

Linux Basics

Boot

1. BIOS/UEFI
2. SHIM
3. GRUB
4. KERNEL
5. Init process / process 0
 - systemd
6. User Space
 - Windows manager

Folder

- /bin/
 - binaries,/sbin: superuser binaries
- /boot/
- /dev/
 - devices
- /etc
- /home/
- /media/
- /mnt/
- /opt/
- /proc/
- /root/
- /run/
- /srv/
- /sys/
- /usr/
- /var/

File/Folder permissions

type	[special]			owner			group			all		
d,-,l	SUID	SGID	Sticky	r	w	x	r	w	x	r	w	x
	4	2	1	4	2	1	4	2	1	4	2	1

File types

- First four bytes ('Magic Bytes') define file type

IPC

1	sighup	stop terminal connection
2	sigint	interrupt terminal connection
9	sigkill	
15	sigterm	
18	sigcont	
19	sigstop	