

20220318SE16MD



Astra Linux Special Edition .10015-01 (1.6), - Astra Linux, .

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



.



10 (20211126SE16).



, , 11 (20220829SE16).



, , .



, , linux, , apache2.
, ca-certificates.deb Astra Linux .

, linux



. .



, , , , .



:

- ;
- : fly-astra-update astra-update - .



().



- ;
- : fly-astra-update/astra-update :

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



"-":

https://dl.astralinux.ru/astra/stable/smolensk/security-updates/1.6/20220318SE16MD/2022-0318SE16MD.tar.gz_2022-03-24_14-25-42.tsp.sig.

2. tar-2022-0318SE16MD.tar.gz;
3. , . :

```
gostsum 2022-0318SE16MD.tar.gz
```

:

```
33e2d67a9cd5b115971b3903dc47b7d4fdc59a7dafaed41a5d46e37eb17502b4
```

4. , , /mnt/ , :

```
sudo tar xzvf 2022-0318SE16MD.tar.gz -C /mnt/
```

5. tar-2022-0318SE16MD (. [Astra Linux](#)), /mnt/2022-0318SE16MD/, /etc/apt/sources.list

```
deb file:/mnt/2022-0318SE16MD/ smolensk main contrib non-free
```

```
sudo apt update
```

6. , :

- sudo astra-update -a -r

- sudo apt dist-upgrade

1. tar- WEB- : <https://dl.astralinux.ru/astra/stable/smolensk/security-updates/1.6/devel/20220318SE16MD/devel-2022-0318SE16MD.tar.gz>



"-":

<https://dl.astralinux.ru/astra/stable/smolensk/security-updates/1.6/devel/20220318SE16MD/devel-2022-0318SE16MD.tar.gz.sig>.

2. tar-devel-2022-0318SE16MD.tar.gz;
3. , . :

```
gostsum devel-2022-0318SE16MD.tar.gz
```

:

```
ad645ff695eca10a9e5cfc5657c49d8409d8b4f44109ce9c3e06f35736bcf470
```

4. , , /mnt/, :

```
sudo tar xzvf devel-2022-0318SE16MD.tar.gz -C /mnt/
```

5. tar- devel-2022-0318SE16MD (, [Astra Linux](#)), , /mnt/devel-2022-0318SE16MD/, /etc/apt/sources.list

```
deb file:/mnt/devel-2022-0318SE16MD/ smolensk main contrib non-free
```

```
sudo apt update
```

6. , , :

- sudo astra-update -a -r

- sudo apt dist-upgrade



.



fly-admin-int-check gostsums.txt, 2022-0318SE16MD.

, 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.



, , , 0, .

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. [].

, [] :

The Ministry of Digital Development and Communications
Russian Trusted Root CA

Chromium

1. ,, : — - **Chromium**.
2. " chrome://settings/certificates " <Enter>.
3. [].
4. /usr/share/ca-certificates/mozilla/rootca_MinDDC_rsa2022.crt [].
5. [].

:

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