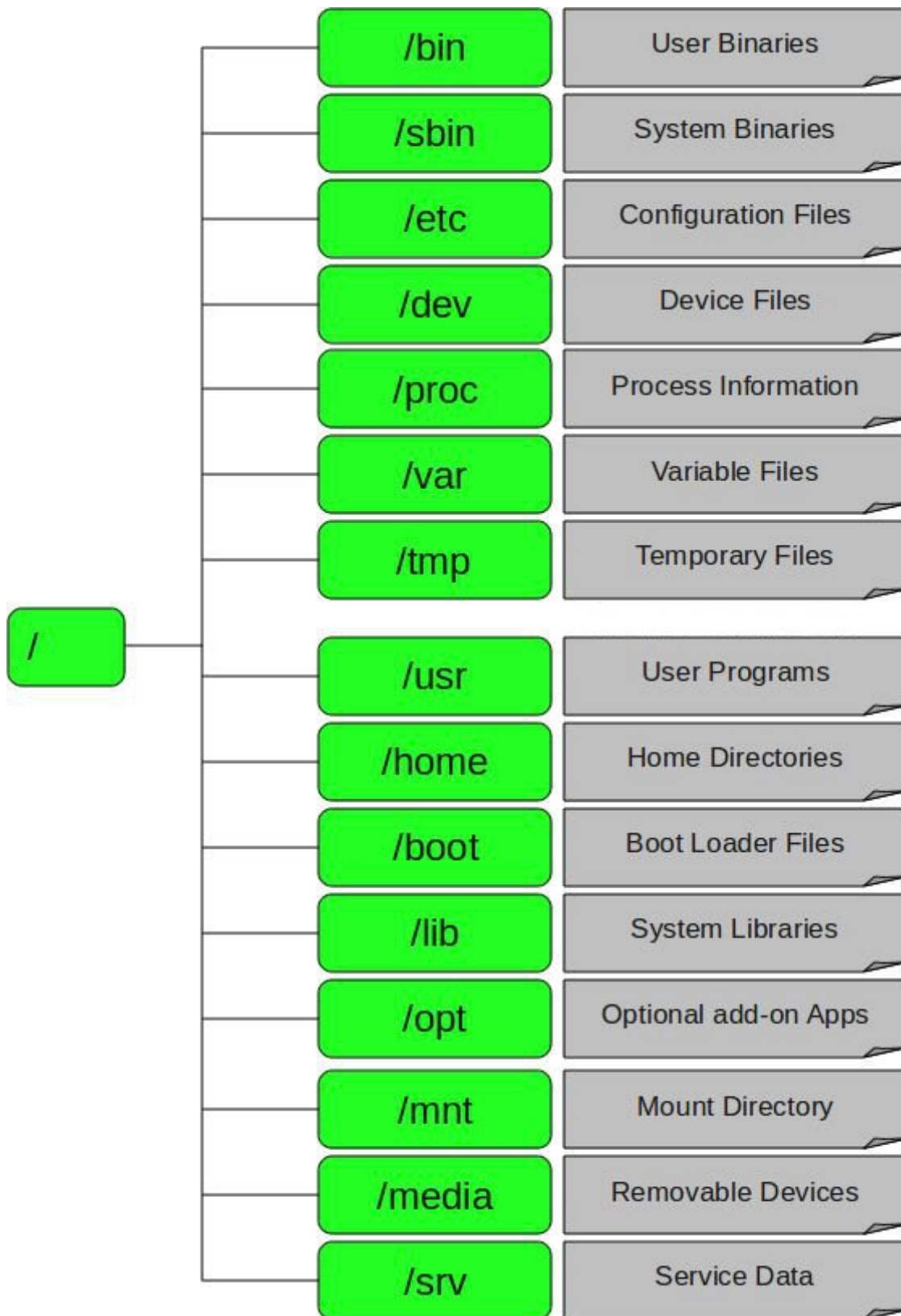


## Linux File Types

- Ordinary files: These are regular files. (white/black)
- Directories: These are files that contains other files and directories, and provide pointers to them. (blue)
- Symbolic links: These special files link to another file, in a different location. (Cyan)
- Block and character device files: All physical devices in Linux are represented by device files. e.g. /dev/sda (yellow)
- Socket file: Provides protected inter-process networking. (Purple)
- Named Pipe file: Like socket files but doesn't use network socket semantics. (Red)
- \$ ls -l indicates all these types
  - rw-r--r-- ordinary file
  - brw-rw---- block device file
  - crw-rw-rw- character device file
  - drwxr-xr-x directory file
  - lrwxrwxrwx symbolic file
  - srw-rw-rw- socket file
  - prw-rw-rw- named pipe file



ROOT DIRECTORY  
OF THE ENTIRE  
FILE SYSTEM  
HIERARCHY  
**/**  
PRIMARY HIERARCHY

<b>/bin/</b>	ESSENTIAL USER COMMAND BINARIES
<b>/boot/</b>	STATIC FILES OF THE BOOT LOADER
<b>/dev/</b>	DEVICE FILES
<b>/etc/</b>	HOST-SPECIFIC SYSTEM CONFIGURATION <small>REQUIRED DIRECTORIES: OPT, X11, X11ML, XML</small>
<b>/home/</b>	USER HOME DIRECTORIES
<b>/lib/</b>	ESSENTIAL SHARED LIBRARIES AND KERNEL MODULES
<b>/media/</b>	MOUNT POINT FOR REMOVABLE MEDIA
<b>/mnt/</b>	MOUNT POINT FOR A TEMPORARILY MOUNTED FILESYSTEMS
<b>/opt/</b>	ADD-ON APPLICATION SOFTWARE PACKAGES
<b>/sbin/</b>	SYSTEM BINARIES
<b>/srv/</b>	DATA FOR SERVICES PROVIDED BY THIS SYSTEM
<b>/tmp/</b>	TEMPORARY FILES
<b>/usr/</b>	(MULTI-)USER UTILITIES AND APPLICATIONS <small>SECONDARY HIERARCHY REQUIRED DIRECTORIES: BIN, INCLUDE, LIB, LOCAL, SRIN, SHARE</small>
<b>/var/</b>	VARIABLE FILES
<b>/root/</b>	HOME DIRECTORY FOR THE ROOT USER
<b>/proc/</b>	VIRTUAL FILESYSTEM DOCUMENTING KERNEL AND PROCESS STATUS AS TEXT FILES

## FILESYSTEM HIERARCHY STANDARD ( FHS )





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