Astra Linux LVM LVM

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  - LVM
- 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

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

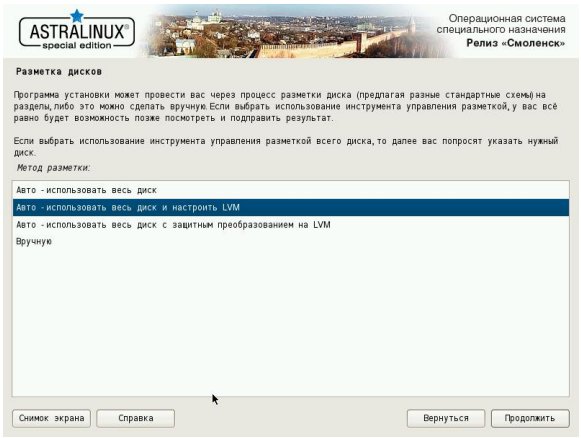
LVM - (. **l**ogical **v**olume **m**anager) — , / .

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

Astra Linux LVM

Astra Linux LVM :

1. :

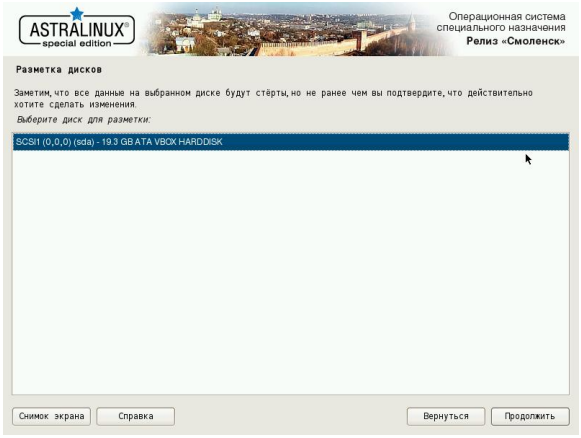


2. LVM (- , . Astra Linux).
3. (LVM):

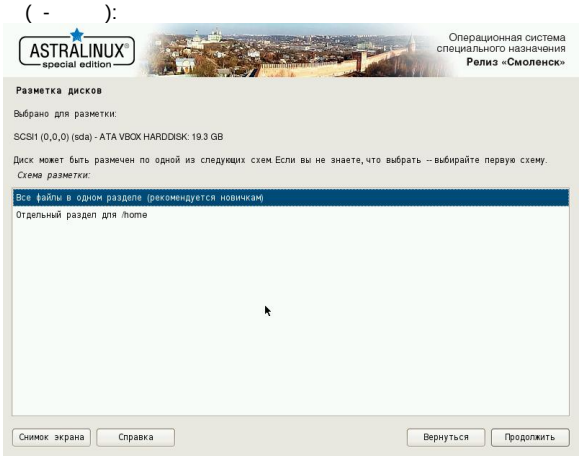
! /boot LVM.
Astra Linux " " , .

! , (,).
, ( ).

a. :

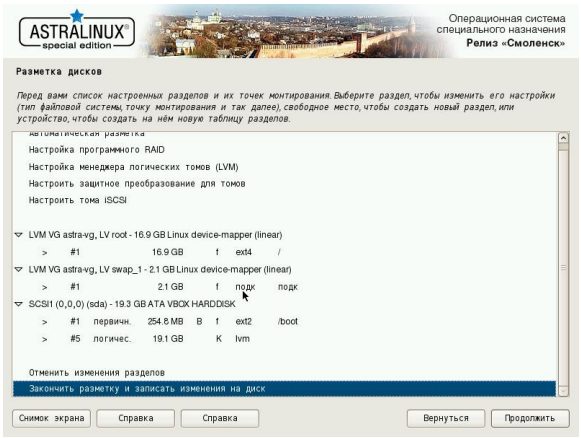


b. (-):



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



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, . , /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
```

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- -L 4GB - , .



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- , ;
- , , , ;
- , , ;

. : 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. . . , . .