

2022-0819SE17 (1.7.2)

1.7.2 , «Astra Linux Special Edition» .10015-01 .10015-10 (1.7), - Astra Linux.

- `() ( - main);`
- `(base);`
- `(extended);`
-

- 2022-0407SE17MD
- 2022-0318SE17MD
- 2022-0201SE17MD
- 2021-1126SE17 (1.7.1)
- 2021-0915SE17MD

- , 2022-0819SE17 (1.7.2)
- 2022-0819SE17 (1.7.2):

- , 2022-0819SE17 (1.7.2)

- , 2022-0819SE17 (1.7.2)

 Astra Linux: **1.7.2.5**

 [Astra Linux](#)

△ 〃 〃 〃

Linux 5.15, ksmbd.ko, Linux -. ksmbd.ko
Linux.

```

graph TD
    kerneld((kerneld))
    kerneld.o((kerneld.o))
    main((main))
    AstraLinux[Astra Linux]
    AstraLinuxTar[Astra Linux tar-]
    ksmbd.koLinux[ksmbd.ko Linux]
    Firefox[Firefox]
    Chromium[Chromium]
    leftAngle[«]
    rightAngle[»]

    kerneld --- kerneld.o
    kerneld.o --- main
    main --- AstraLinux
    AstraLinux --- AstraLinuxTar
    AstraLinuxTar --- ksmbd.koLinux
    ksmbd.koLinux --- Firefox
    ksmbd.koLinux --- Chromium
    ksmbd.koLinux --- leftAngle
    ksmbd.koLinux --- rightAngle
  
```

⚠ , , (base).

✔ (base) (main), . .

 ().

```

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

```



() Astra Linux (« »), Astra Linux.



:

- ;
- 2022-0819SE17 (1.7.2): ;
- : fly-astra-update astra-update - .



.

, . :

```
df -h /boot
```

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

. boot LVM. .

(main)

1. - :
https://dl.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/iso/repository-update.iso
:

```
wget https://dl.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/iso/  
repository-update.iso
```

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

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

:

```
270fd0c3895687e97fa5e7bebe2d866cffdc19e8befb911c3956dc6b58979716
```

- ISO- CSP, . CSP CSP fly-csp.
:
 - a. "-" - :
https://dl.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/iso/repository-update.iso.sig
:

```
wget https://dl.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/  
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
```

`/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

1. - Astra Linux, :

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

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



, - Astra Linux HTTP.

- b. `/etc/apt/sources.list` () :

- HTTPS

```
deb https://download.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/repository-main/ 1.7  
_x86-64 main contrib non-free  
deb https://download.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/repository-update/ 1.7  
_x86-64 main contrib non-free
```

- HTTP

```
deb http://download.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/repository-main/ 1.7_x86-  
64 main contrib non-free  
deb http://download.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/repository-update/ 1.7  
_x86-64 main contrib non-free
```

2. :

```
sudo apt update
```

3. , :

```
sudo astra-update -A -r
```

(base)

- Astra Linux

1. - Astra Linux, :

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

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



, - Astra Linux HTTP.

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

- HTTPS

```
deb https://download.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/repository-base/ 1.7_x86-64 main contrib non-free
```

- HTTP

```
deb http://download.astralinux.ru/astra/frozen/1.7_x86-64/1.7.2/repository-base/ 1.7_x86-64 main contrib non-free
```

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-1.7.2-11.08.2022_15.28.tgz
```

:

```
3e2695de55b85d5d75c31f4df2fa479068bc6e09264990fcec4e6ec7944225a1
```

- tar- CSP., . CSP CSP fly-csp.
:
a. "-", ,
b. /mnt ,
c. /mnt , (-f<__>):

```
/opt/cproccsp/bin/amd64/cryptcp -verify -detached base-1.7.2-11.08.2022_15.28.tgz base-1.7.2-11.08.2022_15.28.tgz.sig -f base-1.7.2-11.08.2022_15.28.tgz.sig
```

, "y" <Enter>.

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

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

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

```
sudo tar zxvf base-1.7.2-11.08.2022_15.28.tgz -C /srv/base-repository/
```



13.

5. /srv/base-repository/ (. Astra Linux). , , :

```
deb file:/srv/base-repository/ 1.7_x86-64 main contrib non-free
```



```
deb cdrom:[<__>]/ 1.7_x86-64 contrib main non-free
```

("#").

6. :

```
sudo apt update
```

7. , :

```
sudo astra-update -A -r -T
```



ksmbd.ko Linux

Linux 5.15, ksmbd.ko, Linux.

1. /etc/modprobe.d/blacklist.local.conf (-).
2. , install, shell-:

```
install ksmbd /bin/true
```

3. :

```
sudo update-initramfs -uk all
```



ca-certificates-local .

Firefox

1. ,, : — — - **Firefox**.
2. "about:preferences" <Enter>.
3. [].
4. [...].
5. /etc/ssl/certs/rootca_MinDDC_rsa2022.pem [].
6. - [].
7. [].

, [] :

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Chromium

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

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1.7.1 Astra Linux « » (fly-notifications), .

« » :

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

```
qtnotifydaemon .
```