CLI : *Command Line Interface*

window: Git Bash

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pwd: current path

cd: change directory **ls**: list files and directories **=> cd and ls**

- / root
- . cuttent directory
- .. upper-level directory
- ~ home of current user
- /[directory name] absolute path
- ./[directory name] relative path
- . ./[directory name] relative path

=> ls options : -l / -lh

- ls : List the files in the working directory
- ls /bin: List the files in the *bin* directory (or any other directory we care to specify)
- ls -l : List the files in the working directory in long format
- ls -l /etc /bin : List the files in the *bin* directory and the *etc* directory in long format
- ls -la .. : List all files(normally hidden)
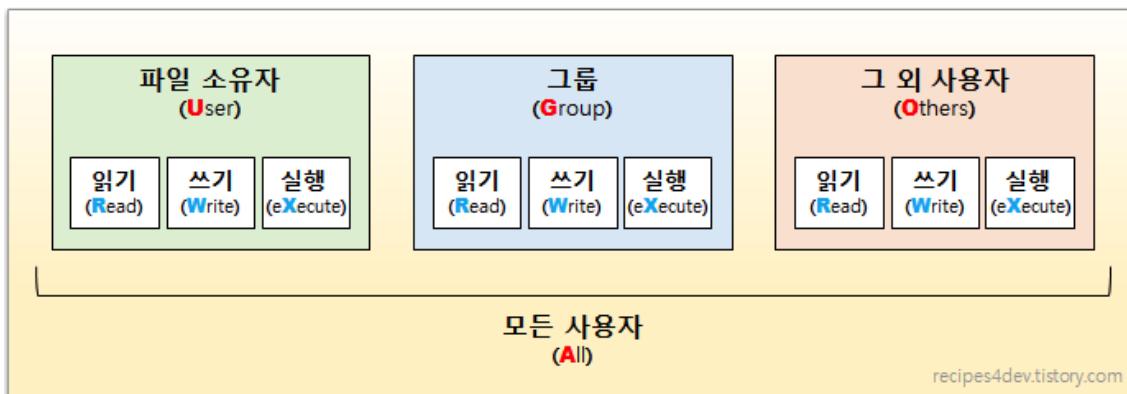
Long Format

Shell command: Long Format

```
-rw-------   1 me      me            576 Apr 17  2019 weather.txt
drwxr-xr-x   6 me      me           1024 Oct  9  2019 web_page
-rw-rw-r--   1 me      me         276480 Feb 11 20:41 web_site.tar
-rw-------   1 me      me           5743 Dec 16  2018 xmas_file.txt

----------   -------  -------  --------  ------------  -------------
     |           |        |        |           |            |
     |           |        |        |           |          File Name
     |           |        |        |           |
     |           |        |        |          +---  Modification Time
     |           |        |        |
     |           |        |       +------------  Size (in bytes)
     |           |        |
     |           |       +----------------------  Group
     |           |
     |          +---------------------------------  Owner
     |
    +----------------------------------------------- File Permissions
```

Source: https://linuxcommand.org/lc3_lts0030.php

파일 소유자
(**U**ser)

읽기
(**R**ead)　쓰기
(**W**rite)　실행
(e**X**ecute)

그룹
(**G**roup)

읽기
(**R**ead)　쓰기
(**W**rite)　실행
(e**X**ecute)

그 외 사용자
(**O**thers)

읽기
(**R**ead)　쓰기
(**W**rite)　실행
(e**X**ecute)

모든 사용자
(**A**ll)

recipes4dev.tistory.com

cp: copy files and directories

- cp file1 file2: copies the contents of file1 into file2. file2 X -> created /
  file2 silently -> overwritten file1
- cp file1 dir1: copy the contents of file1 inside of directory dir1
- -r: copy the contents of the directory

mv: move files and directories or rename them(like ctrl + x / v)

- mv file1 file2: file2 X -> file1 is renamed file2 / file2 O ->replace contents
  file1
- mv file1 file2 dir1: file1,2 are moved to dir1/ dir1 X -> error
- mv dir1 dir2: dir2 X -> dir1 renamed dir2/ dir2 O -> dir1 moved within dir2

rm: delete files and directories permantely and irreversevely

- rm file1 file2 ... : Delete file1 and file2 and ...etc
- rm -r dir1 dir2: Directories dir1 and dir2 are deleted along with all of their
  contents.(r: directory 까지 삭)

mkdir: make a new directory
hlep: hlep command
clear: clear
exit: Exiting terminal

Wildcards

* : All filenames
g*: All filenames that begin with the character "g"
b*.txt : All filenames that begin with the character "b" and end with the characters
".txt"
Data??? : Any filename that begins with the characters "Data" followed by exactly 3
more characters

Tip

Autocompletion : press 'tab' key
Past commands: up arrow key