

udev

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- udev
- USB-
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- Astra Linux Special Edition .10015-01 (1.7), .10015-10
- Astra Linux Special Edition .10015-17
- Astra Linux Special Edition .10015-37 (7.7)
- Astra Linux Special Edition .10015-03 (7.6)
- Astra Linux Special Edition .10152-02 (4.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Special Edition .10015-16 . 2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition 2.12

, . , :

- (sdX);
- (sdX);
- ;
- , .



"" (" ", " ") , SSD, USB-flash. (, , CD, DVD, SD-) .

:

```
sudo udevadm info --query=property --name=/dev/<_>
```

, , :

```
udevadm monitor
```

1. :

a. "":

```
ACTION=="add"
```

b. - CD/DVD- SD- "":

```
ACTION=="change"
```

2. :

```
ENV{SUBSYSTEM}=="block"
```

3. "" (disk) "" (partition):

```
ENV{DEVTYPE}=="disk"  
ENV{DEVTYPE}=="partition"
```

Parsec, , .

4. , :

 CD/DVD- SD- "ID_FS_LABEL" "ID_FS_LABEL_ENC".

- a. "" (" ", ""):
- i. ENV{ID_VENDOR}=="SanDisk"
 - ii. ENV{ID_VENDOR_ID}=="0781"
 - iii. ENV{ID_VENDOR_ENC}=="SanDisk\x20"
 - iv. ENV{ID_MODEL}=="Cruzer_Glide"
 - v. ENV{ID_MODEL_ID}=="5575"
 - vi. ENV{ID_MODEL_ENC}=="Cruzer\x20Glide\x20\x20\x20\x20"
 - vii. ENV{ID_SERIAL}=="SanDisk_Cruzer_Glide_XXXXXXXXXXXXXXXXXX-0:0"
 - viii. ENV{ID_SERIAL_SHORT}=="XXXXXXXXXXXXXXXXXX"
- b. , " ":
- i. "ENV{ID_FS_LABEL}=="FLASH128G2"
 - ii. "ENV{ID_FS_LABEL_ENC}=="FLASH128G2"
 - iii. "ENV{ID_PART_ENTRY_NUMBER}=1"
 - iv. "ENV{ID_FS_TYPE}=="vfat"
 - v. "ENV{ID_FS_USAGE}=="filesystem"
 - vi. "ENV{ID_FS_UUID}=="0047-C44D"
 - vii. "ENV{ID_FS_UUID_ENC}=="0047-C44D"
 - viii. "ENV{ID_FS_VERSION}=="FAT32"
 - ix. "ENV{ID_PART_ENTRY_NUMBER}=1"

1. (ID_SERIAL ID_SERIAL_SHORT). ID_FS_LABEL ID_FS_LABEL_ENC;
2. "" - "" - " " (, ID_VENDOR, ID_MODEL, ID_SERIAL ID_VENDOR_ID, ID_MODEL_ID, ID_SERIAL ..);
3. , :

 , , , " - ".

- a. (ID_FS_LABEL);
- b. UUID (ID_FS_UUID);
- c. (ID_PART_ENTRY_NUMBER).

 , (ID_FS_TYPE ID_FS_VERSION) (: , etc/fstab.pdac /dev/sd* ext4).

DEVPATH :

```
ENV{DEVPATH}!=" /devices/platform/scb/fd500000.pcie/pci0000:00/0000:00:00.0/0000:01:00.0/usb1/*", GOTO="END"
```

. - '*' , .

 , , .
 , , .

udev

 Parsec /etc/udev/rules.d/.
Parsec /run/udev/rules.d/.

UUID:

```
# - ,
ENV{ID_SERIAL}!="SanDisk_Cruzer_Glide_-0:0", GOTO="END"
ENV{ID_FS_UUID}!="0047-C44D", GOTO="END"

#
ACTION!="add", GOTO="END"
ENV{SUBSYSTEM}!="block", GOTO="END"
ENV{DEVTYPE}!="partition", GOTO="END"

# Parsec
OWNER="luser", GROUP="root", MODE="740", PDPL="0:0:0x0:0x0!:", AUDIT="o:0x0:0x0"
ENV{ID_FS_TYPE}=="?* ", SYMLINK+=" %k_ $env{ID_FS_TYPE}", RUN+="/bin/ln -f /dev/%k /dev/%k_ $env{ID_FS_TYPE}"

LABEL="END"
```

USB-

USB-

USB- udev, , /etc/udev/rules.d/99-local.rules:

```
ACTION!="add", GOTO="DONE"
ENV{ID_BUS}!="usb", GOTO="DONE"
RUN="/bin/sh -c 'echo 1 >/sys$devpath/remove'", RUN="/usr/bin/logger -s 'Astra mount: remove device %E
{DEVNAME} %E{ID_VENDOR} %E{ID_SERIAL} '"
LABEL="DONE"
```

USB- () .

USB-

USB- udev, , /etc/udev/rules.d/99-local.rules:

```
ACTION!="add", GOTO="DONE"
ENV{ID_BUS}!="usb", GOTO="DONE"
RUN="/bin/sh -c 'echo 0 >/sys$devpath/authorized'", RUN="/usr/bin/logger -s 'Astra mount: deauth device %E
{DEVNAME} %E{ID_VENDOR} %E{ID_SERIAL} '"
LABEL="DONE"
```

USB- .

USB-

1. , :
 - a. /usr/sbin/astra-mount :

```
#!/bin/bash

l="/usr/bin/logger -s -t \"Astra-mount:\"\"
path="/sys$1"

while true ; do
    if [[ "$path" == "/sys/devices" ]] ; then
        $l "Remove option not found"
        exit 1
    fi
    if [ -f "$path/remove" ] ; then
        $l "Removing $path/remove"
        echo 1 > "$path/remove" || $l "Can not remove $path/remove"
        break
    fi
    path=`dirname "$path"`
done
```

- :
- i. ;
 - ii. , ;
 - iii. ;

b. :

```
sudo chmod +x,go-w /usr/sbin/astra-mount
```

2. udev- , , /etc/udev/rules.d/99-local.rules:

```
ACTION=="add", ENV{ID_BUS}=="usb", ENV{DEVTYPE}=="disk", RUN+="/usr/sbin/astra-mount $devpath"
```

(ACTION=="add") USB (ENV{ID_BUS}=="usb") disk (ENV{DEVTYPE}=="disk") (/usr/sbin/astra-mount), (\$devpath).