실습 환경 구축

백윤철

실습 환경 구축 개요

- Ubuntu on VirtualBox on Windows
- VirtualBox Download
- Ubuntu Download
- Install & Test
- Guest Addition

Version 이슈

- 최신 버전을 쓰는 것이 무조건 좋지는 않다.
 - 작동, 호환, 성능 이슈
 - 낮은 버전으로도 C programming, UNIX 실습 구축에 아무런 문제가 없음
- VirutalBox
 - -6.1
 - 6.1.32 (<u>6.1.42</u>)
 - -7.0.6
- Ubuntu
 - -18.04
 - **-** <u>20.04.1</u>
 - -21.10
 - 22.04

VirtualBox Download

www.virtualbox.org



About

Screenshots

Downloads

Documentation

End-user docs

Technical docs

Contribute

Community

VirtualBox.org!

VirtualBox is a powerful x86 and AMD64/Intel64 virtualization product for enterprise as well as home use. Not only is VirtualBox an extremely feature rich, high performance product for enterprise customers, it is also the only professional solution that is freely available as Open Source Software under the terms of the GNU General Public License (GPL) version 3. See "About VirtualBox" for an introduction.

Presently, VirtualBox runs on Windows, Linux, macOS, and Solaris hosts and supports a large number of guest operating systems including but not limited to Windows (NT 4.0, 2000, XP, Server 2003, Vista, Windows 7, Windows 8, Windows 10), DOS/Windows 3.x, Linux (2.4, 2.6, 3.x and 4.x), Solaris and OpenSolaris, OS/2, and OpenBSD.

VirtualBox is being actively developed with frequent releases and has an ever growing list of features, supported guest operating systems and platforms it runs on. VirtualBox is a community effort backed by a dedicated company: everyone is encouraged to contribute while Oracle ensures the product always meets professional quality criteria.



파일 이동 등에 문제

VirtualBox Download

You may also like to take a look at our frequently asked questions list.

VirtualBox older builds

The binaries in this section for VirtualBox before version 4.0 are all released up VirtualBox 4.0, the Extension Pack is released under the VirtualBox Personal Up released under the terms of the GPL version 2. By downloading, you agree to

VirtualBox older builds

VirtualBox (Old Builds)

- VirtualBox 7.0 (active maintenance)
- VirtualBox 6.1 (active maintenance)
- VirtualBox 6.0 (no longer supported, support ended 2020/07)
- VirtualBox 5.2 (**no** longer supported, support ended 2020/07)
- VirtualBox 5.1 (no longer supported, support ended 2018/04)
- VirtualBox 5.0 (**no** longer supported, support ended 2017/05)
- VirtualBox 4.3 (no longer supported, support ended 2015/12)
- VirtualBox 4.2 (**no** longer supported, support ended 2015/12)
- VirtualBox 4.1 (no longer supported, support ended 2015/12)
- VirtualBox 4.0 (**no** longer supported, support ended 2015/12)

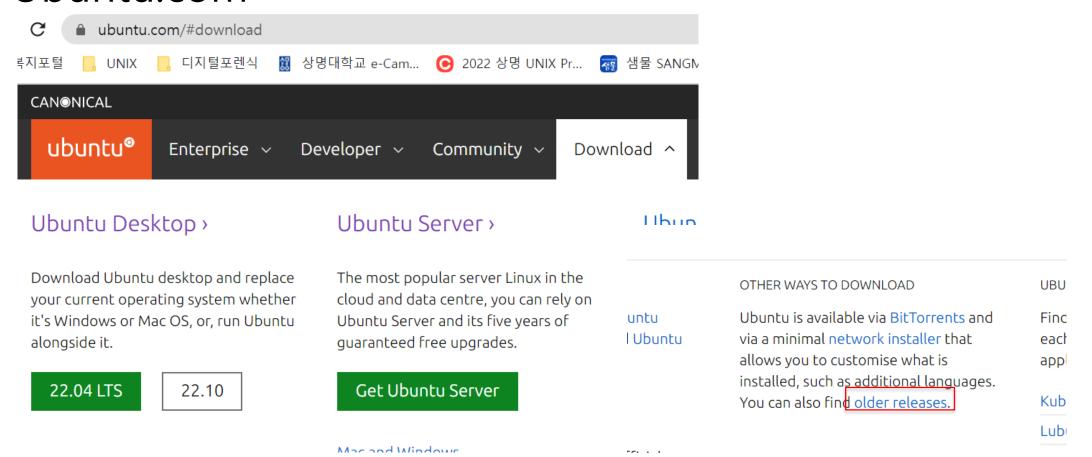
Download VirtualBox (Old Builds): Virtua

The Extension Packs in this section are released under the VirtualBox Personal Use the GPL version 2. By downloading, you agree to the terms and conditions of the released under the VirtualBox Personal Use

- ⇒6.1 SDK (6.1.42)
- VirtualBox 6.1.42 (released January 17 2023)
 - ➡Windows hosts
 - → macOS / Intel hosts
 - Solaris hosts
 - ➡Solaris 11 IPS hosts
 - Linux Hosts:



Ubuntu.com



ubuntu[®] releases

These releases of Ubuntu are a

Standard support

LTS Releases

Ubuntu 22.04.2 LTS (Jammy Jellyfish) >

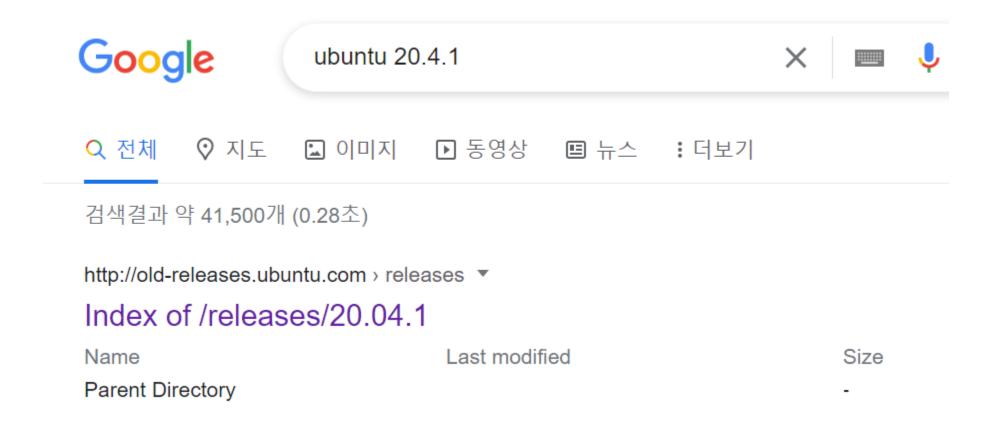
Ubuntu 20.04.5 LTS (Focal Fossa) >

Ubuntu 18.04.6 LTS (Bionic

Interim Releases

Ubuntu 22.10 (Kinetic Kudu) >

install시 버튼이 안보이는 문제



ubuntu-20.04-preinstalled-server-armhf+raspi.img.xz.zsyno	2020-04-23 17:14	1.2M
ubuntu-20.04-preinstalled-server-armhf+raspi.manifest	2020-04-23 15:20	14K
ubuntu-20.04.1-desktop-amd64.iso	2020-07-31 16:52	2.6G
ubuntu-20.04.1-desktop-amd64.iso.torrent	2020-08-06 15:30	208K
ubuntu-20.04.1-desktop-amd64.iso.zsync	2020-08-06 15:30	5.2M
ubuntu-20.04.1-desktop-amd64.list	2020-07-31 16:52	20K
ubuntu-20.04.1-desktop-amd64.manifest	2020-07-31 16:43	55K
	ubuntu-20.04-preinstalled-server-armhf+raspi.manifest ubuntu-20.04.1-desktop-amd64.iso ubuntu-20.04.1-desktop-amd64.iso.torrent ubuntu-20.04.1-desktop-amd64.iso.zsync ubuntu-20.04.1-desktop-amd64.list	ubuntu-20.04-preinstalled-server-armhf+raspi.manifest 2020-04-23 15:20 ubuntu-20.04.1-desktop-amd64.iso 2020-07-31 16:52 ubuntu-20.04.1-desktop-amd64.iso.torrent 2020-08-06 15:30 ubuntu-20.04.1-desktop-amd64.iso.zsync 2020-08-06 15:30 ubuntu-20.04.1-desktop-amd64.list 2020-07-31 16:52

다운로드된 파일들



ubuntu-20.04.1desktop-amd64.i so



VirtualBox-6.1.42 -155177-Win.exe

VirtualBox 설치

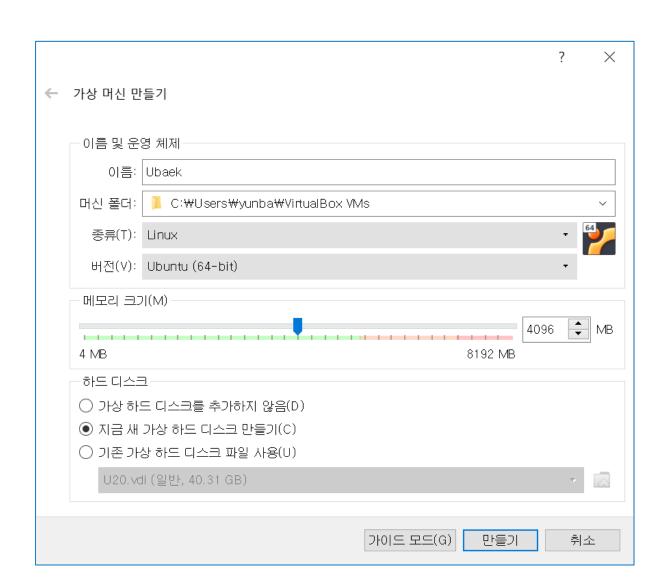


설치 후 실행된 Virtualbox



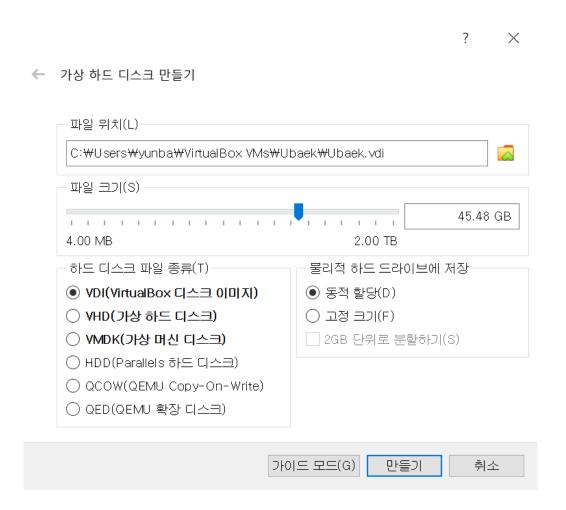
가상 머신 만들기

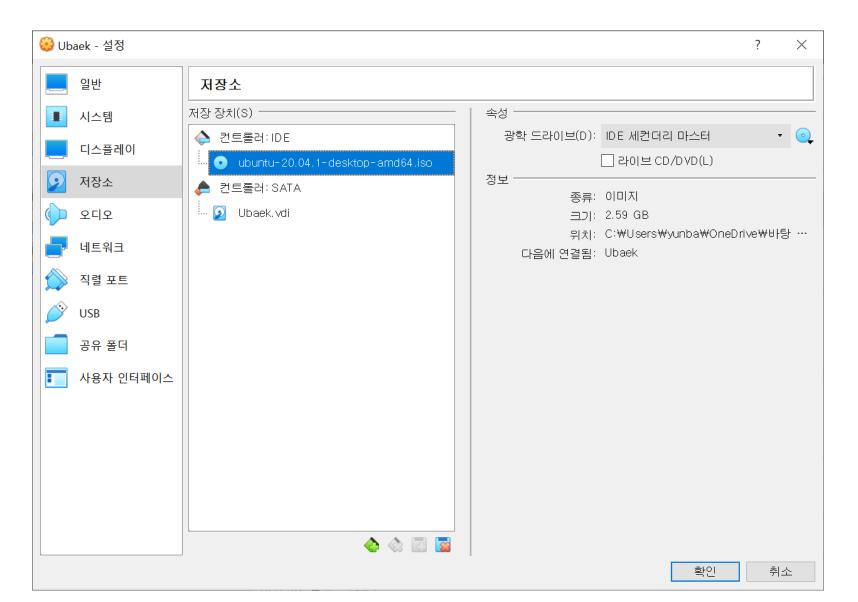
• 메모리크기 조정



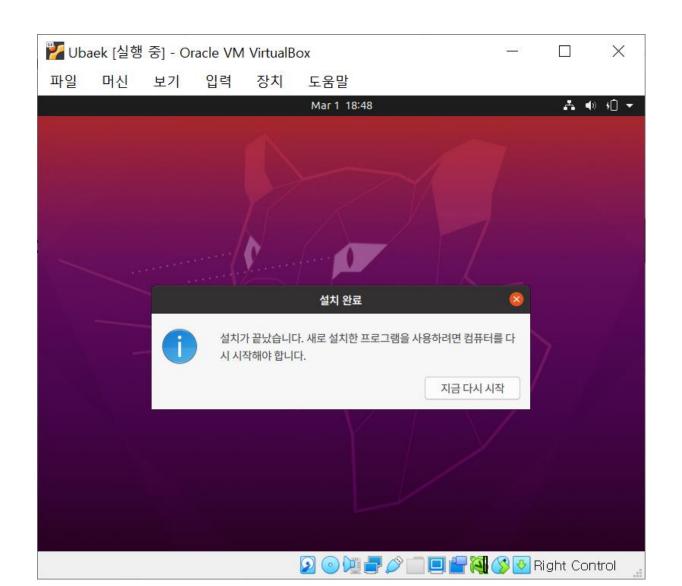
가상 머신 만들기

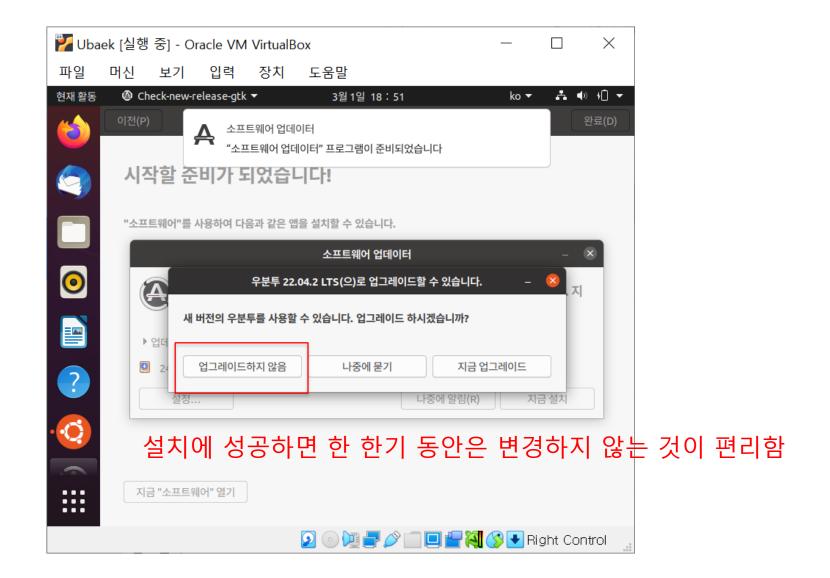
• 가상 하드 디스크를 만들 때 default 크기인 10GB 보다 적당히 늘려 잡는 편이 추후 라이브러리를 많이 설치하거나 데이터가 많아지는 경우에 대비하기 용이함











Guest Addition

• 자동 사이즈 맞추기, 데이터 공유 등 편리함 추가



- sudo apt install gcc
- sudo apt install make
- sudo apt install perl

실습 환경 구축 정리

- VirtualBox Download and Install
- Ubuntu Download and Install