2021-0915SE17MD

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

. .

« » .

.

- ,
- , avahi
- , firefox
  - , CVE-2021-23958
  - , CVE-2021-23954 CVE-2021-23960
  - , CVE-2021-23994
  - , CVE-2021-23995
  - , CVE-2021-23997
  - , CVE-2021-29952
  - , CVE-2021-29970
  - , CVE-2021-30547
- , firefox thunderbird
- , glibc
- , imagemagick
- , iptables
- , linuxptp
- , ntp
- , php
- , python
- , rpm
- , rsyslog
- , sane-backends
- , screen
- , squid
- , tar
-

,

apache2	CVE-2021-26691
binutils	CVE-2017-13716
binutils	CVE-2018-12699
binutils	CVE-2021-3487
chromium	CVE-2021-30547
firefox	CVE-2021-23956
firefox	CVE-2021-23962
firefox	CVE-2021-23965
firefox	CVE-2021-29947
firefox	CVE-2021-23964
firefox	CVE-2021-23998
firefox	CVE-2021-29976
firefox	CVE-2021-23958
firefox	CVE-2021-23997
firefox	CVE-2021-29952

firefox	CVE-2021-23954
firefox	CVE-2021-23960
firefox	CVE-2021-23961
firefox	CVE-2021-23994
firefox	CVE-2021-23995
firefox	CVE-2021-29970
firefox	CVE-2021-30547
imagemagick	CVE-2021-20244
imagemagick	CVE-2021-20245
imagemagick	CVE-2021-20246
imagemagick	CVE-2021-20309
imagemagick	CVE-2021-20311
imagemagick	CVE-2021-20312
libtasn1-6	CVE-2018-1000654
libx11	CVE-2006-4447
xdmx	CVE-2006-4447
xorg-server	CVE-2006-4447
xterm	CVE-2006-4447
xtrans	CVE-2006-4447
libxml2	CVE-2021-3517
snmptt	CVE-2020-24361
squid	CVE-2021-28662
sysstat	CVE-2019-19725
thunderbird	CVE-2021-23964
thunderbird	CVE-2021-23998
thunderbird	CVE-2021-29976
thunderbird	CVE-2021-23954
thunderbird	CVE-2021-23960
thunderbird	CVE-2021-23961
thunderbird	CVE-2021-23994
thunderbird	CVE-2021-23995
thunderbird	CVE-2021-29970
thunderbird	CVE-2021-30547
glibc	CVE-2021-33574
glibc	CVE-2019-1010022
exim4	CVE-2020-28009
exim4	CVE-2020-28010
exim4	CVE-2020-28011
exim4	CVE-2020-28013
exim4	CVE-2020-28017
exim4	CVE-2020-28018

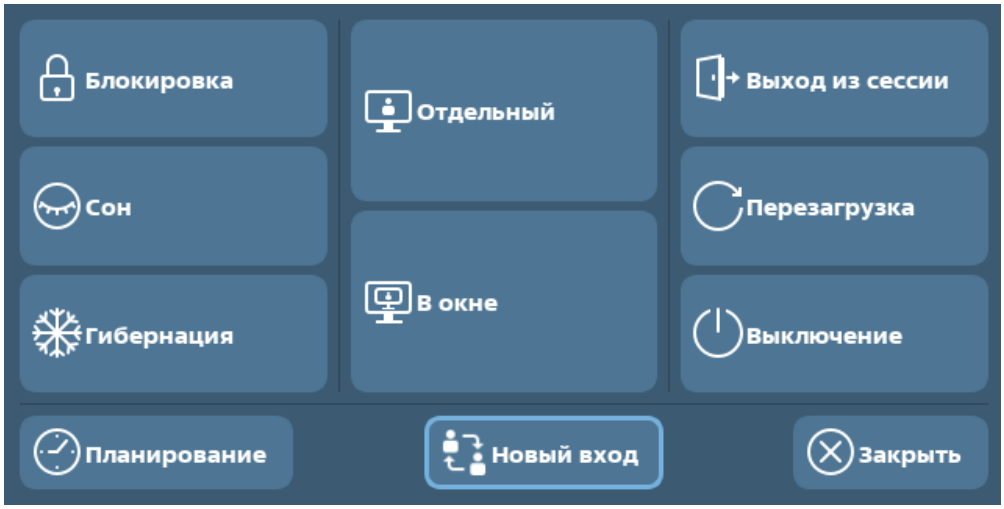
exim4	CVE-2020-28021
exim4	CVE-2020-28022
exim4	CVE-2020-28024
exim4	CVE-2020-28026

, , :

- () **Firejail**;

  Firejail .10015-01 97 01-1 « «Astra Linux Special Edition». . 1».

- . — — . : (. .);



- , . **-2**, - . : parsec-kiosk2 ( );

- , , — bash;

  bash , bash, .

  bash bash .

  « »

  fly-admin-smc. :

  - ( ): — — — ;
  - — :
    - **Bash** ;
    - **Bash ;**
  - — **<Ctrl+S>**.

  (bash) :

  ```
  sudo astra-interpreters-lock enable
  ```

  , :

  ```
  sudo astra-interpreters-lock status
  ```

  , :

  bash :

  ```
  sudo astra-bash-lock enable
  ```

  bash, :

  ```
  sudo astra-bash-lock status
  ```

  , :

- «» «» ( ) :
  - ();
  - ();

« »

fly-admin-smc. :

- ( ): — — — ;
- ;
- ;
- — **<Ctrl+S>**.

⚠ .

:

```
sudo astra-mic-control enable
```

⚠ .

, :

```
sudo astra-mic-control status
```

, :

:

```
sudo astra-digsig-control enable
```

⚠ .

, :

```
sudo astra-digsig-control status
```

, :

- «» «» — ( ) ( ):
  - , ;
  - ;

- «» «» **apache2 exim4** ( ). :

```
sudo astra-ilev1-control enable
```

apache2 exim4, :

```
sudo astra-ilev1-control status
```

apache2 exim4 , :

```
```

, avahi

:

- CVE-2017-6519.

avahi (UDP 5353). :

iptables

, , :

```
sudo iptables -A INPUT -p udp --dport 5353 -j DROP
```

, . — . iptables.

ufw

, :

```
sudo ufw deny 5353/udp
```

, firefox

:

- CVE-2021-23954;
- CVE-2021-23958;
- CVE-2021-23960;
- CVE-2021-23994;
- CVE-2021-23995;
- CVE-2021-23997;
- CVE-2021-29952;
- CVE-2021-29970;
- CVE-2021-30547.

firefox chromium.

, (. ,).

, :

, CVE-2021-23958

WebRTC ( ), :

- , , : — — **- Firefox**;
- "*about:config*" **<Enter>**;
- **[Accept the Risk and Continue]** ( );
- : "*media.peerconnection.enabled*";
- `false`, **[]** (.);

- - Firefox.

, CVE-2021-23954 CVE-2021-23960

JavaScript ( ), :

- , , : — — **- Firefox**;
- "*about:config*" **<Enter>**;
- **[Accept the Risk and Continue]** ( );
- : "*javascript.enabled*";
- `false`, **[]**;
- - Firefox.

, CVE-2021-23994

WebGL ( ), :

- , , : — — **- Firefox**;
- "*about:config*" **<Enter>**;
- **[Accept the Risk and Continue]** ( );
- : "*webgl.disabled*";
- `true`, **[]**;
- - Firefox.

, CVE-2021-23995

( ), :

- , , : **— — - Firefox**;
- "*about:config*" **<Enter>**;
- **[Accept the Risk and Continue]** ( );
- : "*devtools.policy.disabled*";
- `true`, **[]**;
- - Firefox.

, CVE-2021-23997

, :

1. , , : **— — - Firefox**;
2. "*about:config*" **<Enter>**;
3. **[Accept the Risk and Continue]** ( );
4. : "*browser.cache.offline.enable*";
5. `false`, **[]**;
6. 4 5 :
   - *browser.cache.disk.enable;*
   - *browser.cache.disk_cache_ssl;*
   - *browser.cache.memory.enable;*
7. : "*network.http.use-cache*";
8. **[+]**, `false`, **[]**;
9. - Firefox.

, CVE-2021-29952

WebRender ( ), :

- , , : **— — - Firefox**;
- "*about:config*" **<Enter>**;
- **[Accept the Risk and Continue]** ( );
- : "*gfx.webrender.all*";
- `false`, **[]**;
- - Firefox.

, CVE-2021-29970

(Accessibility features), :

- , , : **— — - Firefox**;
- "*about:config*" **<Enter>**;
- **[Accept the Risk and Continue]** ( );
- : "*accessibility.force_disabled*";
- **[]** "1";
- **[]**;
- - Firefox.

, CVE-2021-30547

ANGLE ( ), :

- , , : **— — - Firefox**;
- "*about:config*" **<Enter>**;
- **[Accept the Risk and Continue]** ( );
- : "*webgl.disable-angle*";
- `true`, **[]**;
- - Firefox.

, firefox thunderbird

:

- CVE-2021-23961.

firefox chromiun.

, (. ,).

, TCP-:

- 6566 (SANE);
- 10080 (Amanda);
- 69 (TFTP);
- 161 (SNMP);
- 1719 (H323 (RAS));
- 137 (NetBIOS).

:

iptables

, , :

```
sudo iptables -A INPUT -p tcp --dport 6566 -j DROP

sudo iptables -A INPUT -p tcp --dport 10080 -j DROP

sudo iptables -A INPUT -p tcp --dport 69 -j DROP

sudo iptables -A INPUT -p tcp --dport 161 -j DROP

sudo iptables -A INPUT -p tcp --dport 1719 -j DROP

sudo iptables -A INPUT -p tcp --dport 137 -j DROP
```

, . — . iptables.

ufw

, :

```
sudo ufw deny 6566/tcp

sudo ufw deny 10080/tcp

sudo ufw deny 69/tcp

sudo ufw deny 161/tcp

sudo ufw deny 1719/tcp

sudo ufw deny 137/tcp
```

, glibc

:

- CVE-2019-25013.

() EUC-KR.

, :

```
locale -a
```

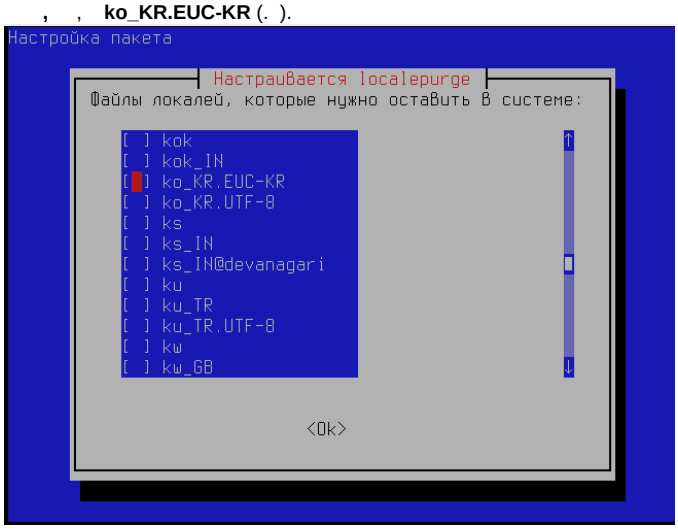
. EUC-KR, :

```
ko_KR.euckr
```

localepurge. :

```
sudo apt install localepurge
```

, , **ko_KR.EUC-KR** (.).



, imagemagick

:

- CVE-2018-15607.

/etc/ImageMagick-6/policy.xml :

```
<policy domain="resource" name="width" value="10KP"/>
<policy domain="resource" name="height" value="10KP"/>
```

, iptables

:

- CVE-2012-2663.

iptables :

- «--syn» «--tcp-flags SYN,ACK,FIN SYN»;

- TCP-, SYN FIN;

```
sudo iptables -A INPUT -p tcp --tcp-flags SYN,FIN SYN,FIN -j REJECT
```

, . —. iptables.

, linuxptp

:

- CVE-2021-3570.

:

- , ( ). `ptp4l` `eno1`:

```
sudo ptp4l -i eno1 -m -S
```

- — PTP, :

iptables

, , :

```
sudo iptables -A INPUT -p udp --dport 320 -j DROP
```

, . — . iptables.

ufw

, :

```
sudo ufw deny 320/udp
```

- «» «» — ( ) ( ):
  - , ;
  - .

`linuxptp` `chronyd`. : Astra Linux.

, ntp

:

- CVE-2018-12327.

:

- IP- NTP-, :

  ```
  sudo ntpdate -q <  NTP->
  ```

  NTP-, IP-.

  , IP- NTP- , Whois-, , web- https://2ip.ru/whois/.

  IP- NTP- ntp4.vniiftri.ru , :

  - :

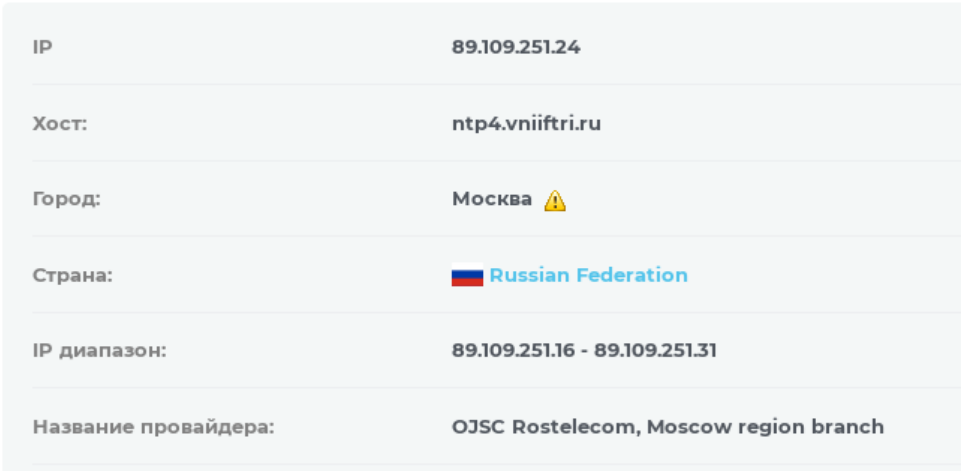
    ```
    sudo ntpdate -q ntp4.vniiftri.ru
    ```

    :

    ```
    server 89.109.251.24, stratum 1, offset 1.294563, delay 0.03233
    5 Aug 13:42:09 ntpdate[1640]: step time server 89.109.251.24 offset 1.294563 sec
    ```

  - web- https://2ip.ru/whois/ **IP** NTP- **[]**.

    , IP- (.).

- , NTP-.

  NTP- «», web- «» : https://www.vniiftri.ru/catalog/services/sinkhronizatsiya-vremeni-cherez-ntp-servera/.

 ntp chronyd. : Astra Linux.

, php

:

- CVE-2021-21702.

SOAP- PHP SOAP-. SOAP-, , , web- https://www.virustotal.com/gui/home/url.

, python

:

- CVE-2020-8492;
- CVE-2021-3177.

, (. ,).

, ctypes- PyCArg_repr , , sprintf, 256 . , , , UTF-8, :

```
def utf8len (text):
    return len(text.encode('utf-8'))
```

, rpm

:

- CVE-2010-2198;
- CVE-2010-2199;
- CVE-2017-7500.

rpm. **apt**. (DEB) **dpkg.**

RPM DEB **alien**. ( ):

```
sudo apt install alien
```

RPM DEB :

```
sudo alien < >.rpm
```

:

```
< >.deb generated
```

, rsyslog

:

- CVE-2019-17041;
- CVE-2019-17042.

( ) pmcisconames pmaixforwardedfrom. /etc/rsyslog.conf ("#") :

```
module(load="pmcisconames")
module(load="pmaixforwardedfrom")
```

, sane-backends

:

- CVE-2020-12861.

auto-discovery, /etc/sane.d/epsonds.conf ("#") :

```
net autodiscovery
```

, screen

:

- CVE-2021-26937.

screen , UTF-8. , KOI8-R ( ), :

- **screen**;
- **<Ctrl + A>**, " : ";
- **screen** :

```
defencoding KOI8-R
```

- **<Enter>**.

, squid

:

- BDU:2021-02727;
- CVE-2021-28652.

:

- HTTPS- ;

- , Cache Manager. `/etc/squid/squid.conf` , "allow", :

```
http_access deny manager
```

- Cache Manager, Cache Manager — , . — . - squid.

, tar

:

- CVE-2005-2541.

, (. ,).

, , , :

- (sudo);
- , : `--no-same-permissions`

```
sudo tar zxvf file.tar.gz --no-same-permissions
```

, , .