20200722SE16 (6)

fly-astra-update astra-update - .

"Astra Linux Special Edition" .10015-01 (1.6).

, , , (). .

:

- 20200526SE16MD
- 20200327SE16 - 5
- 20191029SE16 - 4
- 20190912SE16 - 3
- 20190712SE16MD
- 20190621SE16MD
- 20190529SE16MD
- 20190222SE16 - 2
- 20181229SE16 - 1

- :
  - ;
  - ;
- ;
- , (.).

Astra Linux -.

, , Astra Linux .

"" Astra Linux Special Edition

" " , .

, , .

astra-update , :

1. :

2. iso- */mnt* , :

```
gostsum -d /mnt/20200722SE16.iso
```

:

```
041b3c056e1f6e77e652dda37ee66594da440a797d0fd1d1c61bb4504adf49ba
```

"-" ().
.

.
.
"Astra Linux Special Edition" .10015-01 (1.6)

3. , , ,
- ( ) :

```
sudo apt-cdrom add
```

4. ISO- -, -.

5. ISO- , , , :

```
sudo mount /mnt/20200722SE16.iso /media/cdrom
sudo apt-cdrom -m add
sudo umount /media/cdrom
```

"20200722SE16".

-m, apt-cdrom , , - .
apt-cdrom .

- - , .

/ , .
, Enter.

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.

- -, /media/cdrom , :

```
sudo mount /mnt/20200722SE16.iso /media/cdrom
```

6. (sudo -s) , sudo:

```
sudo -s
...  ...
exit
```

7. - " " (, -s apt), , :

```
sudo -s
apt update
apt -s dist-upgrade
exit
```

- .

8. :

```
sudo -s
apt update
apt dist-upgrade
apt -f install
exit
```

- .

.

.

fly-admin-int-check gostsums.txt, .

, **ccnri** _ . **ccnri** , , , ( ).

/boot

:

```
lsblk
```

LVM, (- /boot 512, 234), :

1. /boot 512:
2. , /boot 512 :
   a. hardened :

      ```
      sudo apt remove linux-image-4.15.3-1-hardened
      ```

   b. .
   c. , 4.15.3-2-generic
   d. hardened, hardened :

      ```
      sudo apt install linux-image-4.15.3-2-hardened linux-astra-modules-4.15.3-2-hardened
      ```

      hardened

. boot LVM. .

, . , :

```
uname -r
```

, , , :

```
#!/bin/bash

set -e

pkgs=`dpkg -l \
linux-image-4.15.3-1-generic \
linux-image-4.15.3-1-hardened \
linux-image-4.15.3-2-generic \
linux-image-4.15.3-2-hardened \
linux-image-4.15.3-3-generic \
linux-image-4.15.3-3-hardened \
linux-image-5.4.0-54-generic \
linux-image-5.4.0-54-hardened \
2> /dev/null | grep "^ii" | cut -d " " -f3 | \
grep -v ^linux-image-$(uname -r | cut -d '-' -f1-2)`

[ -n "$pkgs" ] && apt remove $pkgs
rm -f /boot/old-*
```

apt remove.

, 20200722SE16 Update 6

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