

3105 (Basic Imput loutput System)

- * personne some system integrity check.
- * seconds program.
- * 24 looks for boot loader in CD-drive, hand drive
 - * Once the boot loader program is detected & loaded into the memorial BIOS gives control to
 - -> A boot loader is a type of program that
 loads & starts the boot time tasks & process
 of an operating system.
 - -> A boot loader is also known as a boot mourager on bootstrap loader.
- * BIOS loads and executes MBR boot loaden.

MBR (Master Boot Record)
* It is located in the 1st sector of the bootable disk. * It can be found in Identified on Identified * MBR is less than 512 begtes in site bouring 3 components.
a. primary boot loader info in 1st 446; b. partion table in next 64 B c. MBR validation check in lost 28
Boot loades Pasition touble Boot signodused into 1 1
* MBR contains information about GRUBON
* Thus MBR executes the GRUB boot loadest
GRUB (Ground Unified Bootloadese)
* if multiple openeding system images our instabled in a system, to with the help of GRUB we can choose which one to be
* GIRUB displayer or splays screen agains for
few seconds if we do not sweet then
detains kennel on os = 100 fe lando
Jours in /boot/grob/grob.comil
* GRUB Roads & executes kernel & inited images
A. A. Marian

W. Kennel

* it executes the bbin int paragram

* Enit is the first program executed by kernel so the init process gets the process of the process

* using ps-eflysepinit we can sheek pid.

* I nitard stounds gon Initial RAM Disk.

I Inited is used by kennel or temporary
sucot file system until kennel is booted at the
exact file system is mounted.

21 contains necessary drivers compiled indinside, which helps ; + to access hard drive partions & other hlw.

V. init

* Looks out the letelinittoobgile to decide the linux sun level.

* Following are the available our levels

o-Roch 4. - unused

1 - single user

2 - Moltiuser, 6 - reboot

coilbout NFS

3 - Full multiuser mode

* Init defines the defendt in thered from letelinithab & uses that to load all appropriate programs.

Vi. Russlevel programs

- * Depending on the default init level setting the system will execute the programs.
- * programs stants with 5 are used doring stantup, \$5 -> stantup.
- * priograms starts with k are used during shotdowp. k -> kill
- * S & k will send with sequence of rune withic which tells the system to stanton kill the programs.