

20200327SE16 (5)

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



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- .

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- [20191029SE16 - 4](#)
- [20190912SE16 - 3](#)
- [20190712SE16MD](#)
- [20190621SE16MD](#)
- [20190529SE16MD](#)
- [20190222SE16 - 2](#)
- [20181229SE16 - 1](#)



Astra Linux -.



, , Astra Linux .



"" Astra Linux Special Edition



" " , .



, 20200327SE16, .



fly-astra-update astra-update - .

astra-update , :

1. :

iso- /mnt , :

```
gostsum -d /mnt/20200327SE16.iso
```

:

```
2c3328f05407b3cf0269b5b95a45190b5a632fddf4f0b01b8682e340cfeaa74d
```



"-" 0).



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

3. - () : , ,

```
sudo apt-cdrom add
```

4. ISO- -, -.

5. ISO-, , , :

```
sudo mount /mnt/20200327SE16.iso /media/cdrom
sudo apt-cdrom -m add
sudo umount /media/cdrom
```

"20200327SE16".

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



- , , .



/, .
, Enter.

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

- -, /media/cdrom , :

```
sudo mount /mnt/20200327SE16.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
```

- .



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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.

KMS



, NVidia , KMS (, hyper-v).

, .
:

```
lsmod | grep -E "nouveau|i915|amdgpu"
```

1. KMS (, nouveau, i915, amdgpu), ;
2. fly-dm, fly-qdm /etc/X11/fly-dm/fly-dmrc



#ServerUID=



ServerUID=root



/etc/X11/fly-dm/fly-dmrc :

```
sudo genfly-dmconf
```

3. , .

HTTP raw-.

[HTTP raw-](#)

, [20200327SE16 Update 5](#)

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