init: 3072 SHA256:8bZ2iiAM+DkH/y/o3YDQv0vGYK5vGlcg81wHsEtlRFE root@server
 (RSA)
<14>Jul 30 08:08:57 cloud-init: ----END SSH HOST KEY FINGERPRINTS----
----BEGIN SSH HOST KEY KEYS----
ecdsa-sha2-nistp256 AAAAE2VjZHNhLXNoYTItbmlzdHAyNTYAAAAIbmlzdHAyNTYAAABBBOcOx8+osahrsUUa6CN9fMk4mijv
x6LSGCZHh5ePSD3oq3mAfMT8VFj+xK1EoN5i/YU8hV5v6LjqzbmW2OgrYbA= root@server1
ssh—ed25519 AAAAC3NzaC11ZDI1NTE5AAAAIOOqBRXR7k7rnNXZdys6imOsDp3tj5Wrx1qVobqXTc3/ root@server1
ssh—rsa AAAAB3NzaC1yc2EAAAADAQABAAABgQDW1AZ7fPWvidOuyqf/RiwqqqBZe9k61S3G8U13wuME+WG4W1Z5v7zOWJid4K92
6CEovx2Evbbsu1v6evPoxBqA2PAhYe9Aqpx71NINH+6fMpFZW115Wk7hOKOEyeETh/NFcjzm29Ev5q1McAzuIeID1C18zGj+3zCy
cf/AzIyBQHigbykI9nFI7bp3yL8Y4rg38jUC1ETQjE1kzpLxE5I9tE4PSr4QGUgW8ji9AZan2gudBUOLOqWwHT/LZtXgEU3/QoPF
dI46DQsAcpAcD6slJ9goB//XjHAFwUlwIHt/rMJjxiiB+zscFOYPXVC/CDONyzHNmBNLvy8XhfVFkjOMmy7j/PpBqDUjyfDQzXIF
AOSnudF/E3cETRV3uhne3hnUn/ESHXdePde3YOIgOMJFjR2y3tmjddbXhuKHkBJd3NSiemYAoOueupVgbm4PDcy886BxWSBWhOS4
OuUo4OdNJ2DGSzgJ7rgjD8lsYon/4qURj4w24KwT2qV6kZ3SOUs= root@server1
----END SSH HOST KEY KEYS----
   29.038625] cloud-init[1294]: Cloud-init v. 23.1.2-Oubuntu0~22.04.1 finished at Sun, 30 Jul 2023
08:08:58 +0000. Datasource DataSourceNone. Up 29.03 seconds
  29.040392] cloud-init[1294]: 2023-07-30 08:08:58,015 - cc_final_message.pv[WARNING]: Used fallba
ck datasource
  OK ] Finished Execute cloud user/final scripts.
     ] Reached target Cloud-init target.
```

Ubuntu 로그인

username과 password를 이용한 로그인

설치 시 입력한 Username과 Password 입력

```
Ubuntu 22.04.2 LTS server1 tty1
server1 login: mgt
Password:
wercome to opunta zz.04.2 LTS (GNU/Linux 5.15.0–78–generic x86_64)
 * Documentation: https://help.ubuntu.com
                   https://landscape.canonical.com
 * Management:
                   https://ubuntu.com/advantage
 * Support:
  System information as of Mon Jul 31 01:16:25 PM UTC 2023
  System load: 0.0
                                                              101
                                    Processes:
  Usage of /: 44.7% of 11.21GB Users logged in:
                                   IPv4 address for enp0s3: 10.0.2.15
  Memory usage: 5%
  Swap usage: 0%
Expanded Security Maintenance for Applications is not enabled.
64 updates can be applied immediately.
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
Last login: Mon Jul 31 13:11:22 UTC 2023 on tty1
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.
mgt@server1:~$
```

프롬프트 \$ 가 보이면 성공임