

2022-0318SE47MD

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

- , linux
 -
 - (main)
 - (base)
 -
- , apache2
 - , lua_module , (multipart)
 - SSRF- (Server Side Request Forgery) mod_proxy
 - HTTP Request Smuggling
- - Firefox
 - Chromium

 . .

 4.7.1 (2022-0114SE47).

 , , 4.7.2.

 , , .

, linux

 . .

 , , (base).

 (base) (main), . .

 :
• :
• : fly-astra-update astra-update - .

 ().

 «» () «» ():
• :
• : fly-astra-update/astra-update :

```
sudo astra-nochmodx-lock disable
```

(main)

1. tar- WEB- : https://download.astralinux.ru/astra/frozen/4.7_arm/4.7.1/iso/2022-0318SE47MD.tar.gz;



(main) "-":

https://download.astralinux.ru/astra/frozen/4.7_arm/4.7.1/iso/2022-0318SE47MD.tar.gz_2022-03-24_14-26-03.tsp.sig.

2. tar-;
3. , . :

```
gostsum 2022-0318SE47MD.tar.gz
```

:

```
578f56b39c8d93e53c56e490d8f33dd77716e4b05dd819d4796a5fa51052cd62
```

4. ,, /mnt/, :

```
sudo tar xzvf 2022-0318SE47MD.tar.gz -C /mnt/
```

5. tar- 2022-0318SE47MD (. [Astra Linux](#)), /mnt/2022-0318SE47MD/, /etc/apt/sources.list

```
deb file:/mnt/2022-0318SE47MD/ 4.7_arm main contrib non-free
```

- (baikal1, huawei1, mtrust1) :

```
sudo apt update
```

6. , :

- sudo astra-update -a -r

- sudo apt dist-upgrade

(base)

1. tar- WEB- : https://download.astralinux.ru/astra/frozen/4.7_arm/4.7.1/iso/base-2022-0318SE47MD.tar.gz;



(base) "-":

https://download.astralinux.ru/astra/frozen/4.7_arm/4.7.1/iso/base-2022-0318SE47MD.tar.gz_2022-03-24_14-26-57.tsp.sig.

2. tar-;
3. , . :

```
gostsum base-2022-0318SE47MD.tar.gz
```

:

```
57e9e8535c0cbb9998226217cd5dbd7a934a4085400b9acce3585541e81f1b6
```

4. ,, /mnt/, :

```
sudo tar xzvf base-2022-0318SE47MD.tar.gz -C /mnt/
```

5. tar- base-2022-0318SE47MD (. [Astra Linux](#))., /mnt/base-2022-0318SE47MD/, /etc/apt/sources.list

```
deb file:/mnt/base-2022-0318SE47MD/ 4.7_arm main contrib non-free
```

- (baikal1, huawei1, mtrust1)

```
sudo apt update
```

6. , :

- sudo astra-update -a -r

- sudo apt dist-upgrade



.



fly-admin-int-check gostsums.txt, 2022-0318SE47MD.

, **apache2**

, lua_module , (multipart)

LUA. , :

```
sudo apachectl -M
```

lua, :

```
sudo a2dismod lua
```

- Apache, :

```
sudo systemctl restart apache2
```

SSRF- (Server Side Request Forgery) mod_proxy

proxy (:/etc/apache2/sites-enabled/000-default.conf).

ProxyRequests "off". , , - .



, proxy, :

```
sudo a2dismod proxy
```

- Apache, :

```
sudo systemctl restart apache2
```

HTTP Request Smuggling

(:/etc/apache2/sites-enabled/000-default.conf) http/2 — Protocols () "h2" (HTTP/2).

- Apache, :

```
sudo systemctl restart apache2
```

- Apache HTTPS.



«» () «» ():

, , , (), .

Astra Linux apache2 astra-ilev1-control. man astra-ilev1-control.



.



ca-certificates-local .

Firefox

1. , , : — - **Firefox**.
2. "about:preferences" <Enter>.
3. [].
4. [...].
5. /usr/share/ca-certificates/mozilla/rootca_MinDDC_rsa2022.crt [].
6. - [].
7. [].

, []: :

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Chromium

1. , , : — - **Chromium**.
2. "chrome://settings/certificates" <Enter>.
3. [].
4. /usr/share/ca-certificates/mozilla/rootca_MinDDC_rsa2022.crt [].

5. 0.

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