

# Astra Linux LVM LVM

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  - LVM
- 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



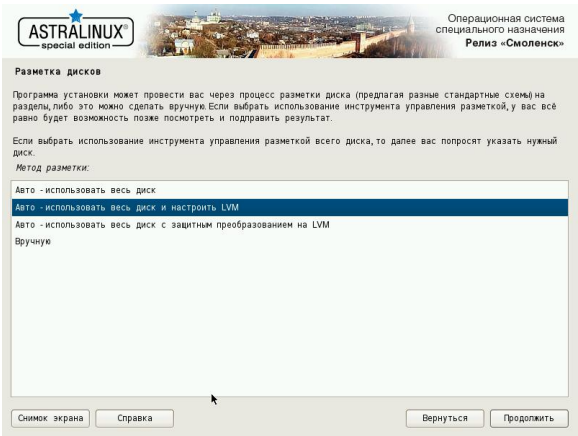
LVM - (. logical volume manager) — , / .

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

## Astra Linux LVM

Astra Linux LVM :

1. :



! /boot LVM.  
Astra Linux " " , .



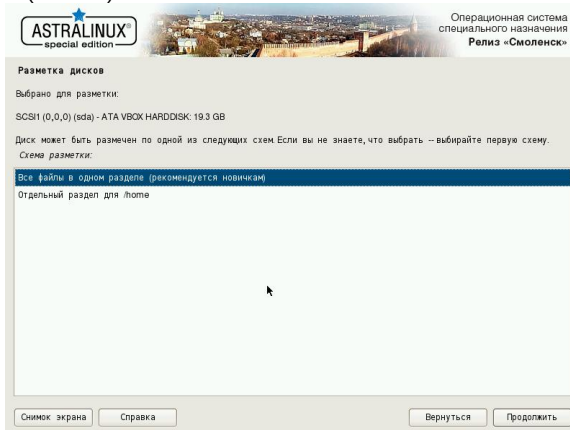
! , ( , ).  
, ( ).

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

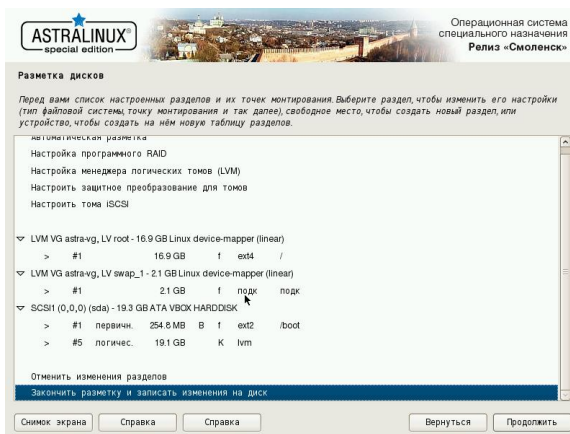
a. :



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. . , .