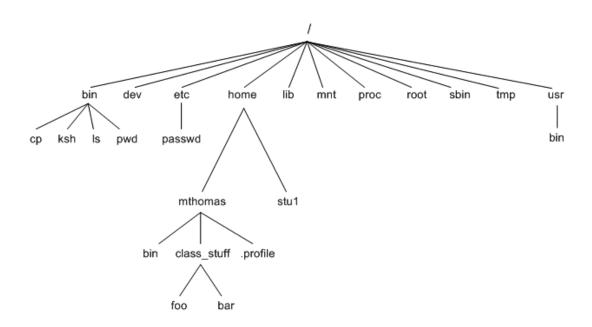
CSC209 Week 7 Notes

Hyungmo Gu

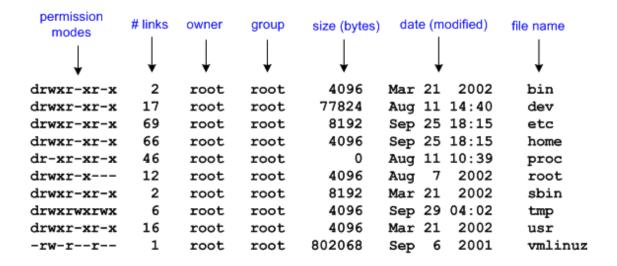
May 15, 2020

Unix Filesystem 1 of 1

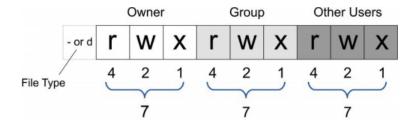
- is a file system supported by many unix and unix-like operating systems
 - i.e. Linux, Mac



• ls and Contents of Inodes (File Attributes)



 Permission of Modes: The permissions assigned to the file for the owner, the group and all



Here,

- * **r** means read
- * w means write
- * **x** means executable
- Number of Links: Number of Symlinks associated to this file
- Owner: the owner of the file
- **Group:** associated group for the file
- **Size:** the size of the file in bytes
- Modification Date: the date file was last modified
- File Name: Name associated to this file

Symlinks

- Syntax: ln -s <Source ><Destination >
- is like shortcut in Windows

- can cross file systems across different users, i.e. \moegu to \mylove

```
>>> echo hello > symlink_example_source.txt
>>> ln -s symlink_example_source.txt symlink_example_link.txt
>>> cat symlink_example_link.txt # <- symlinked file
hello</pre>
```

• Other notes

- Max size of single file is 2GB