

Theory on Computer Architectures (Fall 2019)

Setting Up an Ubuntu VM

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Installing VirtualBox (1)

- Go to VirtualBox website
 - https://www.virtualbox.org/wiki/Downloads
- Download installation binary

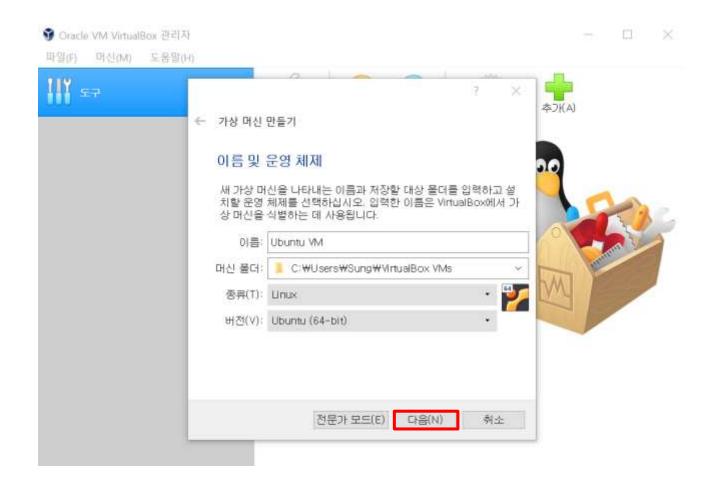




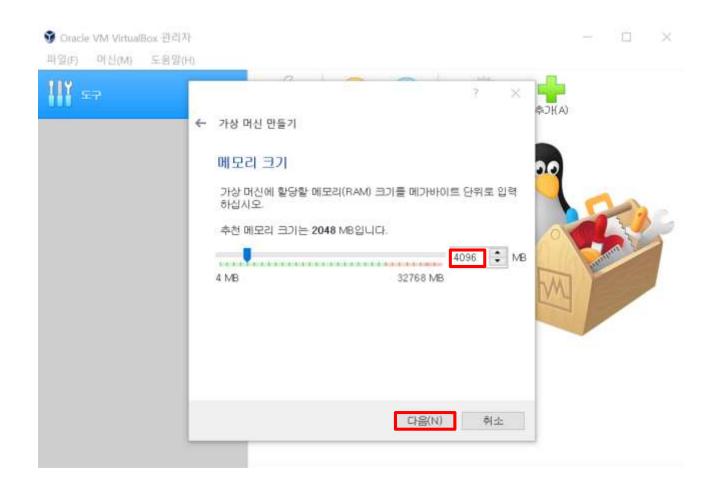
Installing VirtualBox (2)



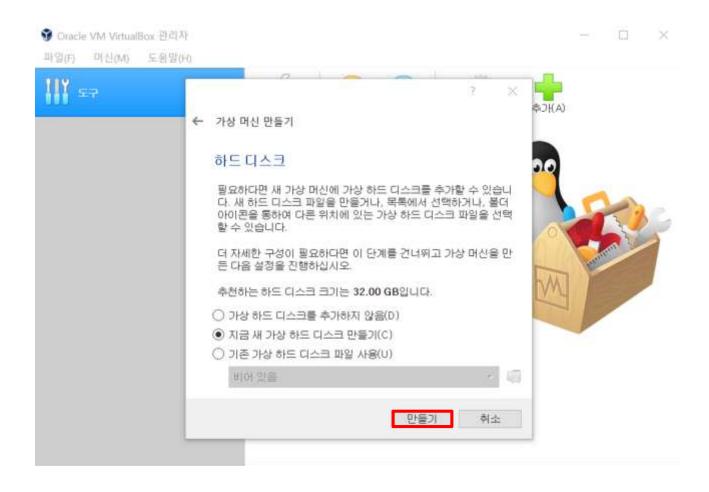
Creating a VM (1)



Creating a VM (2)



Creating a VM (3)



Creating a VM (4)



Creating a VM (5)



Installing Ubuntu on the VM (1)

- Go to
 - https://ubuntu.com/download/desktop

Download Ubuntu Desktop

Ubuntu 18.04.3 LTS

Download the latest <u>LTS</u> version of Ubuntu, for desktop PCs and laptops. LTS stands for long-term support — which means five years, until April 2023, of free security and maintenance updates, guaranteed.

Ubuntu 18.04 LTS release notes ₫

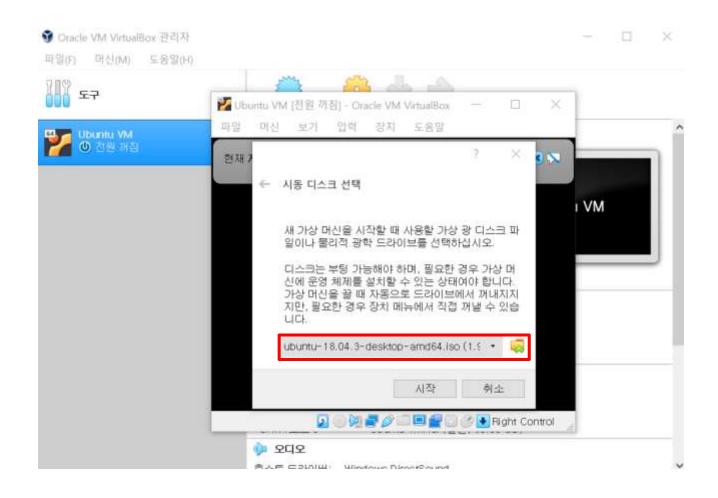
Recommended system requirements:

- 2 GHz dual core processor or better
- 4 GB system memory
- 25 GB of free hard drive space
- Either a DVD drive or a USB port for the installer media
- Internet access is helpful

Download

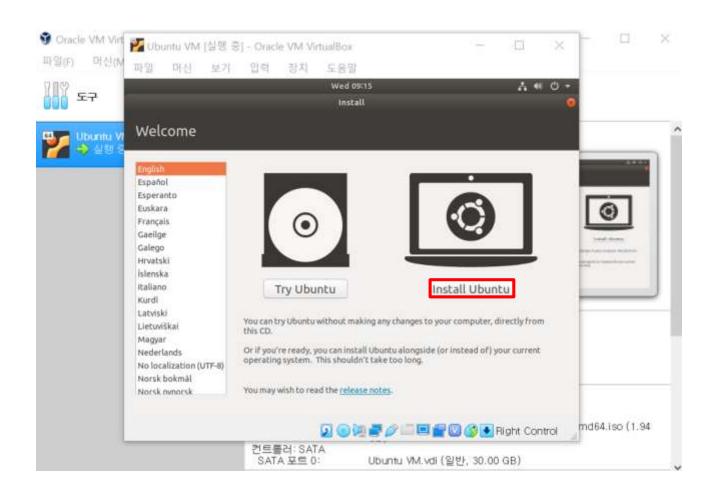
For other versions of Ubuntu Desktop including torrents, the network installer, a list of local mirrors, and past releases see our alternative downloads.

Installing Ubuntu on the VM (2)

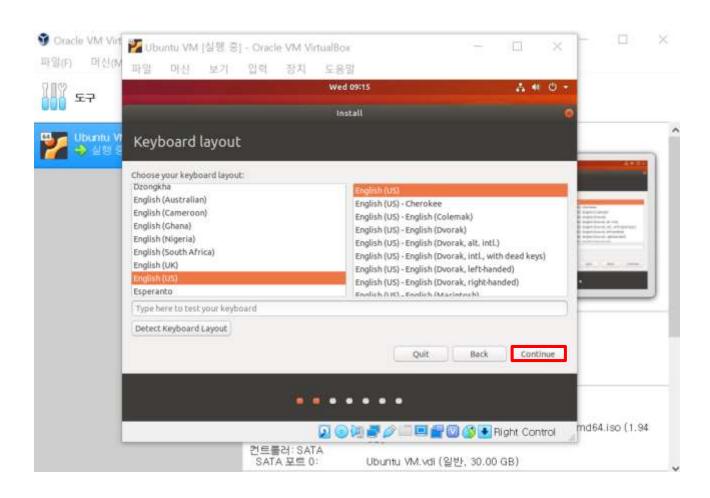




Installing Ubuntu on the VM (3)

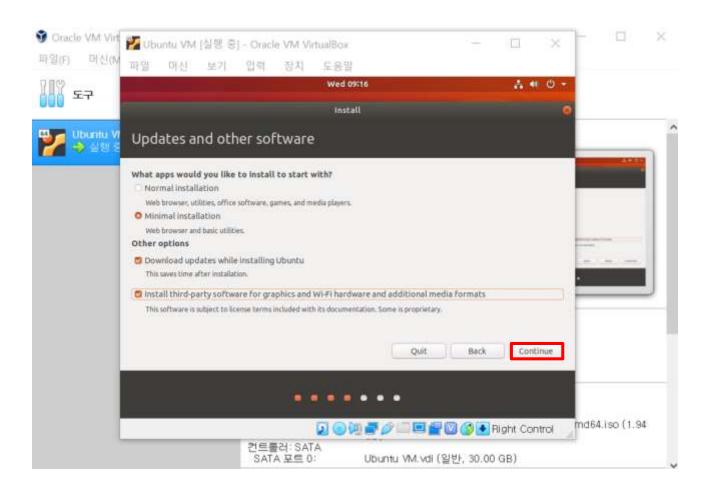


Installing Ubuntu on the VM (1)

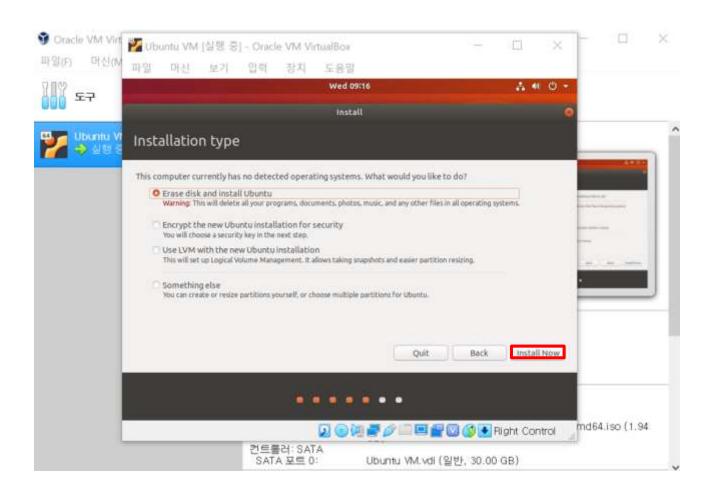




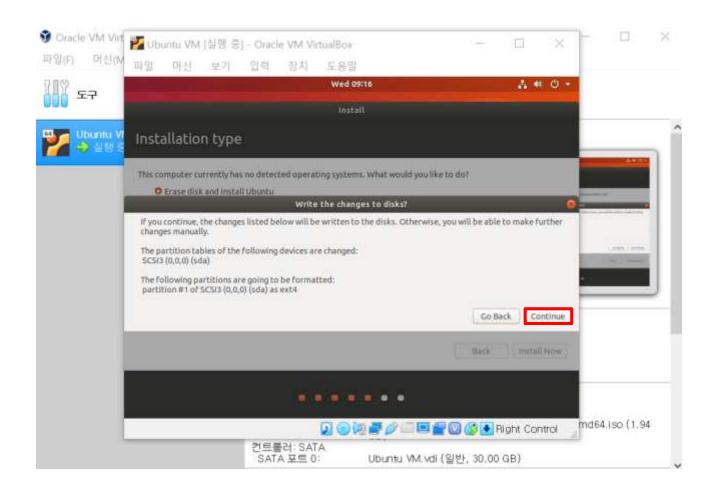
Installing Ubuntu on the VM (2)



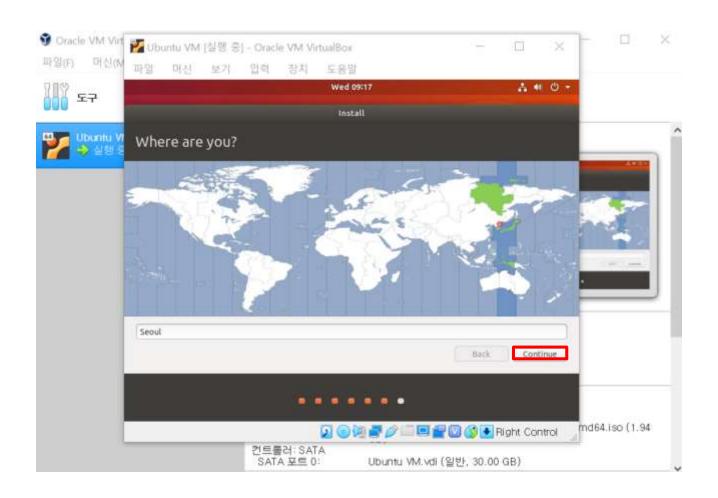
Installing Ubuntu on the VM (3)



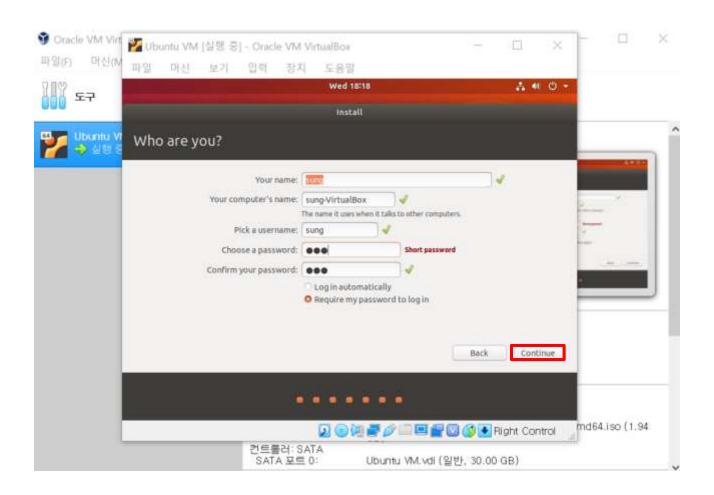
Installing Ubuntu on the VM (4)



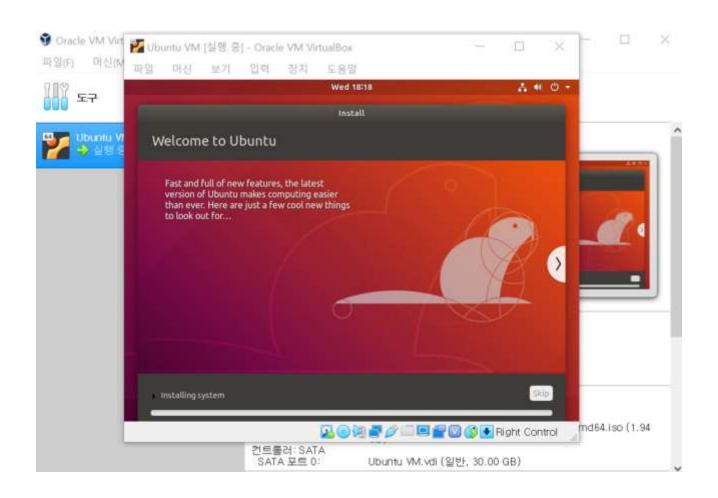
Installing Ubuntu on the VM (5)



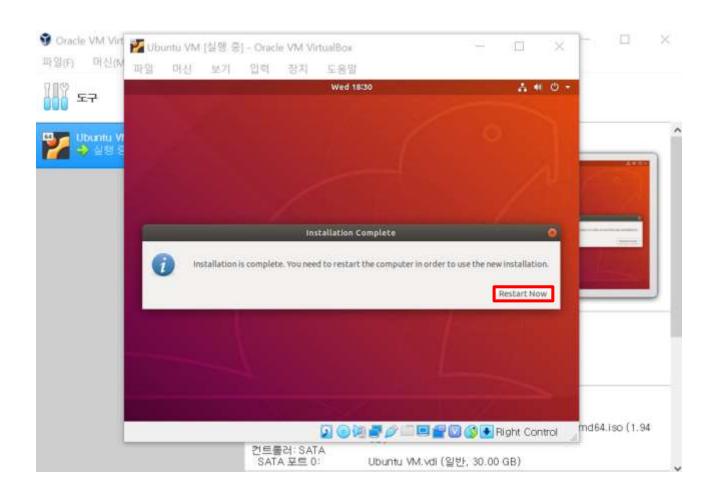
Installing Ubuntu on the VM (6)



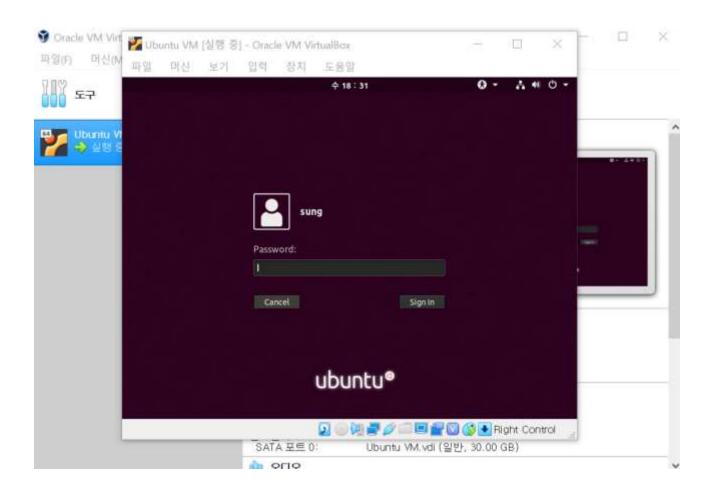
Installing Ubuntu on the VM (7)



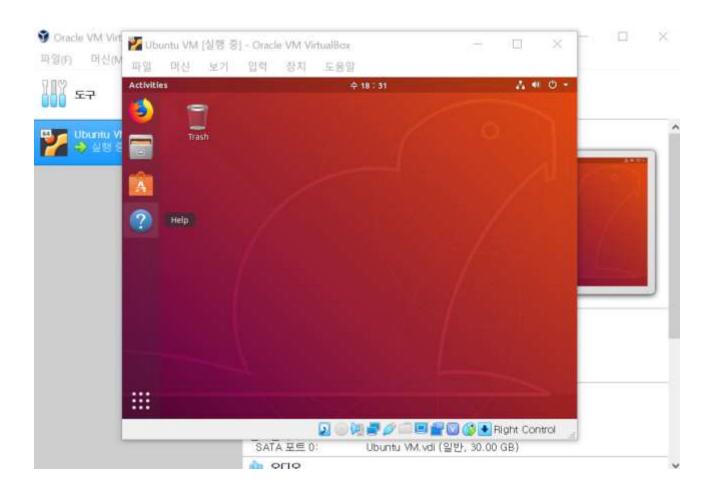
Installing Ubuntu on the VM (8)



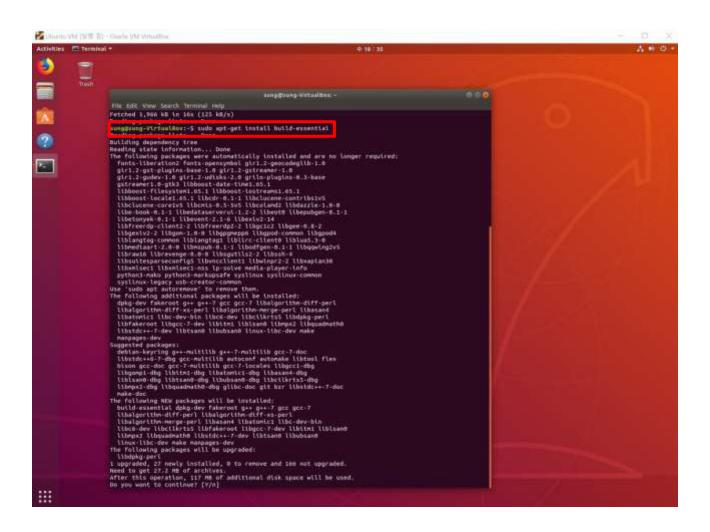
Installing Ubuntu on the VM (9)



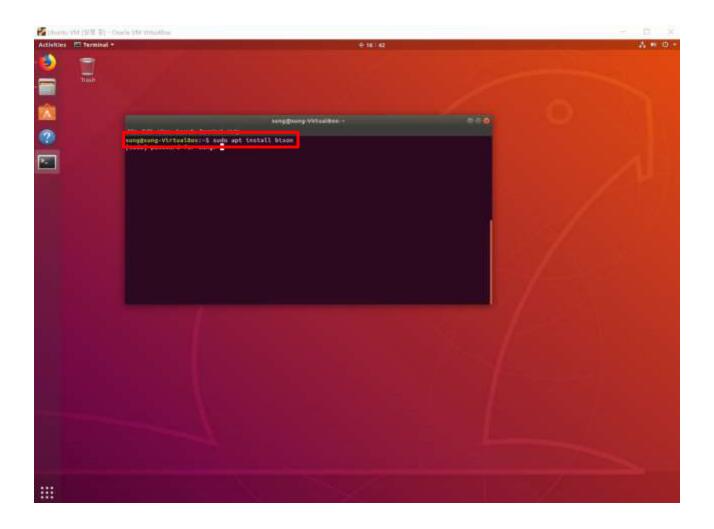
Installing Ubuntu on the VM (10)



Installing Ubuntu on the VM (11)



Installing Ubuntu on the VM (12)



Installing Ubuntu on the VM (13)



Ubuntu standard command

- 1. Open terminal
 - Press [Ctrl + Alt + t]
- Create a directory
 \$ mkdir project2
- 1. Enter the directory \$ cd project2
- 1. Download the source code

\$ wget https://sourceforge.net/code-snapshots/svn/s/sp/spimsimulator/code/spimsimulator-code-r694.zip

- 1. Unzip file
 - \$ unzip spimsimulator-code-r694
- Search build essential package
 \$ apt search build-essentials
- Install build essential package
 \$ sudo apt install build-essentials

Ubuntu standard command

1. More terminal command

- http://www.informit.com/blogs/blog.aspx?uk=The-10-Most-Important-Linux-Commands
- https://www.ubuntupit.com/the-50-best-linuxcommands-to-run-in-the-terminal/
- https://maker.pro/linux/tutorial/basic-linuxcommands-for-beginners

