| Ubuntu | | |
|---|---|---|
| /bin/ | **Binaries**<br>(*basic shell commands, like* `ls`, `cat`, `grep`, *etc.*) | |
| /sbin/ | **System Binaries**<br>(*binaries that a system admin would use. A standard user typically needs permissions to access these. Both* `bin` *and* `sbin` *are needed to be accessed in single mode, a special mode that boots you as root user to do repairs and upgrades* | |
| /boot/ | **Boot Loaders** | |
| /dev/ | **Devices**<br>(*hardware, including webcams and keyboards; hard drive "a" would be* `/dev/sda` *and the first partition on that hard drive would be* `/dev/sda1`) | |
| /etc/ | **Et Cetera**<br>(*where all system-wide configurations are stored**) | |
| /home/ | **Home**<br>(*all your personal files, documents, and downloads; user settings are also stored here in hidden files (those beginning with a ".")*, *namely the* `.bashrc` *or* `.local` *for individual application or desktop settings.*) | |
| /lib/,<br>/lib32/,<br>/lib64/ | **Libraries**<br>(*files that binaries need to run certain application settings*) | |
| /media/ | **Flash Drives**<br>(*removable drives and devices; Linux automatically installs these*) | |
| /mnt/ | **Mounted Drives**<br>(*permanent storage*) | |
| /opt/ | **Optional**<br>(*manually installed software from vendors and some repositories*) | |
| /proc/ | **System Processes and Resources**<br>(*processes being run in your system/task manager*) | |
| /root/ | **Root User's Home Folder** | |
| /run/ | **Run**<br>(*tempfs file system; everything in it runs in RAM, so files are created as startup and deleted at shutdown; Used for processes that start early in the boot procedure*) | |
| /snap/ | **Snap Packages**<br>(*mainly used by Ubuntu; completely self-contained packages*) | |
| /srv/ | **Services**<br>(*where service data is stored; typically a place to store files you want a server to access if you run a server*) | |

## Ubuntu (cont)

| | |
|---|---|
| /sys/ | **System**<br>(*a way to interact with the Linux kernel; everything in here runs in RAM, so files are created at startup and deleted at shutdown*) |
| /usr/ | **User Applications**<br>(*where user applications are stored; applications installed here considered non-essential for basic system operation; Installed applications are stored in* `/usr/bin, /usr/sbin, /usr/l oca l/bin, usr/lo cal /sbin` *and their libraries in* `/usr/lib, /usr/l oc a l/lib`*; Most programs installed from source code are in the* `local` *folders and larger programs in* `/usr/share`) |
| /var/ | **Variable**<br>(*used to store files that grow in size, like* `/var/crash` *for crashes,* `/var/log/` *for program logs, and things like databases for mail and the printer spool, etc.*) |