/boot

-
-
- . /boot
- /boot
- initrd
-
  - tmpfs /boot
  - initrd
  - initrd
-
-

:

- Astra Linux Special Edition .10015-01 (1.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Common Edition 2.12 ( )

. :

- boot LVM.

(/boot) , - . :

- " ";
- /boot;
- /boot , ;
- initrd;
- ;

, : /boot. , , :

```
- - - [ end Kernel panic - not syncing: VFS: Unable to mount root fs on unknow-block(0,0)
```

.

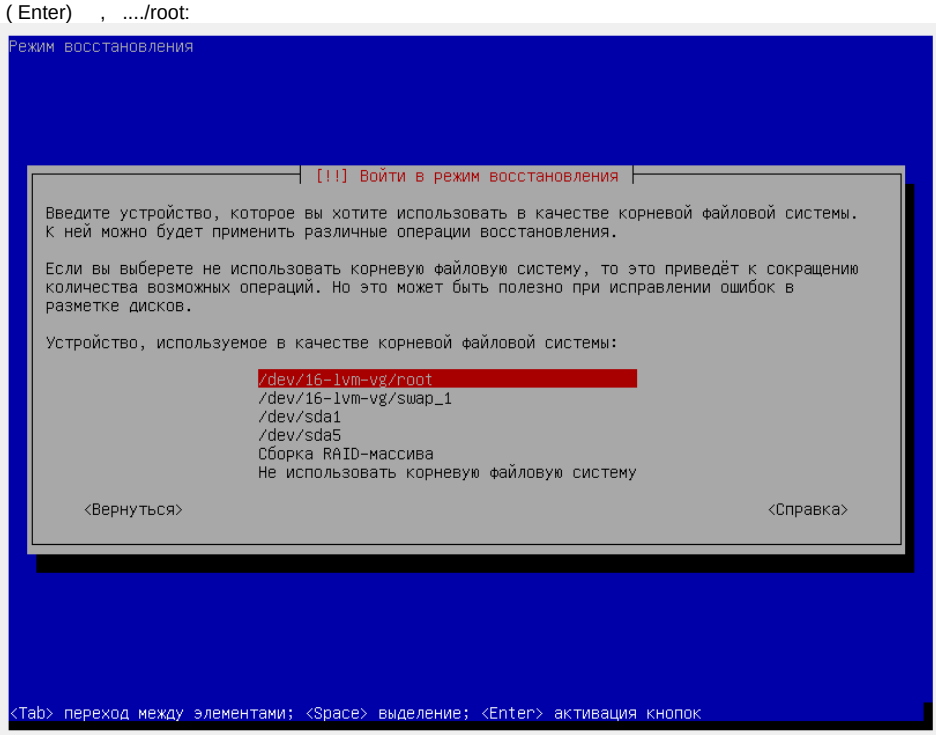
, LVM, , LVM. , .

(USB-) Astra Linux Special Edition 1.6.
:

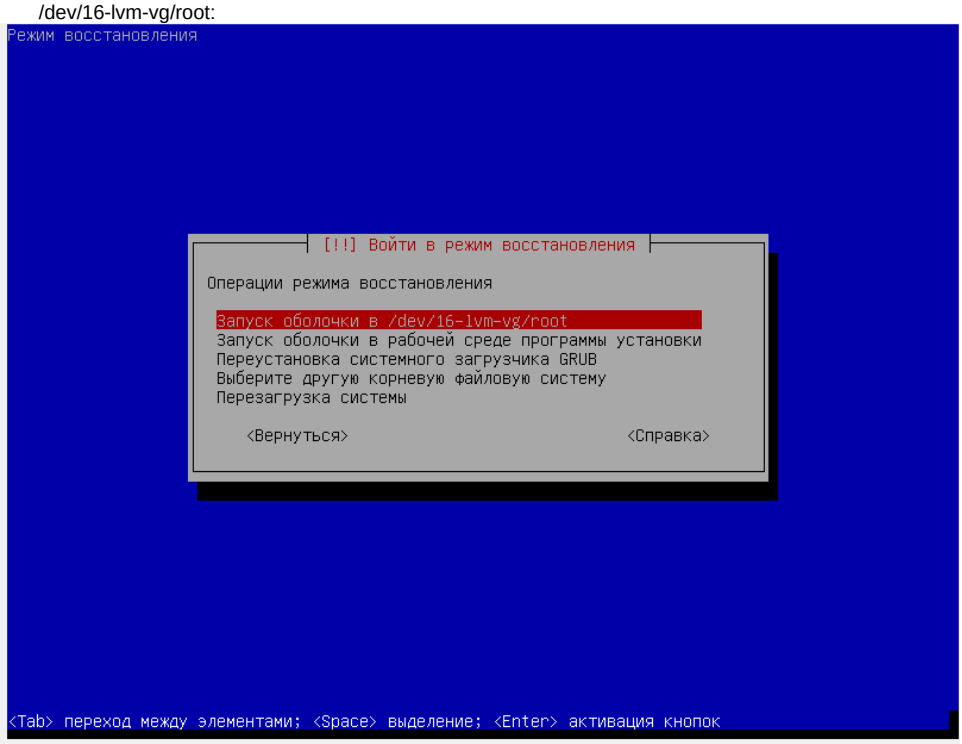
1. ;
2. ;

3. " ":

4. (Enter) , .../root:

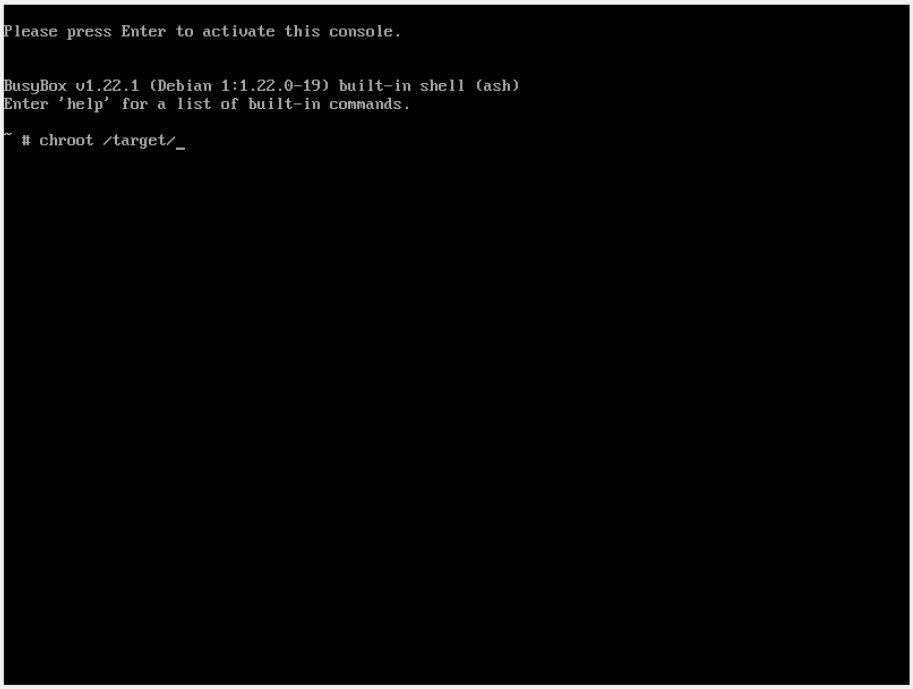


5. /dev/16-lvm-vg/root:



:

6. **CTRL+ALT+F2** **Enter**, :



7. :

```
chroot /target
```

. .: .

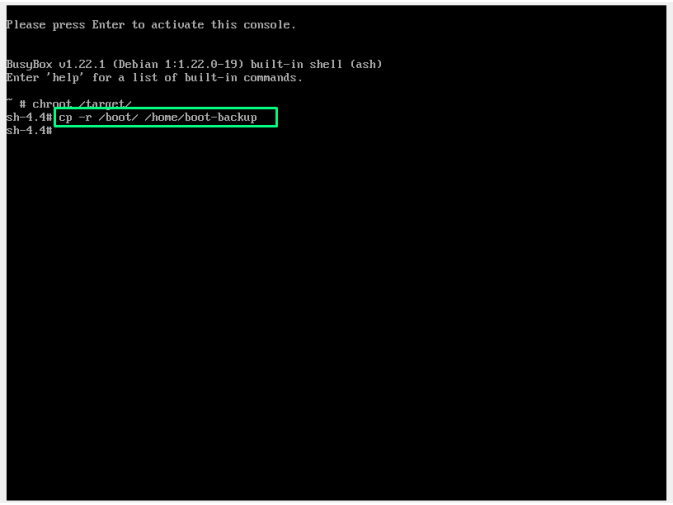
. /boot

/boot .

/home, boot-backup, .

:

```
cp -r /boot/ /home/boot-backup
```



.

/boot

/boot:

```
ls -la /boot
```

```
 226516
drwxr-xr-x 3 root root 4096  10 21:40 .
drwxr-xr-x 25 root root 4096  13 17:27 ..
-rw-r--r-- 1 root root 1492731  20 2018 abi-4.15.3-1-generic
-rw-r--r-- 1 root root 1467894  20 2018 abi-4.15.3-1-hardened
-rw-r--r-- 1 root root 215263  20 2018 config-4.15.3-1-generic
-rw-r--r-- 1 root root 215941  4 16:10 config-4.15.3-2-generic
drwxr-xr-x 5 root root 4096  10 21:40 grub
-rw-r--r-- 1 root root 46731042  10 21:40 initrd.img-4.15.3-1-generic
-rw-r--r-- 1 root root 45810528  10 21:39 initrd.img-4.15.3-1-hardened
-rw-r--r-- 1 root root 46182771  10 21:40 initrd.img-4.15.3-2-generic
-rw-r--r-- 1 root root 44873873  10 21:40 initrd.img-4.15.3-2-hardened
-rw------- 1 root root 8038256  20 2018 old-vmlinuz-4.15.3-1-generic
-rw------- 1 root root 7214960  20 2018 old-vmlinuz-4.15.3-1-hardened
-rw-r--r-- 1 root root 0  20 2018 retpoline-4.15.3-1-generic
-rw-r--r-- 1 root root 0  20 2018 retpoline-4.15.3-1-hardened
-rw------- 1 root root 3969624  20 2018 System.map-4.15.3-1-generic
-rw------- 1 root root 3186040  20 2018 System.map-4.15.3-1-hardened
-rw------- 1 root root 3995440  4 16:10 System.map-4.15.3-2-generic
-rw------- 1 root root 3174738  4 16:10 System.map-4.15.3-2-hardened
-rw------- 1 root root 8144672  4 16:10 vmlinuz-4.15.3-2-generic
-rw------- 1 root root 7190304  4 16:10 vmlinuz-4.15.3-2-hardened
```

, /boot - 4.15.3-1 4.15.3-2, - generic hardened. rm. , hardened, , :

```
rm /boot/*-4.15.3-1-hardened
```

initrd

initrd :

```
update-initramfs -t -u -k 4.15.3-2-generic
```

4.15.3-2 , .

tmpfs /boot

, /boot , , :

```
mount -t tmpfs none /boot
```

/boot , .

initrd

initrd :

```
update-initramfs -t -u -k 4.15.3-2-generic
```

4.15.3-2 , .
, initrd, , /home :

```
  cp -r /boot/initrd.img-4.15.3-2-generic  /home
```

initrd

tmpfs /boot :

```
umount /boot
```

tmpfs /boot .

initrd.img-4.15.3-2-generic :

```
cp -r /home/initrd.img-4.15.3-2-generic /boot/
```

- , .

initrd :

```
update-grub
```

:

```
exit
```

:

```
reboot
```

.

, .

, , :

```
sudo apt -f install
```