

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 \(8.1.1\)](#)

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- , [20230315SE81 \(8.1.4\)](#)
- , [20230315SE81 \(8.1.4\)](#)

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 Astra Linux (, « ») , Astra Linux.

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 -
 - [fly-astra-update/astra-update](#)
 - [fly-astra-update/astra-update](#)
 -
 - "-23"
 -
 - ISO-
-
- - [- Firefox ESR](#)

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- 0 ();
- 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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 , , (: [reposito](#)
[ry-update-dev.iso](#)).

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- ;
- : [fly-astra-update](#) [astra-update](#) - .

 !



1. `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. `34.11-2012`

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

```
0f000a9d2f0818cc495c9a5cfe19de75a50707d02996fa2e714c27b35fe8ee93
```

- CSP.
CSP CSP fly-csp.
a. "-" - :
`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. `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. `34.11-2012`

```
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