

Operating Systems and System Programming

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- 1. Install Linux (Ubuntu)
- 2. Common commands
- 3. Practice



- Install Ubuntu for windows
 - Install Windows Subsystem for Linux
 - wsl –install
 - store
 - Download and install Ubuntu
 - wsl –install –d ubuntu
 - Store
 - Configure Ubuntu

https://ubuntu.com/tutorials/install-ubuntu-on-wsl2-on-windows-10#3-download-ubuntu https://learn.microsoft.com/en-us/windows/wsl/install



- Common commands
 - Is list the contents of the directory
 - pwd print working directory
 - cd change directory
 - · cd go to home folder
 - cd .. Move a level up
 - cd previous directory
 - cp copy
 - cp file_to_copy.txt new_file.txt
 - cp -r dir_to_copy/ new_copy_dir/

https://kinsta.com/blog/linux-commands/#the-mostused-linux-commands



- Common commands
 - rm remove
 - rm file_to_copy.txt
 - rm -r dir_to_remove/
 - rm -rf dir_with_content_to_remove/
 - mv move
 - mv source_file destination_folder/
 - mv old_file.txt new_named_file.txt



- Common commands
 - mkdir make directory
 - mkdir directoryname
 - mkdir –p directory1/directory1/
 - touch update the access and modification times of the specified files
 - touch -m old_file
 - touch new_file_name



- Common commands
 - chmod change the mode of a file (permissions)
 - r (read)
 - w (write)
 - x (execute)
 - **-** ./
 - exit end a shell session
 - sudo act as a superuser or root user while running a specific command
 - shutdown



- Common commands
 - cat view and concatenate files
 - ps take a look at the processes your current shell session is running
 - kill force close a program
 - vim text editor
 - grep
 - grep "linux" long.txt



- practice
 - Above commands
 - Create and edit a file with vim.