**Grub 1.0**

1st stage 1

2nd stage 1\_5

3rd stage 2

4th kernel (+initrd)

5th init-run level (/etc/inittab)

Rc.sysinit: it's run in all modes

Rc.local: like run in windows(you can append)

Systemd 🡪 Unit 🡪 1. Service 2. Socket 3. Mount 4. Target

הצפנה מסוג md5crypt = md5

Rd.break 🡪 /sysroot = /

Who –r = what run level is now

Grub2-mkconfig = default grub2 file

Grub2-set-default = configure default kernel to boot from

Chkconfig --add / --dell / --level = עריכת עליית המערכת במצב מסויים

**Grub 2.0**

1st boot.img

2nd core.img

3rd stage 2

4th kernel (initrd 🡪1.modules 2.systemd 3.init)

/etc/grub.d/

/etc/systemd/system/default.target

Emergency.target (/,ro)

Multi-user.target

Graphical.target

לעבור למצב הצלהsystemctl isolate rescue /,rw =

לשנות את מצב ברירת המחדלsystemctl set default+"mode" =

grub> set root=(hd0,1)

grub> linux /vmlinuz root=/dev/sda1

grub> initrd /initrd.img

grub> boot