

# Astra Linux



( Debian) , .

• • • • • Astra Linux Special Edition

- - dl.astralinux.ru
- 
- 
- , - , , :
- 
- 
- ISO-
- 
- 
- Debian
  - debian-archive-keyring
    - Astra Linux Special Edition .10015-01 ( 1.7) Astra Linux Common Edition
    - Astra Linux Special Edition .10015-01 ( 1.6)
    - Astra Linux Common Edition 2.12
  - debian-archive-keyring


$$\vdots$$

- Astra Linux Special Edition .10015-01 ( 1.7)
- Astra Linux Special Edition .10152-02 ( 4.7)
- Astra Linux Special Edition .10015-01 ( 1.6)
- Astra Linux Special Edition .10015-16 .1 .2
- Astra Linux Special Edition .10265-01 ( 8.1)
- Astra Linux Common Edition 2.12



Astra Linux CE/Astra Linux SE Debian :

Astra Linux CE/Astra Linux SE :  
Astra Linux Special Edition.



- Astra Linux - ;
- Astra Linux Special Edition - ;

- sudo ;
- , , :

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

```
sudo apt install < >...
```

synaptic.

- [dl.astralinux.ru](http://dl.astralinux.ru)

- web- [dl.astralinux.ru](http://dl.astralinux.ru) :

- - Astra Linux Special Edition x.7
- - Astra Linux Special Edition .10015-01 ( 1.6)
- - Astra Linux Common Edition 2.12

- `_1.1.1-100 _1.1.2-1 ( ) _1.1.2, ;`
- `_1.1.1-1 _1.1.1-100 ( (1.1.1), - 1 100) .`

`/etc/apt/preferences.d/ /etc/apt/preferences. . .`



`, preferences, , . , , .`

- `, ;`
- `, ;`
- `, ;`

`:`

`apt-cache policy <_>`

Astra Linux :

1. Astra Linux Special Edition x.7 - `/etc/apt/preferences.d/smolensk - 900;`
2. Astra Linux Special Edition x.7    Astra Linux Common Edition ( [Astra Linux Special Edition x.7:](#) , ) - `/etc/apt/preferences - astra-ce 1001;`
3. Astra Linux Special Edition 1.6    [20211126SE16 \( 1.6.10\)](#)    - `/etc/apt/preferences.d/smolensk - 900;`
4. Astra Linux Common Edition - `/etc/apt/preferences.d/orel - 900;`

`, - , , :`

`deb <__> <_> <_>`

`/etc/apt/sources.list .list, /etc/apt/sources.list.d.`

`:`

`sudo apt update`



`, . ( . ).`

`:`

1.    :

`sudo apt-cdrom add`  
`sudo apt update`

`. ( ) .`

Astra Linux , . , .

, , :

```
sudo mount <_> <_>
```

, /dev/cdrom /mnt:

```
sudo mount /dev/cdrom /mnt
```

"file:/" "file:". , :

**/etc/apt/sources.list**

```
deb file:///<> ...  
deb file:/<> ...
```

/mnt :

```
deb file:///mnt <_> <_>
```

## ISO-



, .. .

(, /dev/cdrom) ISO- :

```
sudo dd if=/dev/cdrom of=<____> bs=1M
```

## ISO-

ISO- , , :

```
sudo mount <____> <_>
```

ISO- /etc/fstab :



<\_\_\_\_> /opt/repo iso9660 defaults,nofail 0 0

nofail , ISO-.

## ISO-



ISO- 7zip ( 7z). , , .

, ISO- (ISO-) .:

1. :

```
sudo mount <____> <_>
```

2. :

```
sudo cp -r <_>/* <_>
```

/mnt :

```
deb file:/// < > <_> <_>
```

, :

- http:// — HTTP ( - Astra Linux);
- https:// — HTTPS ( - Astra Linux);
- ftp:// — FTP ( - Astra Linux);

, HTTPS:

```
deb https://dl.astralinux.ru/astra/stable/1.7_x86-64/repository-main/ 1.7_x86-64 main contrib non-free
```

, HTTPS, apt-transport-https ca-certificates. :

```
apt policy apt-transport-https ca-certificates
```

:

a. - /etc/apt/source.list http. http:

```
deb http://dl.astralinux.ru/astra/stable/1.7_x86-64/repository-main/ 1.7_x86-64 main contrib non-free
```

b. :

```
sudo apt update
```

c. apt-transport-https ca-certificates :

```
sudo apt install apt-transport-https ca-certificates
```

d. - /etc/apt/source.list https;

e. :

```
sudo apt update
```

, /etc/apt/sources.list.d/. c ".list".

:

```
sudo apt update
```

## debian-archive-keyring

### Astra Linux Special Edition .10015-01 ( 1.7) Astra Linux Common Edition

1. Astra Linux Special Edition .10015-10 ( 1.7) , main [2023-0426SE17 \( 1.7.4\)](#) - backports. Astra Linux Common Edition -.
2. :

```
sudo apt update
```

3. debian-archive-keyring:

```
sudo apt install debian-archive-keyring
```

4. ,, /etc/apt/sources.list.d/repos.list:

- a. Astra Linux Special Edition .10015-01 ( 1.7):

```
deb https://deb.debian.org/debian/ buster main contrib non-free
deb https://security.debian.org/debian-security/ buster/updates main contrib non-free
```

- b. Astra Linux Common Edition:

```
deb https://archive.debian.org/debian/ stretch main contrib non-free
```

5. Astra Linux Common Edition Astra Linux Common Edition,  
/etc/apt/preferences.d/orel ( );
6. :

```
sudo apt update
```

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

1. debian-archive-keyring Astra Linux Common Edition:
  - a. Astra Linux Common Edition - :

```
sudo apt update
sudo apt install debian-arhive-keyring
```

- b. Astra Linux Common Edition :

```
wget https://dl.astralinux.ru/astra/stable/2.12_x86-64/repository
/pool/main/d/debian-keyring/debian-keyring_2017.05.28_all.deb
sudo apt install ./debian-archive-keyring*_all.deb
```

, , .

### Astra Linux Common Edition 2.12

1. dirmngr debian-archive-keyring, Debian:

```
sudo apt install debian-archive-keyring dirmngr
```

2. /etc/apt/sources.list Debian:

```
/etc/apt/sources.list
```

```
deb https://archive.debian.org/debian/ stretch main contrib non-free
```

3. :

```
sudo apt update
```

```
debian-archive-keyring , .  
debian-archive-keyring , , , , .  
, :
```



....

....

W: GPG: http://archive.debian.org/debian stretch Release: , : NO\_PUBKEY **8B48AD6246925553** NO\_PUBKEY **7638D0442B90D010** NO\_PUBKEY **EF0F382A1A7B6500**

E: «http://archive.debian.org/debian stretch Release» .

N: , .

N: apt-secure(8) .

Stretch , .

## debian-archive-keyring

1. :

a. dirmngr ( ):

```
sudo apt install dirmngr
```

2. :

a. 1. apt-key :

```
sudo apt-key adv --recv-keys --keyserver keyserver.ubuntu.com  
EF0F382A1A7B6500
```

b. 2. WEB- ([keyserver.ubuntu.com](https://keyserver.ubuntu.com)), 0xE1F958385BFE2B6E (.. 0x ), WEB-, . :

```
sudo apt-key add <____>
```

3. :

```
sudo apt update
```

Stretch 2025-, debian-archive-keyring .

```
apt-key list
```



, , , , . trusted=yes:



deb [trusted=yes] https://download.astralinux.ru/astra/stable/2.12\_x86-64/repository stable contrib main non-free


deb ( [Debian](#)). (orel, smolensk ..), - . . - .

:

1. , :

```
sudo apt install dpkg-dev apt-utils
```

2. , , , /opt/repo:

```
 sudo mkdir /opt/repo  
cd /opt/repo
```

3. , , create-flat-repo:

```
 #!/bin/bash  
  
CODENAME="${1:-$(sed -n "s/^DISTRIB_CODENAME=//p" /etc/lsb-release`)}"  
if [ -z "$CODENAME" ]; then  
    echo " , "  
    exit 1  
else  
    echo " \"$CODENAME\""  
fi  
  
V=1.0  
  
ARCH=$(dpkg-architecture -q DEB_BUILD_ARCH)  
mkdir -p dists/$CODENAME/main/binary-$ARCH  
dpkg-scanpackages -a $ARCH . > dists/$CODENAME/main/binary-$ARCH/Packages  
echo -e "Origin: Debian\nSuite: unstable\nCodename: $CODENAME\nVersion: $V\nArchitectures: $ARCH\nComponents: main" >  
dists/$CODENAME/Release  
apt-ftparchive release . >> dists/$CODENAME/Release  
dpath=$(readlink -f .)  
echo deb [trusted=yes arch=$ARCH] file:$dpath $CODENAME main > $CODENAME.list  
#echo deb [trusted=yes arch=$ARCH] file:$dpath $CODENAME main > /etc/apt/sources.list.d/$CODENAME.list
```

4. :

```
sudo chmod +x create-flat-repo
```

5. () .deb, ;

6. :

```
 sudo ./create-flat-repo
```

7. .list /etc/apt/sources.list.d/ :

```
sudo cp *.list /etc/apt/sources.list.d/  
  
sudo apt update
```

:

```
sudo apt install <_>
```

(, ):

1. , :

```
sudo rm -rf /var/lib/apt/lists/*
```

2. :

```
sudo apt update
```

.