

2022-1121SE47 (4.7.3)

 4.7.3 , "Astra Linux Special Edition" .10152-02 (4.7), - Astra Linux.

 :

- () (- main);
- (base);
- (extended);
- .

 :

- [2022-0926SE47 \(4.7.2\)](#)
- [2022-0407SE47MD](#)
- [2022-0318SE47MD](#)
- [2022-0201SE47MD](#)
- [2022-0114SE47 \(4.7.1\)](#)
- [2021-0915SE47MD](#)

 :

- , [2022-1121SE47 \(4.7.3\)](#)
- , [2022-1121SE47 \(4.7.3\)](#)
- , [2022-1121SE47 \(4.7.3\)](#)

 Linux, 4.7.3, TF307-MB-S-C rev3.0 sdk-5.4.
 , [Astra Linux](#) .

 : 4.7.3.5
.: [Astra Linux](#)

 , , .

-
- -
 - [\(main\)](#)
 -
 -
 - [\(main\)](#) - Astra Linux
 - [\(base\)](#) - Astra Linux
 - tar- [\(base\)](#)
-
- - - [Firefox](#)
 - [Chromium](#)
 - « »
 -

 , , [\(base\)](#).

 [\(base\)](#) [\(main\)](#), .

 ().

 !
(,) (-main) fly-admin-int-check gostsums.txt, repository-update.iso.



! Astra Linux (, « »), Astra Linux.



:
• :
• : `fly-astra-update astra-update -`



, . :

```
df -h /boot
```

```
75. /boot, /boot ( 512).
```

. boot LVM. .



- Astra Linux, :

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

(main)

1. - :
https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/iso/repository-update.iso
:

```
wget https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/iso/repository-  
update.iso
```

2. ISO- , /mnt . :
• , 34.11-2012 . :

```
gostsum -d /mnt/repository-update.iso
```

:

```
4b807e6e40d8d6e6b16fe7584be08ea631df7df68836e49d443cd97c3f2cfc84
```

- ISO- CSP., . CSP [CSP](#) [fly-csp](#).

- a. " " - :
https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/iso/repository-update.iso.sig

```
wget https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/iso/
repository-update.iso.sig
```

- b. /mnt ,
- c. /mnt , (-f<__>):

```
/opt/cproesp/bin/amd64/cryptcp -verify -detached repository-
update.iso repository-update.iso.sig -f repository-update.iso.
sig
```

, "y" <Enter>.

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

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

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

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

```
sudo astra-update -a /mnt/<__> /mnt/repository-update.iso
```

, /mnt , /mnt.
• [fly-astra-update](#) [astra-update](#).

(main) - Astra Linux



Astra Linux Special Edition .10152-02 (4.7) - . :

- baikal1;
- huawei1;
- mtrust1;
- mesa22.

1. - Astra Linux, /etc/apt/sources.list :

```
# , - baikal1:
deb https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/repository-main/ 4.7_arm main contrib non-
free baikal1

# , - baikal1:
deb https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/repository-update/ 4.7_arm main contrib non-
free baikal1
```

2. :

```
sudo apt update
```

3. , :

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

(base)

- Astra Linux



Astra Linux Special Edition .10152-02 (4.7) - . :

- baikal1;
- huawei1;
- mtrust1;
- mesa22.

1. - Astra Linux, /etc/apt/sources.list :

```
#
deb https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/repository-base/ 4.7_arm main contrib non-free
# - -
deb https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/repository-base/ 4.7_arm <__>
```

2. :

```
sudo apt update
```

3. , :

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

tar- (base)



tar- .

1. tar- , .

2. tar- , /mnt . :

- , 34.11-2012 . :

```
gostsum /mnt/base-4.7.3-10.11.2022_11.43.tgz
```

:

```
808ea885899175ae6f2c42502885da65098e800c6c0d50442764cd1b55dad3e3
```

- tar- CSP., . CSP [CSP](#) [fly-csp](#).

- a. `"",`
- b. `/mnt`,
- c. `/mnt` , (`-f <_>`):

```
/opt/cprobsp/bin/amd64/cryptcp -verify -detached base-4.7.3-10.11.2022_11.43.tgz base-4.7.3-10.11.2022_11.43.tgz.sig -f base-4.7.3-10.11.2022_11.43.tgz.sig
```

, "y" **<Enter>**.

:

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

3. `tar-`
4. `tar-`, `/srv/base-repository`:

```
sudo mkdir /srv/base-repository
```

```
sudo tar zxvf base-4.7.3-10.11.2022_11.43.tgz -C /srv/base-repository/
```



5. `/srv/base-repository/` (. [Astra Linux](#)). , , :

```
#
deb file:/srv/base-repository/ 4.7_arm main contrib non-free
# - -
deb file:/srv/base-repository/ 4.7_arm <_>
```

6. :

```
sudo apt update
```

7. , :

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



Astra Linux, TF307-MB-S-C rev3.0, sdk-5.4, , .



.



.



ca-certificates-local .

Firefox

1. ,, : — — - **Firefox**.
 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

Chromium

1. ,, : — — - **Chromium**.
 2. "chrome://settings/certificates" <Enter>.
 3. [].
 4. /etc/ssl/certs/rootca_MinDDC_rsa2022.pem [].
 5. [].
- :

org-The Ministry of Digital Development and Communications
Russian Trusted Root CA

<< >>



4.7.1 Astra Linux <> (fly-notifications), .

<> :

```
sudo apt install fly-notifications
```

qtnotifydaemon .



Astra Linux, 4.7.3, TF307-MB-S-C rev3.0 sdk-5.4. 4.7.3 TF307-MB-S-C sdk-5.4 . .

, :

1. bm1000-mbm10.dtb /boot, :

```
sudo cp -f /usr/lib/firmware/5.4.0-110-generic/device-tree/baikal  
/bm1000-mbm10.dtb /boot
```

2. /boot/grub/grub.cfg — menuentry, , :

```
devicetree /boot/bm1000-mbm10.dtb
```