

Astra Linux

- mount
- udisksctl (udisks2)
- /etc/fstab.pdac
 - Astra Linux Special Edition: ext2, ext3, ext4,xfs
 -
 -
 -
 - USB
 - ext4
-



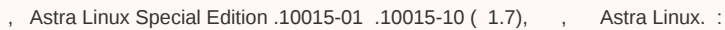
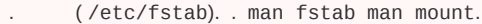
- Astra Linux Special Edition .10015-01 .10015-10 (1.7) (.)
- Astra Linux Special Edition .10152-02 (4.7) (.)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-01 (1.5)
- Astra Linux Special Edition .10015-16 .1 .2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition ()



- **Redundancy**
- **Redundancy**



- **(SSD):**

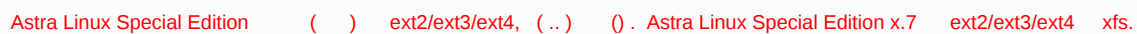


- , Astra Linux Special Edition x.7 , , , ;
- Astra Linux Special Edition x.7 , ;

- ```

- .
• - , USB- CD/DVD-.
• - .
• - .
 ○ mount -a , /etc/fstab.
 ○ udev.
• - fly-admin-reflex (,). , .
• - (mount, udisksctl).
• - ().
• - .
• - .
• - .
• - .
• - .
• - .
• - ().
• UUID - ().

```



. « , 1» .

Astra Linux Special Edition :

- ext2/ext3/ext4;
- xfs ( Astra Linux Special Edition x.7);
- vfat;

- ntfs ( );
- iso9660/udf;

( ) :

```
sudo astra-mount-lock enable
```

:

```
astra-mount-lock disable
```

:

- Astra Linux Special Edition x.7 :
  - /lib/udev/rules.d/91-group-floppy.rules — , /etc/fstab.pdac. , . floppy. astra-admin. floppy.
  - /etc/polkit-1/localauthority/10-vendor.d/ru.rusbitech.noudisksmount.pkla — , udiskctl. .
- Astra Linux Special Edition x.7 :
  - , udiskctl ;
  - /usr/lib/udev/rules.d/73-astra-disable-unpreviledged-mtp-access.rules — , MTP , astra-admin.
  - /usr/lib/udev/rules.d/73-astra-disable-unpreviledged-mtp-access.rules , .
- Astra Linux Special Edition x.7 :
  - , udiskctl . / / .

 , , ( ).

## mount

mount Astra Linux :

- . , .
- . /etc/fstab. (, /media/cdrom0).
- . . /etc/fstab.pdac (. : [/etc/fstab.pdac](#)).

:

- floppy, cdrom, disk mount ;



cdrom disk / /dev/srX ( ) /dev/fdX ( ), . floppy Astra Linux Special Edition .

- ( /etc/fstab):

- , - /media/cdrom0:

```
/dev/sr0 /media/cdrom0 udf,iso9660 user,noauto 0 0
```

- , , ;

mount :

1. 0 -, ;
2. 0 -,

/etc/fstab, /etc/fstab.pdac. /etc/fstab.pdac . /etc/fstab.pdac:

1. :

```
mkdir /run/user/`id -u`/media/tmp
```

```
id -u
```

```
. () , /etc/fstab.pdac (. /etc/fstab.pdac);
```

2. , :

```
mount /dev/sda /run/user/`id -u`/media/tmp
```

mount , /etc/fstab . /etc/fstab ( ).

## udisksctl ( udisks2)

udisksctl mount . -, ( ) udisks2.service (. [Ubuntu – Why has Ubuntu moved the default mount points](#)). :

```
/media/<_>/<UUID_>
```

:

```
udisksctl mount -b /dev/<_>
```

:

```
udisksctl unmount -b /dev/<_>
```

udisksctl /etc/polkit-1/localauthority/10-vendor.d/ru.rusbitech.noudisksmount.pkla. Astra Linux Special Edition , :

- Astra Linux Special Edition x.7 ;
- Astra Linux Special Edition x.7 , / sudo astra-mount-lock disable/sudo astra-mount-lock enable;
- Astra Linux Special Edition 1.6 ;
- Astra Linux Common Edition /etc/polkit-1/localauthority/10-vendor.d/ru.rusbitech.noudisksmount.pkla , .

## fly-wm ( )

Astra Linux :

- fly-fm;
- fly-reflex-service ( , ).

mount. " ".

## /etc/fstab.pdac

mount , /etc/fstab.pdac. :

```
/run/user/<__>/media/<__>
```

/etc/fstab.pdac :

```

i # /etc/fstab.pdac: parsec devices access control mount instructions
#
#<file system> <mount
point> <type> <options> <dump>
 <pass>

usb flash
/dev/*fat /run/user/*/media/* auto owner,group,noauto,nodev,noexec,
iocharset=utf8,defaults 0 0
/dev/*ntfs* /run/user/*/media/* auto owner,group,noauto,nodev,noexec,
iocharset=utf8,defaults 0 0
/dev/sd*ext* /run/user/*/media/* auto owner,group,nodev,noexec,noauto,
defaults 0 0

[cd|dvd|bd]rom
/dev/s*udf /run/user/*/media/* udf owner,group,nodev,noexec,noauto,
defaults 0 0
/dev/s*iso9660 /run/user/*/media/* iso9660 owner,group,nodev,noexec,noauto,
defaults 0 0

other
/dev/sd* /run/user/*/media/* auto owner,group,nodev,noexec,noauto,
iocharset=utf8,defaults 0 0

```

- ( , ):
  - fly-admin-reflex. ;
- ( /dev/sd\* ):
  - vfat ntfs: fly-admin-reflex ;
  - ext2, ext3, ext4, xfs: ext2, ext3, ext4, xfs:
    - iocharset, vfat, ntfs, ext2, ext3, ext4, xfs. ext2, ext3, ext4, xfs , ;
  - iso9660 ( ) , /etc/fstab.pdac :

```

/dev/sr* /run/user/*/media/* iso9660,udf user,
noauto 0 0

```

- NVME /etc/fstab. /etc/fstab.pdac :

```

/dev/nvme* /run/user/*/media/* <> user,
noauto 0 0

```

(sudo) ( ext2, ext3, ext4, xfs) mount sudo.

## Astra Linux Special Edition: ext2, ext3, ext4,xfs

, Astra Linux Special Edition /etc/fstab.pdac, " ", ext2, ext3, ext4, xfs. , , iocharset, :

```

i /dev/sd*
noauto 0 0 /run/user/*/media/* auto owner,group,nodev,noexec,

```

vfat , , . ntfs , , iocharset.

, ( ) ( ) ext2, ext3, ext4, xfs, :

- ext2, ext3, ext4, xfs , , ;
- vfat ntfs , , , ;



- Astra Linux Special Edition 1.7 2022-0819SE17 ( 1.7.2)

$$\cdot \quad ( ) \cdot \quad , \quad :$$

- $$\begin{array}{ccccc} \text{H} & & \text{H} & & \text{H} \\ & \backslash & / & & \backslash \\ & \text{C} & - & \text{C} & - & \text{C} \\ & / & \backslash & & / \\ \text{H} & & \text{H} & & \text{H} \end{array}$$

- , ( vfat, ntfs).

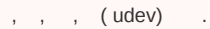
$$\vdots$$

- ( ):

| ext2/ext3/ext4/xfs | vfat/ntfs | ext2/ext3/ext4/xfs | vfat | ntfs | ext2/ext3/ext4/xfs/vfat/ntfs |
|--------------------|-----------|--------------------|------|------|------------------------------|
|                    |           |                    | , :  |      |                              |
|                    |           |                    | ,    |      |                              |

1 2 3

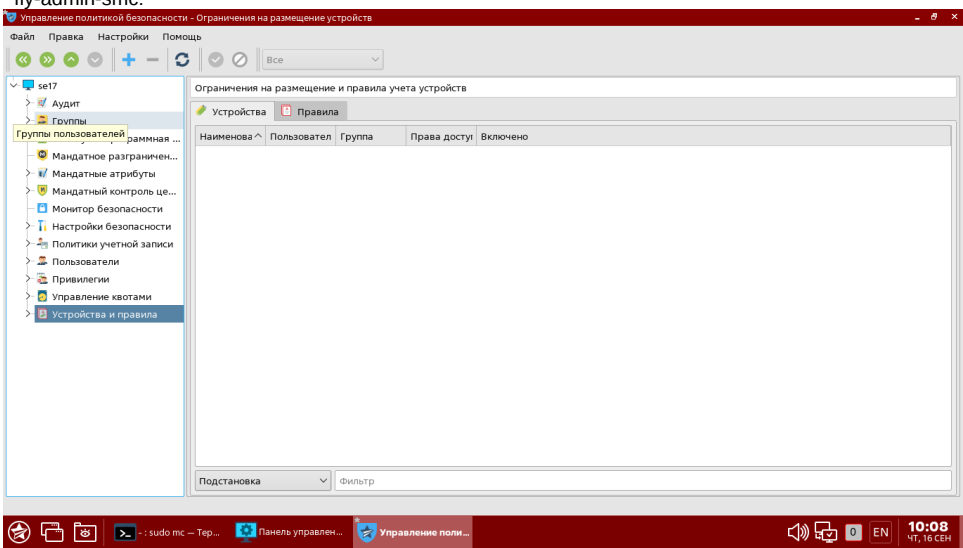
- , , , " , , , "


$$\vdots$$

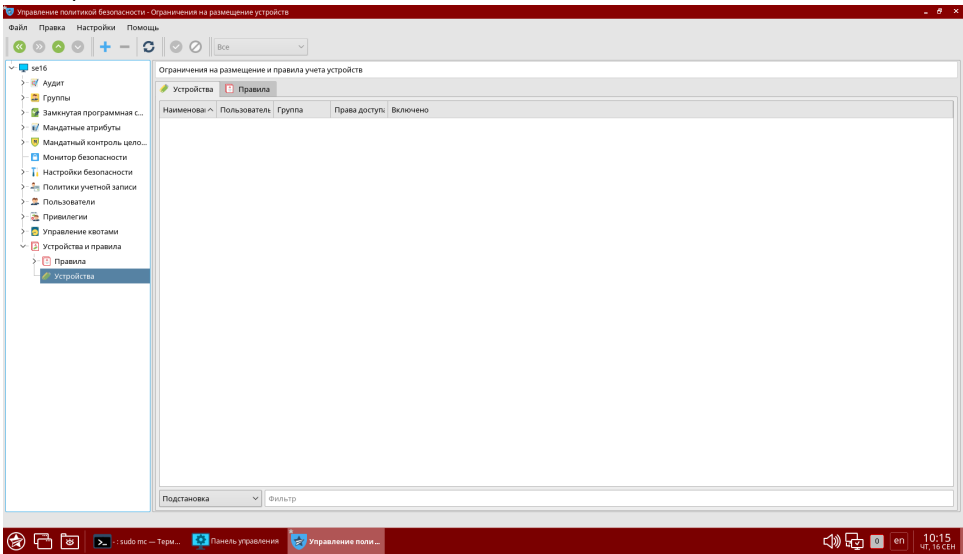
- . ALD .

:

1. fly-admin-smc:

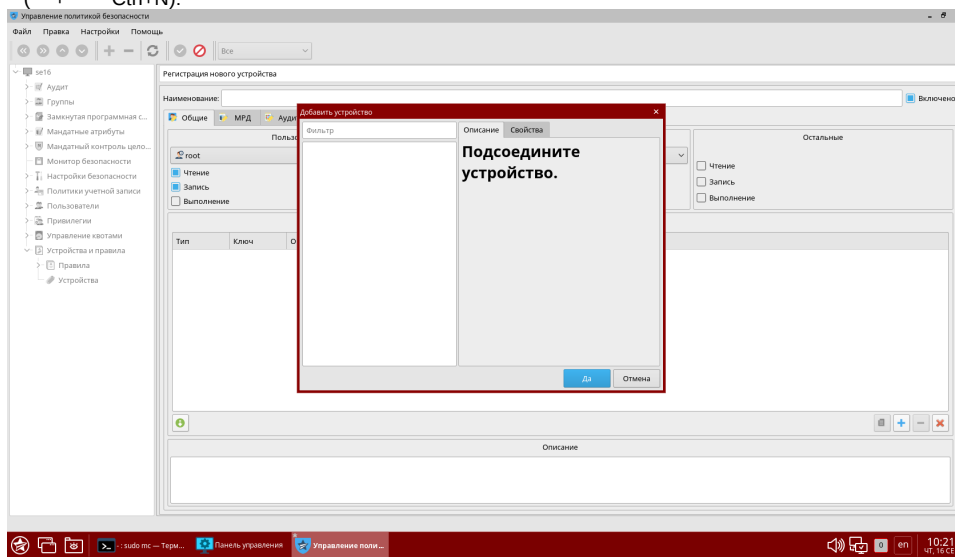


2. " " " "" .

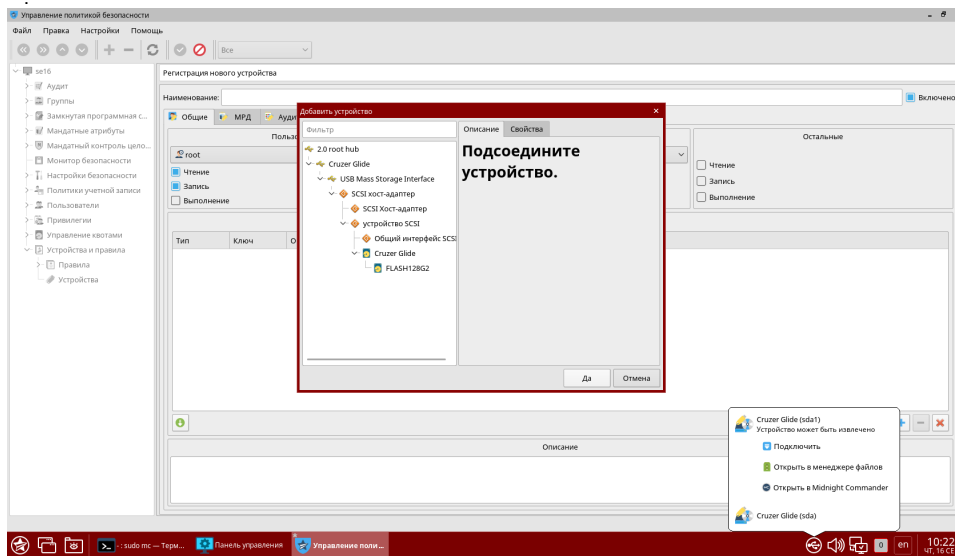


3. , ;

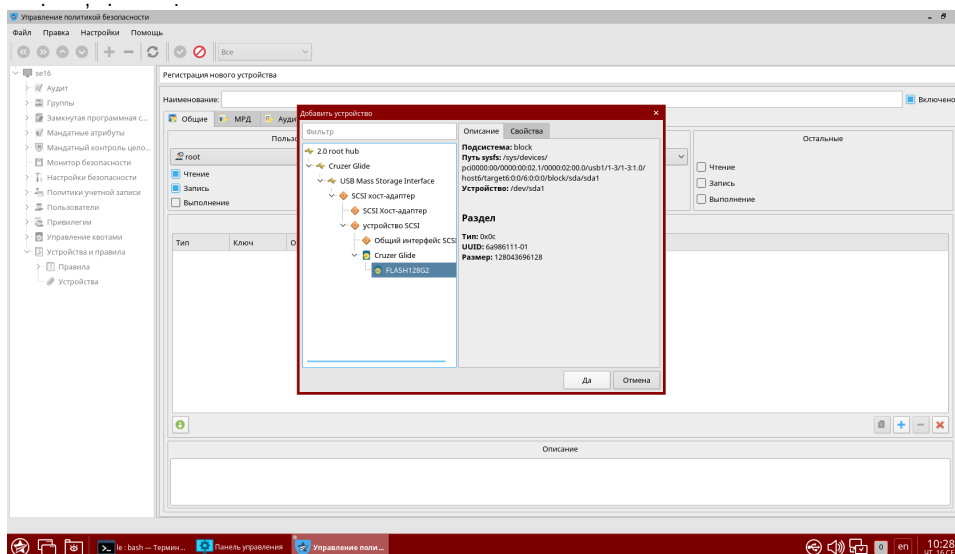
4. ( "+" Ctrl+N):



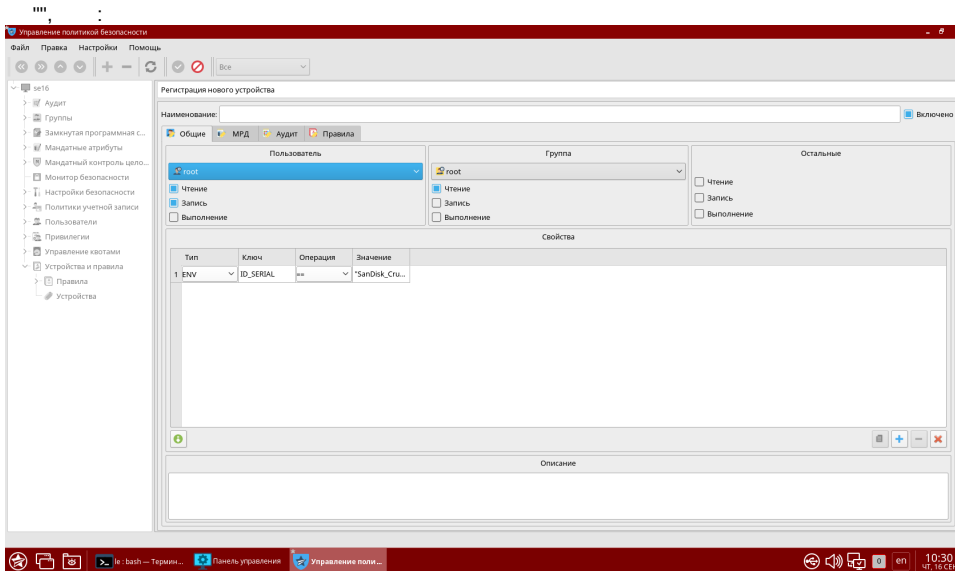
5. :



6. . . . :



7.

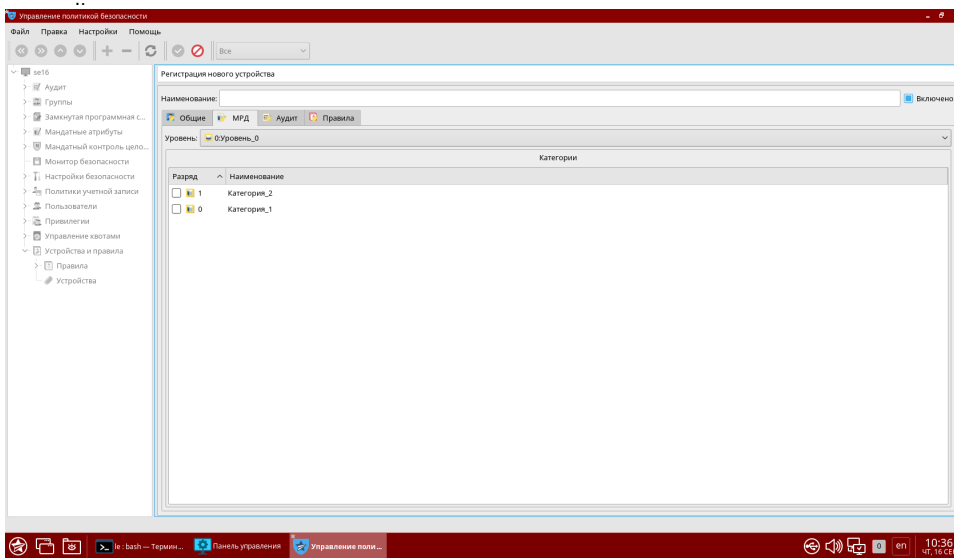


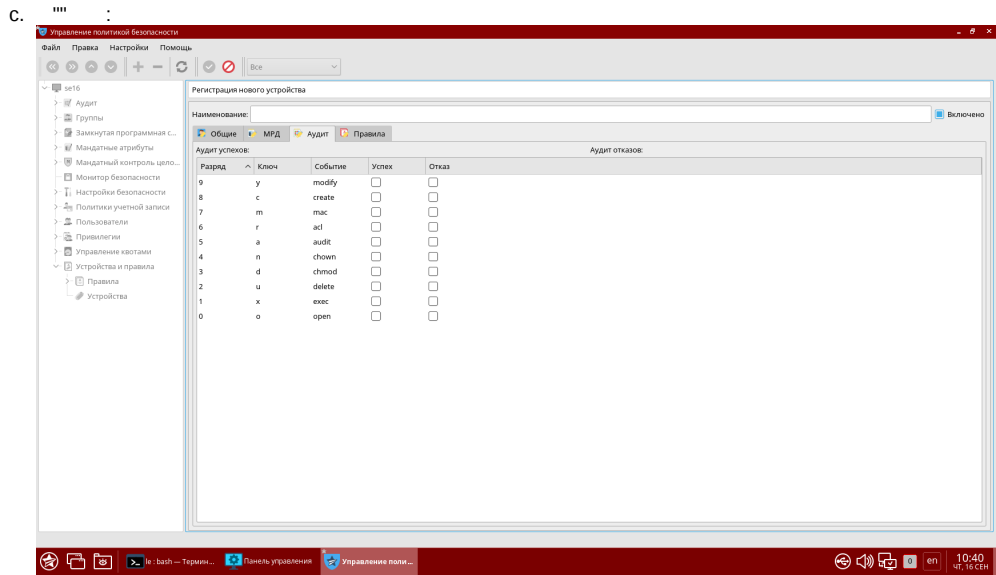
8.

a.

- i. ( );
- ii. , ;
- iii. , ;
- iv. ( ENV ) ID\_SERIAL). ;

b.





d.

e.



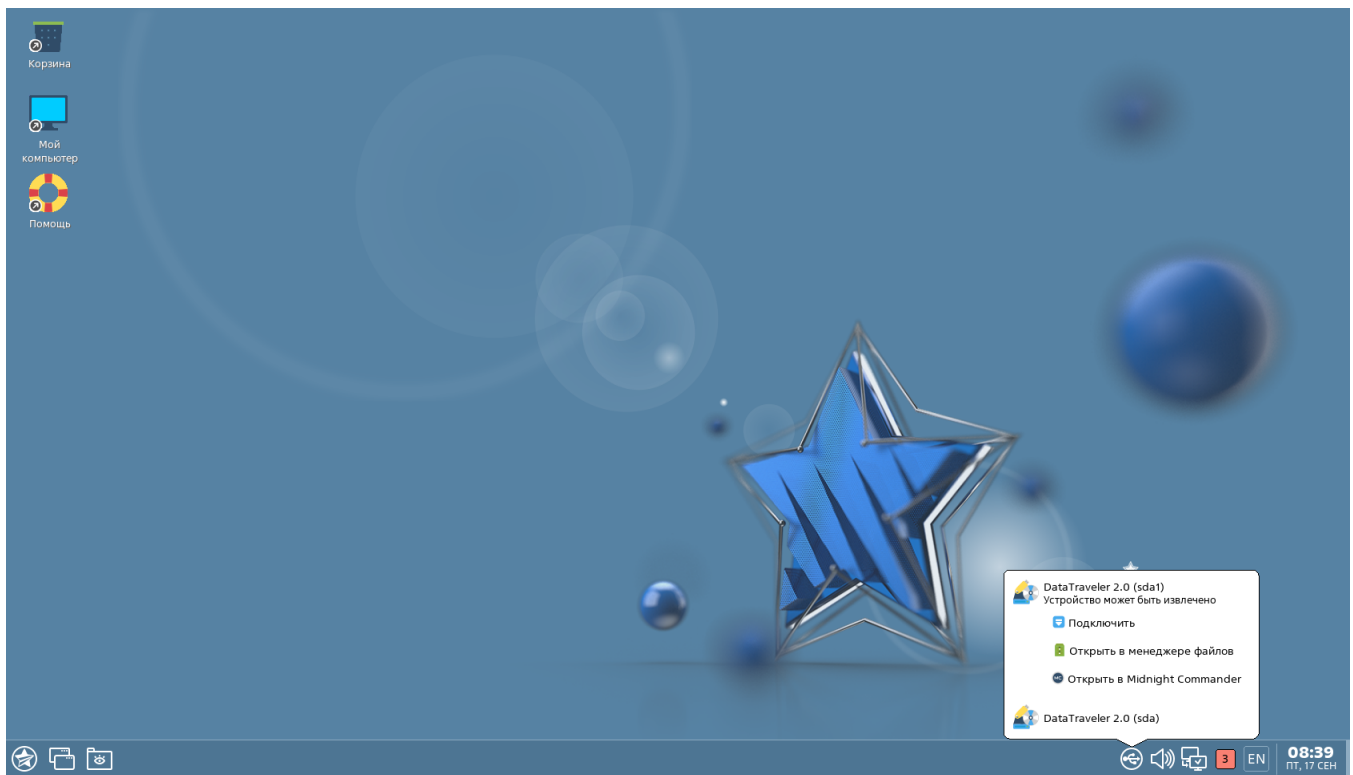
...



...

## USB

Astra Linux - :



, "" 0 (). :

- () /run/user/<UID>/media, UID - ( UID id -u);
- UUID , "by-uuid-", :

```
pdp-ls -lM /run/user/`id -u`/media
```

```
12
drwxrwxrwx--- 1 macuser macuser _0:::0x0 by-uuid-70F46A0B5A206A1A
drwxr-xr-x--- 3 macuser macuser _0:::0x0 by-uuid-94c8364e-f482-4144-
acd9-550208d7a977
drwxr-xr-xm-- 2 macuser macuser _3:::0x0 by-uuid-DCDD-DECE
```

- ext2/ext3/ext4/xfs :
  - , (. ext4 );
  - , (. ext4 );
- vfat :
  - c , ;
  - , ;
- ntfs :
  - c , ;
  - ;
- iso9660/udf:
  - ;
  - root;
  - , ;

## ext4

ext4 :

- - - ( , );
- , ;

:

- ccnr, , /run:

```
sudo mkdir /run/media
```

- () ., /dev/sda1:

```
sudo mount /dev/sda1 /run/media
```

- , ., 3:

```
sudo pdpl-file 3 /run/media
```

- , (. );
- , :

```
sudo chown -R <_>:<_> /run/media
```

- :

```
sudo umount /run/media
```

```
, , (USERNAME(,) DEVICE() LEVELS):
```



```
#!/bin/bash
USERNAME="macuser"
DEVICE="/dev/sdc1"
LEVELS=(0 1 2 3)

dir=`mktemp -d -p /run`
mkfs.ext4 $DEVICE
mount $DEVICE "$dir"
pdp1-file ${LEVELS[-1]}:0:-1:ccnr "$dir"
for level in ${LEVELS[@]} ; do
 mkdir "$dir/$level"
 pdp1-file "$level":0:0:0 "$dir/$level"
done
chown -R ${USERNAME}:${USERNAME} "$dir"
ls -la "$dir"
pdp1-ls -M "$dir"
umount "$dir"
rmdir "$dir"
```

```
: astra-safepolicy (. astra-safepolicy) astra-mount-lock.
```

```
sudo astra-mount-lock enable
```

```
:
```

```
sudo astra-mount-lock disable
```