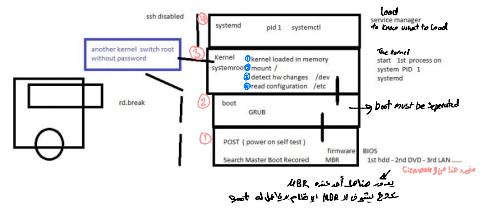


Boot Process

post >> boot >> kernel >> system



GRUB GRand Unified Bootloader

windows,linux,unixeach OS has its own bootloader.

```
systemd
# systemctl list-unit-files -t service
# systemctl list-units -t service
```

all services /show
loaded only /show

```
# systemctl enable firewalld.service  
# systemctl disable firewalld.service  
# systemctl start firewalld.service  
# systemctl stop firewalld.service  
# systemctl restart firewalld.service  
# systemctl reload firewalld.service
```

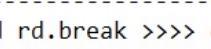
top + start
at update without stop+start

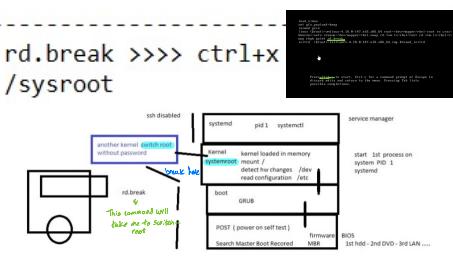
```
# systemctl get-default          → get mode type  
# systemctl set-default targetname → set mode type
```

- init 0 shutdown mode → will shutdown the system
- init 1 single user mode → most services closed, used to maintain the system
- init 2 multi user mode enabled networking → most services closed but enabled in Network, sharing enables with GUI
- init 3 multi user server all services enabled with out GUI
- init 4 not used, customized run
- init 5 GUI
- init 6 reboot

To reset password - fast

```
boot menu press e >>> linux add rd.break >>> ctrl+x  
switch root# mount -o rw,remount /sysroot  
switch root# chroot /sysroot  
sh# passwd root  
sh# touch /.autorelabel Save or Setting  
sh# exit  
switch root#exit
```



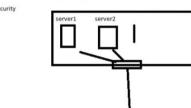


كيل المتر يو جازع ماع يعرف لعو ال DS
كيل المتر يو جازع ماع يعرف لعو ال DS

Bios → Boot → CD-ROM HD

systemroot switch root passwordless root

طريقه عيال صناعي
هي اند تصنعي جر عيال
physically



البهر المادي يعني يدخل على الـ password على الجهاز
ويعاًكـ اـ صـ حـ سـ هـ ، بـ جـ اـ نـ يـ بـ اـ اـ اوـ ophcrack
نـ يـ دـ حـ وـ دـ يـ اـ لـ اـ خـ اـ جـ هـ ، وـ جـ دـ عـ اـ كـ الـ password
عـ اـ لـ جـ اـ هـ local .

```
Generating "/run/initramfs/rdssreport.txt"

Entering emergency mode. Exit the shell to continue.
Type "journalctl" to view system logs.
You might want to save "/run/initramfs/rdssreport.txt" to a USB stick or /boot
after mounting them and attach it to a bug report.

switch_root:# pui

switch_root:# ls
bin dev dructate.sh early_cpio etc init kernel lib lib64 proc root run sbin shutdown sys sysroot tmp usr var

switch_root:# mount -o rw,remount /sysroot
switch_root:# chroot /sysroot
ch-4.48 is
backup boot etc /proc /sbin /sys /tmp /usr /var
ch-4.48 media opt root sales_data srv testAccess testUsers usr workl
ch-4.48 passwd root
Changing password for root user.
BAD PASSWORD: The password contains the user name in some form
Please enter new password:
password all authentication tokens updated successfully.
ch-4.48 exit
ch-4.48 exit_
exit_
switch_root:# exit_
```