

Astra Linux LVM LVM

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 - LVM
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..:

- Astra Linux Special Edition x.7 .
- boot LVM. .



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



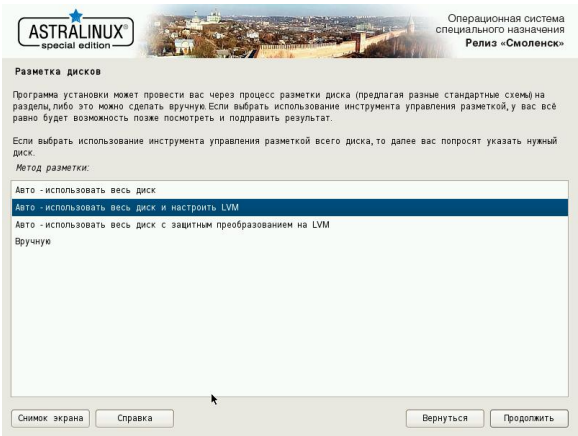
LVM - (. logical volume manager) — , / .

- (physical volume, pv) — , (, RAID-);
- (volume group, vg) — pv (,);
- (logical volume, lv) — ; hda1, sdb3 . ; .

Astra Linux LVM

Astra Linux LVM :

1. :



! /boot LVM.
Astra Linux " " , .



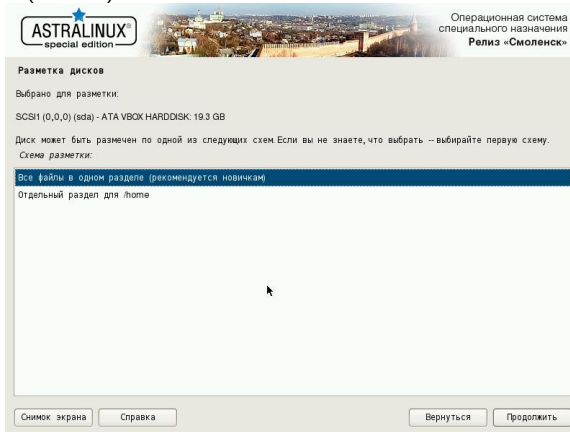
! , (,).
, ().

2. LVM (- , . Astra Linux).
3. (LVM):

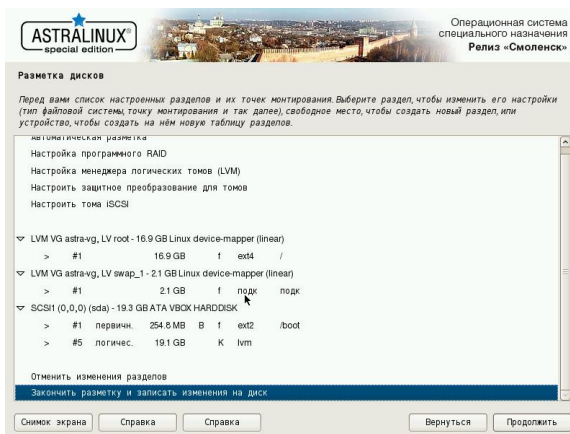
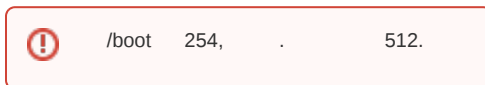
a. :



b. (-):



c. , :



4. . .

LVM

LVM :

```
sudo vgs
```

```
VG          #PV #LV #SN
Attr      VSize VFree
astra-vg 2    4    2    wz--n- 37,75g
12,00g

astra-vg 37.75GB, 12 (astra-vg ).

LVM ,:
```

```
sudo lvs

LV          VG          Attr          LSize
Pool Origin Data% Meta% Move Log
Cpy%Sync Convert
lvsnap     astra-vg swi-a-s--- 4,00
g          root      79,20
lvsnap2    astra-vg swi-a-s--- 4,00
g          root      75,78
root       astra-vg owi-aos--- 15,76g
swap_1     astra-vg -wi-ao---- 2,00g

root swap_1 (  ),      root (. Origin) lvsnap lvsnap2, 79.20%
75.78%.
```

LVM

 , , .

, , /dev/sdb:

```
sudo pvcreate /dev/sdb
```

:

```
pvs

PV          VG          Fmt Attr
PSize  PFree
/dev/sda5  astra-vg lvm2 a-- 17,76g
0
/dev/sdb   astra-vg lvm2 a-- 20,00g
12,00g

(/dev/sda5, ( ), /dev/sdb, , . astra-vg).

- (- ), ,      vg-astra:
```

```
sudo vgextend astra-vg /dev/sdb
```

:

```
sudo lvcreate -L 4GB -s -n lvsnap
/dev/astra-vg/root
```

:

- -L 4GB - , .



, .:

- , ;
- , , ;
- , , ;

. : Update 3 Astra Linux Special Edition .10015-01 (1.6) 4 79%, (-), (-).

- -s - ;
- -n lvsnap - (lvsnap);
- /dev/astra-vg/root - (. ,).



- LVM , /etc/lvm/lvm.conf :

- snapshot_autoextend_treshold = 100 - , , . 100%, .. ;
- snapshot_autoextend_percent = 20 - , , .



, , , , .

1. , , Live- Astra Linux Common Edition (,).
2. Live- Astra Linux Common Edition lvm2, :
 - a. :
 - i. , (, DNS, 8.8.8.8) , ;
 - ii. /etc/apt/sources.list ;
 - iii. :

```
sudo apt update
sudo apt install lvm2
```

- b. lvm2 .
3. /dev/astra-vg/lvsnap:

```
sudo lvconvert --merge /dev
/astra-vg/lvsnap
```

4. . . , . .