

# Astra Linux .10265-01 ( 8.1)

8.1.4 , "Astra Linux Special Edition" .10265-01 ( 8.1), - Astra Linux.

- :
- 20220318SE81MD
  - 20220201SE81MD
  - 20230315SE81 ( 8.1.3)
  - 20200429SE81 ( 8.1.2)
  - 20191225SE81 ( 8.1.1)

- :
- , 20230315SE81 ( 8.1.4)
  - , 20230315SE81 ( 8.1.4)

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Astra Linux (, « ») , Astra Linux.

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  - 0 .

"-1+", 8.1.4, Linux 4..  
8.1.4 Linux 5.4.  
" "(. fly-astra-update astra-update - ).

8.1.4 Astra Linux, "-23", - video2c3 (. "-23").

fly-admin-int-check gostsums.txt, 20  
230315SE81.iso.

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  - 
  - 
  - fly-astra-update/astra-update
  - fly-astra-update/astra-update
  - 
  - "-23"
  - 
  - ISO-
- 
- - - Firefox ESR

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( :reposito  
ry-update-dev.iso).

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- ;
  - : fly-astra-update astra-update - .

!

1. `curl -s https://dl.astralinux.ru/astra/stable/leningrad/security-updates/20230315SE81/20230315SE81.iso`

```
wget https://dl.astralinux.ru/astra/stable/leningrad/security-updates/20230315SE81/20230315SE81.iso
```

2. `gostsum -d 20230315SE81.iso`

```
gostsum -d 20230315SE81.iso
```

```
0f000a9d2f0818cc495c9a5cfe19de75a50707d02996fa2e714c27b35fe8ee93
```

- CSP. `CSP` `CSP` `fly-csp`.

- a. `curl -s https://dl.astralinux.ru/astra/stable/leningrad/security-updates/20230315SE81/20230315SE81.iso.sig`

```
wget https://dl.astralinux.ru/astra/stable/leningrad/security-updates/20230315SE81/20230315SE81.iso.sig
```

- b. `;`
- c. `(-f<__>):`

```
/opt/cprocsp/bin/e2k64/cryptcp -verify -detached 20230315SE81.iso 20230315SE81.iso.sig -f 20230315SE81.iso.sig
```

, "y" <Enter>.

```
[ErrorCode: 0x00000000]
```



1. `curl -s https://dl.astralinux.ru/astra/stable/leningrad/security-updates/devel/20230315SE81/repository-update-dev.iso`

```
wget https://dl.astralinux.ru/astra/stable/leningrad/security-updates/devel/20230315SE81/repository-update-dev.iso
```

2. `gostsum -d repository-update-dev.iso`

```
gostsum -d repository-update-dev.iso
```

:

```
c2ed7d9a04cde813b32795bd880dd282e02af089193bfb78b60477a11364bfee
```

- CSP.  
: CSP CSP fly-csp.  
:  
a. " " - :  
https://dl.astralinux.ru/astra/stable/leningrad/security-updates/devel/20230315SE81/repository-update-dev.iso.sig  
:

```
wget https://dl.astralinux.ru/astra/stable/leningrad/security-updates/devel/20230315SE81/repository-update-dev.iso.sig
```

- b. ;
- c. , (-f<\_\_>):

```
/opt/cproccsp/bin/e2k64/crypttcp -verify -detached repository-update-dev.iso repository-update-dev.iso.sig -f repository-update-dev.iso.sig
```

, "y" <Enter>.

:

```
[ErrorCode: 0x00000000]
```

, .

## fly-astra-update/astra-update

(. ) /etc/apt/sources.list, :

- fly-astra-update ( astra-update):

```
sudo apt update  
sudo apt install fly-astra-update
```

- astra-update:

```
sudo apt update  
sudo apt install astra-update
```

## fly-astra-update/astra-update

1. , , /media/cdrom:

```
sudo mount 20230315SE81.iso /media/cdrom
```

2. :  
astra-update:

```
sudo apt install /media/cdrom/pool/non-free/a/astra-update/astra-update_*.deb
```

astra-update fly-astra-update:

```
sudo apt install /media/cdrom/pool/non-free/a/astra-update/astra-update_*.deb
sudo apt install /media/cdrom/pool/non-free/libf/libflyadmin/libflyadminpackage_*.deb
sudo apt install /media/cdrom/pool/non-free/f/fly-astra-update/fly-astra-update_*.deb
```

3. :

```
sudo umount /media/cdrom
```

## "-23"

8.1.4 Astra Linux, "-23", /etc/apt/sources.list - video2c3:

```
deb <__> leningrad main contrib non-free video2c3
```

:

```
#
deb file:/srv/repo/alse/update-bin leningrad main contrib non-free video2c3
#
deb file:/srv/repo/alse/update-devel leningrad main contrib non-free video2c3
```

, FTP:

```
#
deb ftp://192.168.56.1/alse/update-bin leningrad main contrib non-free video2c3
#
deb ftp://192.168.56.1/alse/update-devel leningrad main contrib non-free video2c3
```

(. ) ISO-:

1. :
  - ;
  - ;
2. :
  - ;
  - ;

/etc/apt/sources.list, :

```
sudo astra-update -a -r
```

/etc/apt/sources.list , astra-update/fly-astra-update ( fly-astra-update astra-update - ).

## ISO-

, ISO- :

1. :
  - ;
  - ;
2. :
  - ;
  - ;

ISO- , . astra-update/fly-astra-update, :

```
sudo astra-update -A /mnt/<____> /mnt/20230315SE81.iso /mnt/<____> /mnt
/repository-update-dev.iso
```

, /mnt , /mnt.  
fly-astra-update astra-update.



## - Firefox ESR



8.1.4 Astra Linux ca-certificates-local, .



ca-certificates-local .

1. , , : — **Firefox ESR**.
2. "about:preferences" <Enter>.
3. [ ].
4. [...].
5. /etc/ssl/certs/rootca\_MinDDC\_rsa2022.pem [ ].
6. - [ ].
7. [ ].

, [ ] :

The Ministry of Digital Development and Communications  
Russian Trusted Root CA