# Ubuntu

국립금오공과대학교 수리빅데이터학과 신 승 혁

# [NC.0000.0001.Common]-Ubuntu.Docx

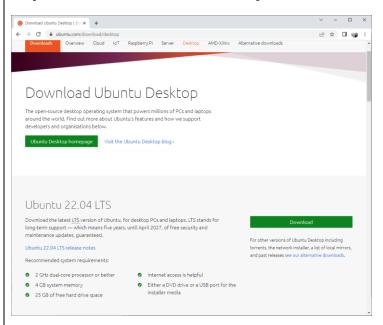
### Contents

1	virtual machine 설정	2
	ubuntu install	
2.1	install	9
	esetup ubuntu	

#### 1 virtual machine 설정

#### ubuntu download

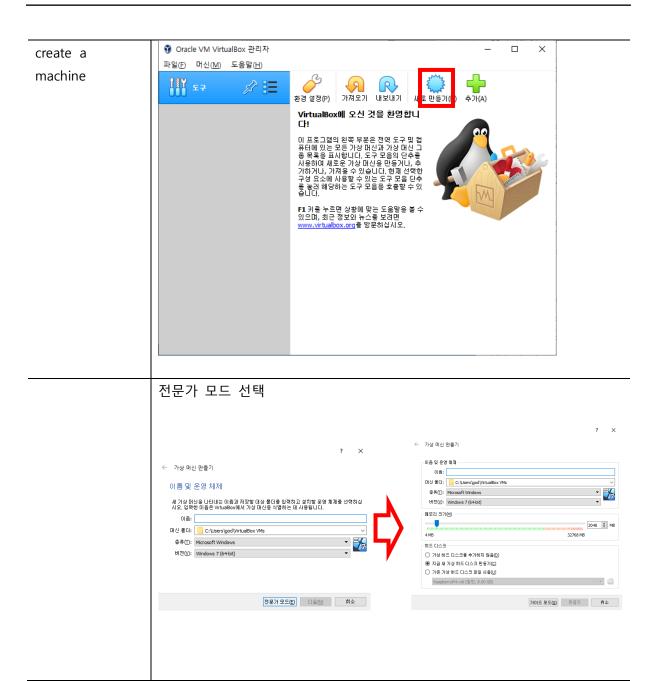
https://ubuntu.com/download/desktop

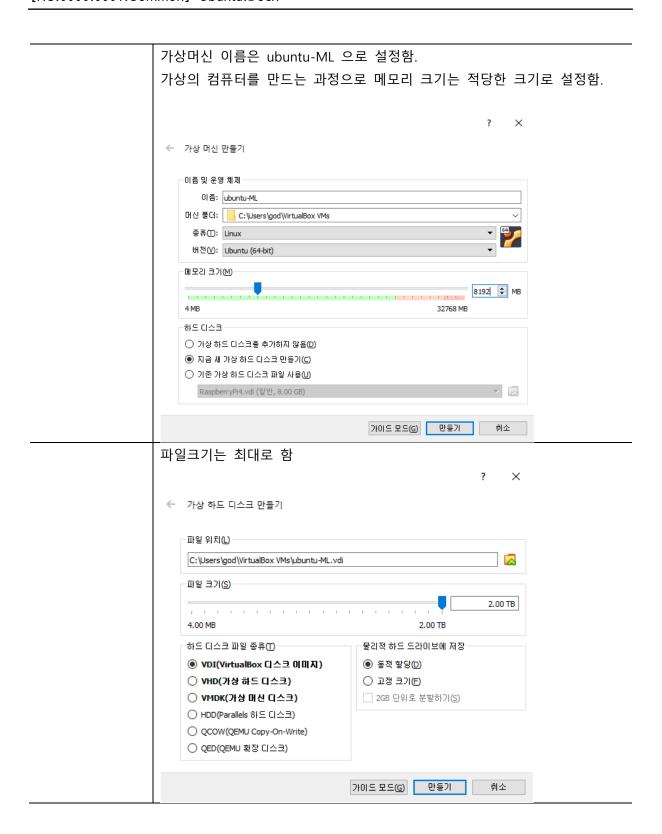


# download & install

https://www.virtualbox.org/



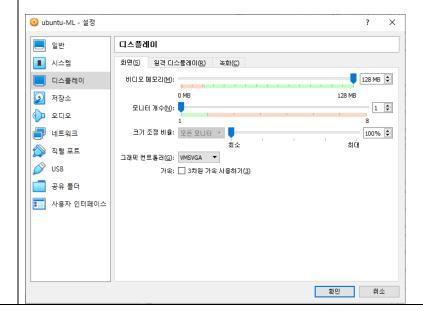




### 가상컴퓨터 설정



### 비디오 메모리 128MB 최대로 함.



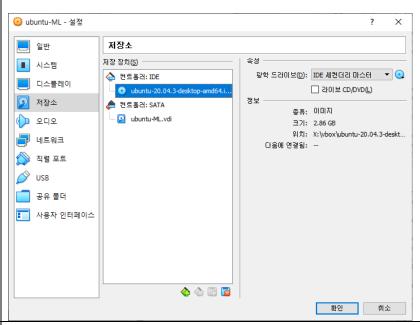
#### ubuntu 설치 이미지 설정 😥 ubuntu-ML - 설정 일반 저장소 저장 장치(S) 속성 -▮ 시스템 광학 드라이브(D): IDE 세컨더리 마스터 🔻 🔾 🔷 컨트롤러:IDE ● 비어 있음 □ SF01급 CD\DVD(F) ⊋ 저장소 정보 -🥭 컨트롤러: SATA 종류: -ubuntu-ML.vdi (기) 오디오 크기: --**를** 네트워크 다음에 연결됨: --🕎 직렬 포트 **Ø** USB 공유 폴더 사용자 인터페이스 ♦ ♦ □ 확인 취소 가상 광학 디스크 선택/만들기... 🔼 디스크 파일 선택... 호스트 드라이브 'A:' ubuntu-20.04.3-desktop-amd64.iso VBoxGuestAdditions\_6.1.12.iso 가상 드라이브에서 디스크 꺼내기 🤴 가상 광 디스크 파일을 선택하십시오 구성 ▼ 새 폴더 ^ 이름 📳 동영상 centos7 raspberry ubuntu ∰ 문서 💹 바탕 화면 ■ 사진 ubuntu-kafka ubuntu-kafka0 🔰 음악 ☑ DVD RW 드라이브 (A:) ubuntu-ML 🏪 로컬 디스크 (C:) ubuntu-20.04.3-desktop-amd64.iso \_ nv0 (D:) VBoxGuestAdditions\_6.1.12.iso \_ nv1 (E:) xdt (F:) ₹ hdd2(₩₩192.168.0.5) (V

∨ 모든 가상 광 디스크 파일 (\*.dr ∨

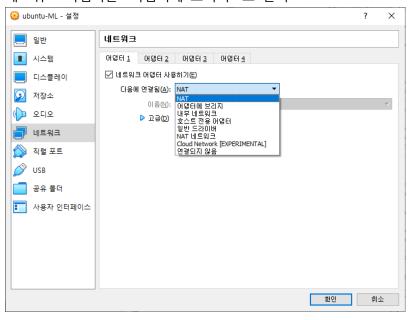
열기(<u>O</u>) 취소

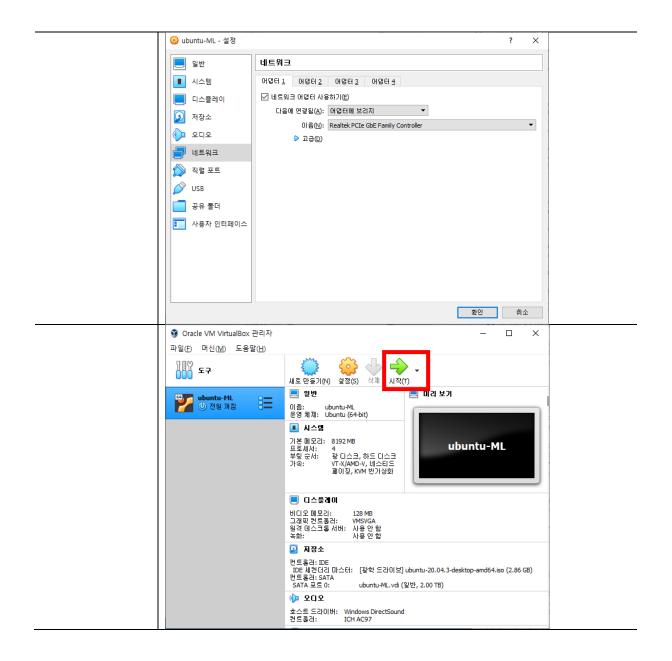
파일 이름(<u>N</u>):

# 가상 디스크가 설치된 모습



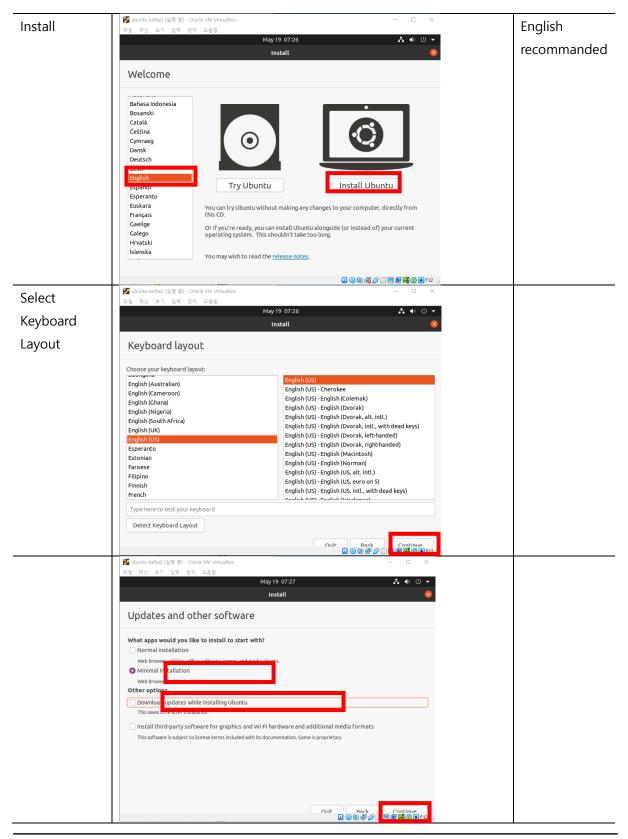
## 네크워크 어댑터를 "어댑터에 브리지" 로 선택

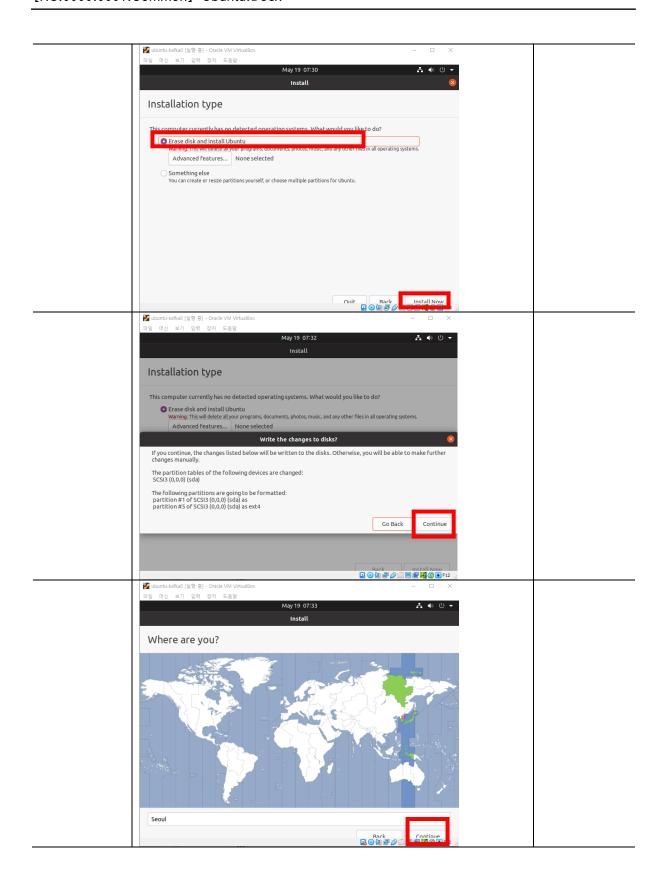


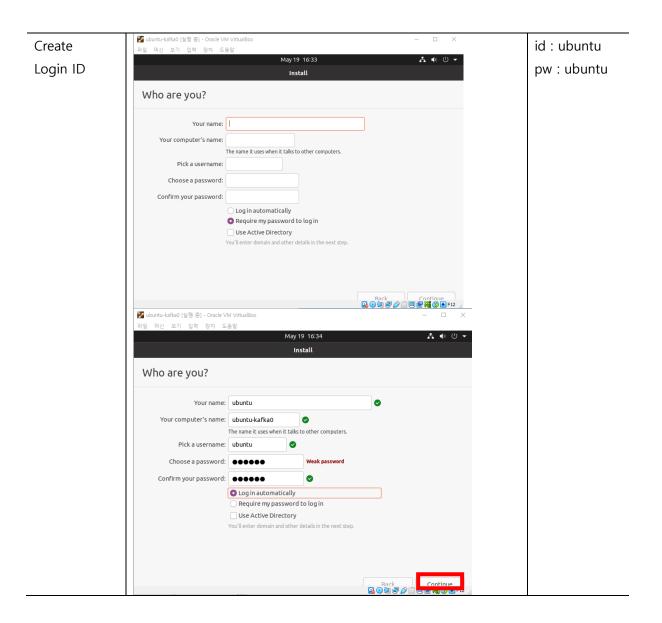


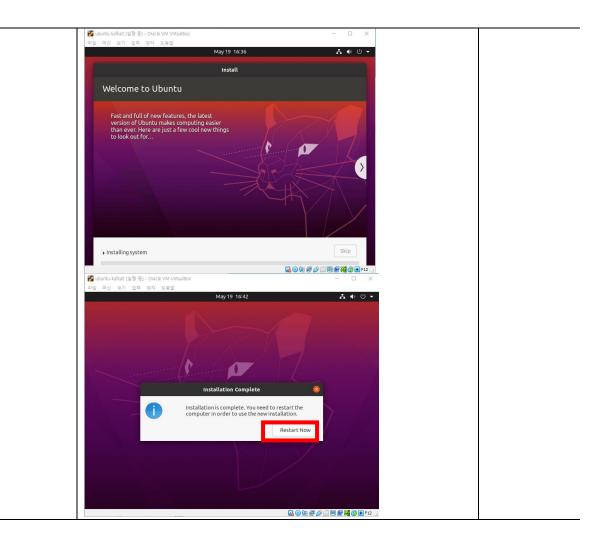
#### 2 ubuntu install

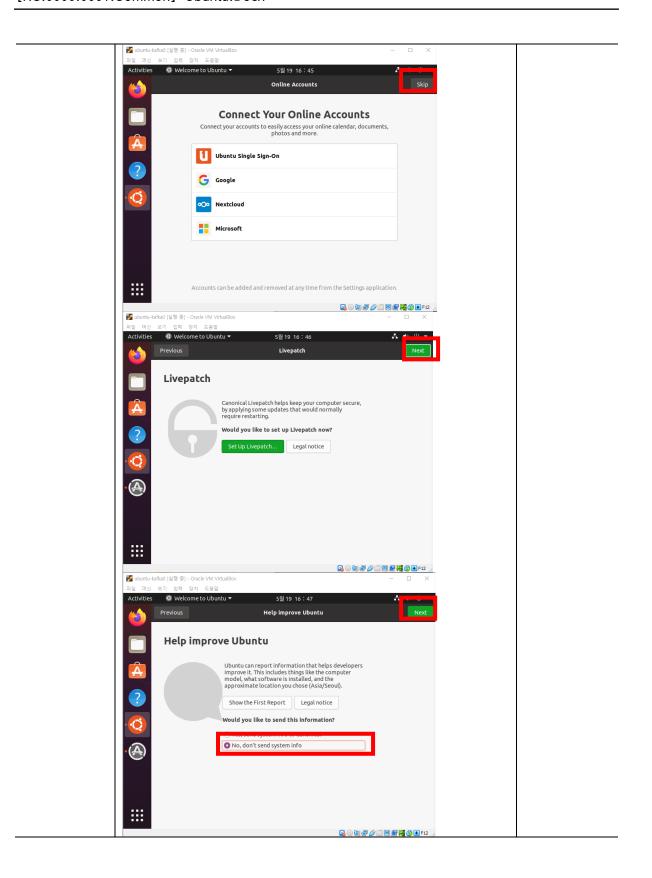
#### 2.1 install

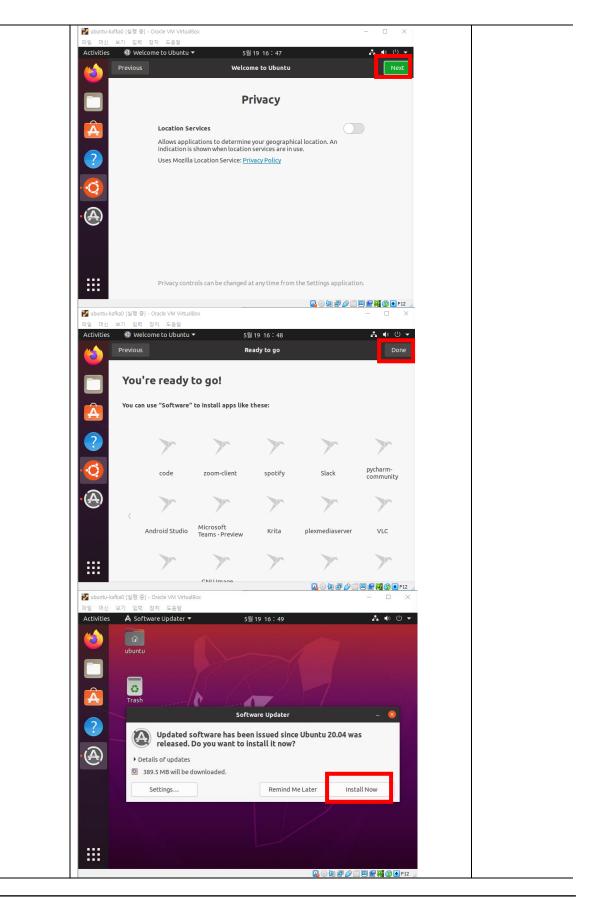




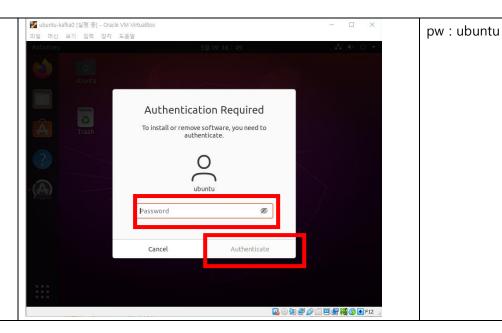








login



# 2.2 setup ubuntu

# update & upgrade

```
ubuntu@ubuntu-ML:~# sudo su -
ubuntu@ubuntu-ML:~# apt-get update
ubuntu@ubuntu-ML:~# apt-get upgrade -y
ubuntu@ubuntu-ML:~# shutdown -r 0
```

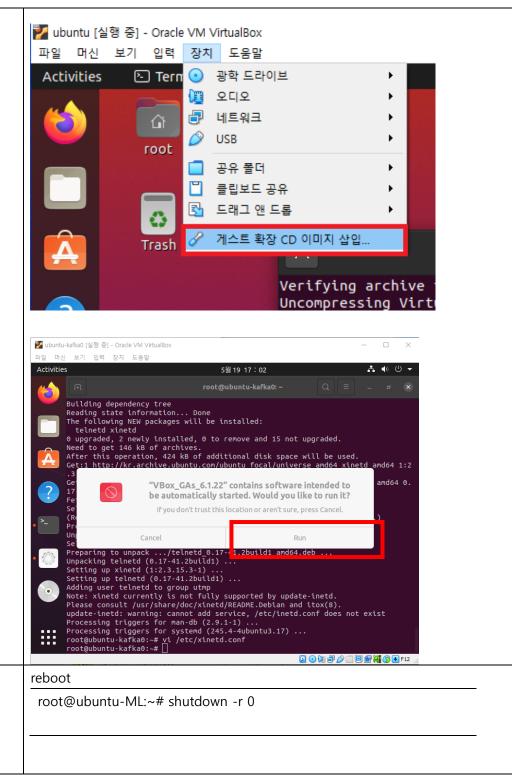


basic setup

ubuntu@ubuntu-ML:~# sudo su – ubuntu@ubuntu-ML:~# apt-get install -y build-essential

```
edit /etc/gdm3/custom.conf
 [daemon]
 AutomaticLoginEnable=true
AutomaticLogin=root
[security]
AllowRoot = true
edit /etc/pam.d/gdm-password
#auth required pam_succeed_if.so user != root quiet_success
edit /etc/pam.d/gdm-autologin
#auth required pam_succeed_if.so user != root quiet_success
root@ubuntu-ML:~# apt-get install -y xinetd telnetd
edit /etc/xinetd.conf
service telnet
         disable = no
         flags = REUSE
         socket_type = stream
         wait = no
         user = root
         server = /usr/sbin/in.telnetd
         log_on_failure = USERID
}
```

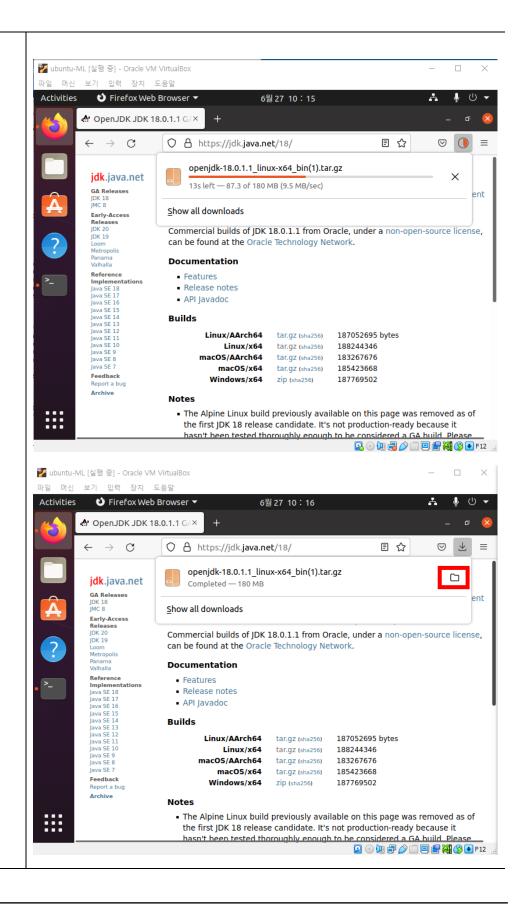


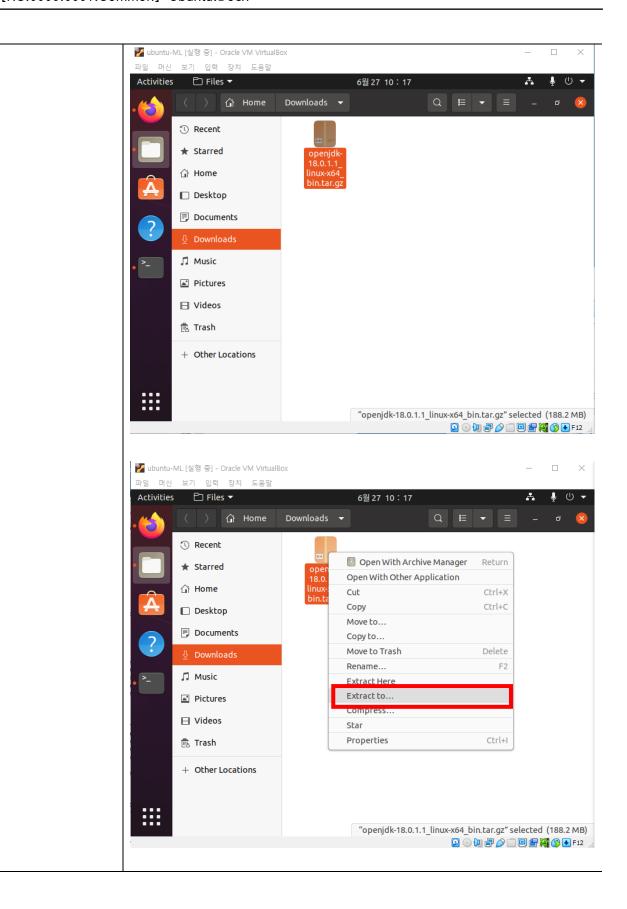


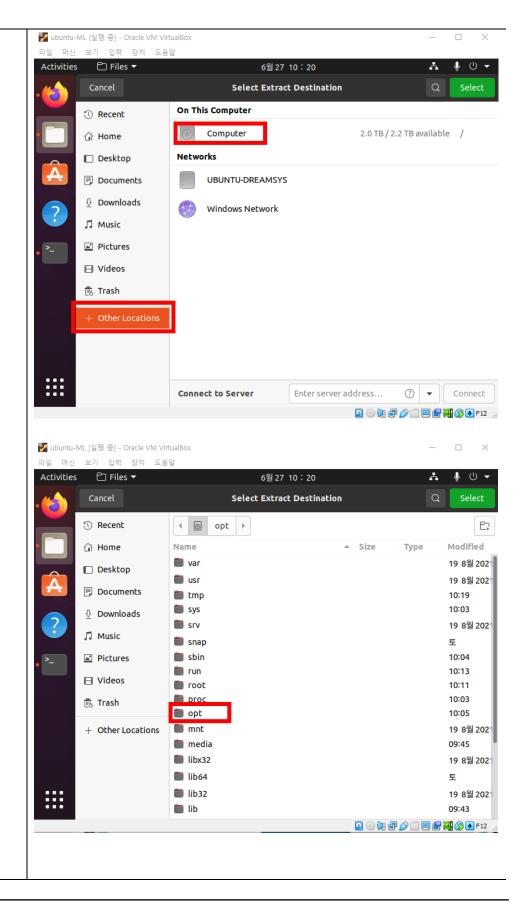
#### install openjdk

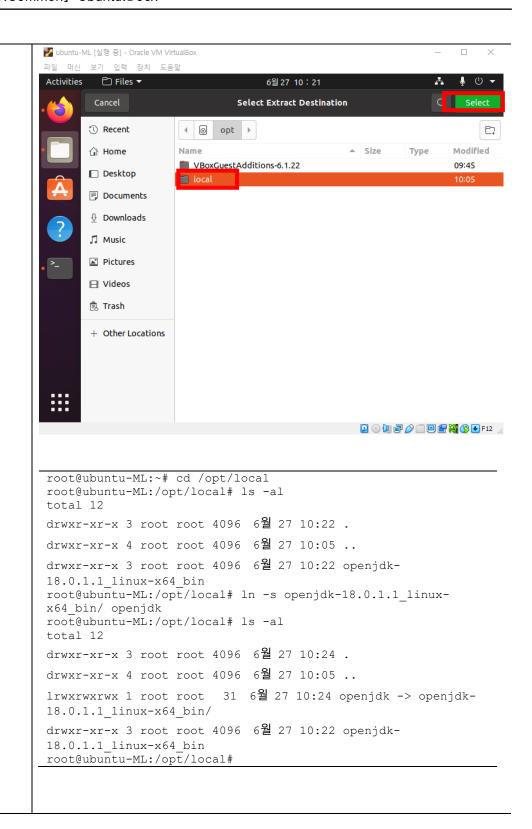
ubuntu@ubuntu-ML:~# mkdir /opt ubuntu@ubuntu-ML:~# mkdir /opt/local 🜠 ubuntu-ML [실행 중] - Oracle VM VirtualBox 파일 머신 보기 입력 장치 도움말 Activities **७** Firefox Web Browser ▼ 6월 27 10:14 OpenJDK  $\rightarrow$  C ○ A https://openjdk.org  $\overline{\phantom{a}}$ OpenJDK Mailing lists Wiki ·IRC JEP Process Source code Mercurial GitHub What is this? The place to collaborate on an opensource implementation of the Java Platform, Standard Tools Edition, and related projects. Git jtreg harness -Groups (overview) Adoption Build Client Librar Download and install the latest open-source JDK. Oracle's free, GPL-licensed, production-ready OpenJDK JDK 18 binaries for Linux, macOS, and Windows are available It jdk.java.net/18; (racle's commerciallylicensed I on the same code, are here. ing Board **Learn** about the key active Projects in the Community ② ○ M P O □ □ H M O • F12 🛂 ubuntu-ML [실행 중] - Oracle VM VirtualBox 머신 보기 입력 장치 도움말 Activities Firefox Web Browser • 6월 27 10:15 ♠ OpenJDK JDK 18.0.1.1 G/× **±** ≡ ← → C ○ A https://jdk.java.net/18/ 目☆  $\bigcirc$ jdk.java.net OpenJDK JDK 18.0.1.1 General-Availability Release GA Releases JDK 18 JMC 8 This page provides production-ready open-source builds of the Java Development Kit, version 18, an implementation of the Java SE 18 Platform under the GNU Early-Access Releases General Public License, version 2, with the Classpath Exception. JDK 20 JDK 19 Commercial builds of JDK 18.0.1.1 from Oracle, under a non-open-source license, can be found at the Oracle Technology Network. Documentation Reference Features • Release notes API Javadoc Builds Linux/AArch64 187052695 bytes 188<mark>2</mark>44346 tar.gz (sha256) Linux/x64 macOS/AArch64 macOS/x64 185423668 tar.gz (sha256) Feedback Windows/x64 187769502 Zip (sha256) Archive Notes • The Alpine Linux build previously available on this page was removed as of **:::** the first JDK 18 release candidate. It's not production-ready because it

hasn't been tested thoroughly enough to be considered a GA build. Please









setup	edit ~/.toolchain
environments	root@ubuntu-ML:/opt# vi ~/.toolchain
	export JAVA_HOME=/opt/local/openjdk export PATH=\$JAVA_HOME:\$JAVA_HOME/bin:\$PATH:.
	edit ~/.bashrc
	root@ubuntu-ML:/opt# vi ~/.bashrc
	<pre>if [ -f ~/.toolchain ]; then    . ~/.toolchain fi</pre>