

2023-0131SE47MD (4.7.3.UU.1)

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

 :

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

 :

- , 2023-0131SE47MD (4.7.3.UU.1)
- [Astra Linux Special Edition x.7](#) :

 Astra Linux: **4.7.3.8**

.: [Astra Linux](#)

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

 , , .

 Linux, 4.7.3.UU.1, TF307-MB-S-C rev3.0 sdk-5.4.

. , [Astra Linux](#) .

```
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  ○
  ○
    ■
    ■
    ■
    ■
  ○ - Astra Linux
  ○ (base)
    ■ - Astra Linux
    ■ tar- (base)
•
•
  ○
```

 .

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

() Astra Linux (, « ») , Astra Linux.

 :

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



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

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

2. ISO- , /mnt . :
 - , 34.11-2012 . :

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

:

```
d5cf7d3d6de4ffd0698031d681623bed5628375052a03881c04ca671ad77485e
```

- ISO- CSP, . CSP [CSP](#) [fly-csp](#).
:
 - a. "-" - :
https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/uu/1/iso/repository-update.iso.sig
:

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

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

```
/opt/cproccsp/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](#).

- Astra Linux

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

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

1. - Astra Linux, /etc/apt/sources.list (- baikal1):

```
# , - baikal1:
deb https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/uu/1/repository-main/ 4.7_arm main contrib
non-free baikal1

# , - baikal1:
deb https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/uu/1/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/uu/1/repository-base/ 4.7_arm main
contrib non-free
# - -
deb https://dl.astralinux.ru/astra/frozen/4.7_arm/4.7.3/uu/1/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-uu1-27.01.2023_15.11.tgz
```

:

```
d4d77baff96ef095a5dcab0d6abca60c41501501c74289a9eb7ed2831378e64f
```

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

:

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

```
/opt/cproccsp/bin/amd64/cryptcp -verify -detached base-4.7.3-uu1-27.01.2023_15.11.tgz base-4.7.3-uu1-27.01.2023_15.11.tgz.sig -f base-4.7.3-uu1-27.01.2023_15.11.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-uu1-27.01.2023_15.11.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, , .



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Astra Linux, 4.7.3.UU.1, 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
```