VipNet CSP

blocked URL

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ViPNet CSP Linux , Linux, (PKI)

ViPNet CSP Linux . .

, ViPNet CSP Linux. Vipnet CSP.

itcs-licensing	license	ViPNet CSP Linux.
itcs-winapi	certmgr certreq	. .
itcs-winapi-gui	certmgr-gui	.
itcs-entropy-gost	rngcmgr rngpkcs11host	. , ,
itcs-entropy-gost-gui	rngqtmgr	.
itcs-csp-gost	csp-integral-test csp-gost	. ViPNet CSP Linux. : • . • . • .
itcs-csp-gost-gui		, . , , .
itcs-integrity-check	check_prg make_ext_crg	. Linux, .
itcs-cryptofile	cryptofile	, : • ; • ; • Base64.
itcs_wiper	wipe	.
itcs-softtoken	token_manager	

itcs-openssl	key_manager	itcs-openssl.

, ViPNet CSP Linux, , .

:
, :

- — /opt/itcs/share/samples .
- — /opt/itcs/include .
- — /opt/itcs/bin .

, :

- : /etc/opt/itcs .
- : /var/opt/itcs/vipnet-csp .

(,): /home/<username>/.itcs/vipnet-csp .

:

```
sudo dpkg -i <__>
```

ViPNet CSP Linux :

1. itcs-licensing
2. itcs-entropy-gost
3. itcs-winapi
4. itcs-csp-gost

, :

- itcs-winapi-gui.
- itcs-entropy-gost-gui.
- itcs-csp-gost-gui.

ViPNet CSP Linux 4.4 , **vipnetcsp_pkg_manager.sh**. .

Astra Linux Special Edition (1.5 1.6) Astra Linux Common Edition 2.12 :

```
./vipnetcsp_pkg_manager.sh install --package deb --platform x86_64 --dist ..
/deb/
```

⚠ , . :

- all — , .
- vipnet_csp — ViPNet CSP Linux , .
- vipnet_csp_gui — ViPNet CSP Linux.

ViPNet CSP Linux

ViPNet CSP Linux - ( ).

ViPNet CSP Linux , /opt/itcs/bin license :

```
sudo ./license register --product=<> --serial=< > --code=< >
```

:

- <> — (csp_linux).
- < > — .
- < > — .

, ViPNet CSP Linux , license list:

```
./license list
```

.

:

```
./csp-gost print_containers
```

```
Printing available containers (for user):

0. SafeNet eToken (eToken Aladdin)(Makhmadiev): abn_0199.key
1. /home/astrauser/.itcs/vipnet-csp/containers/test1234

SUCCESSED
```

:

```
./csp-gost container_content --container abn_0199.key
```

```
Container
 Name: abn_0199.key
 Type: Device
 Location: SafeNet eToken (eToken Aladdin)(Makhmadiev)
```

```
Certificate
 Issuer:
 Subject: "-     "
 Serial: 01 d4 71 12 b2 ad 03 20 00 00 0a 57 06 ba 00 05
 Subject key identifier: e4 09 ca 71 42 ef 6a 5d 8a ec 70 8c 9d dd dd dd dd 74
e4 78
 Not before: 31-10-2018 17:10:00
 Not after: 31-10-2019 17:10:00
 Fingerprint (SHA1 hash): aa bb cc dd 0e 8e e0 84 e3 8f 48 85 4f 40 80 ef 1a
c6 31 04

SUCCESSED
```

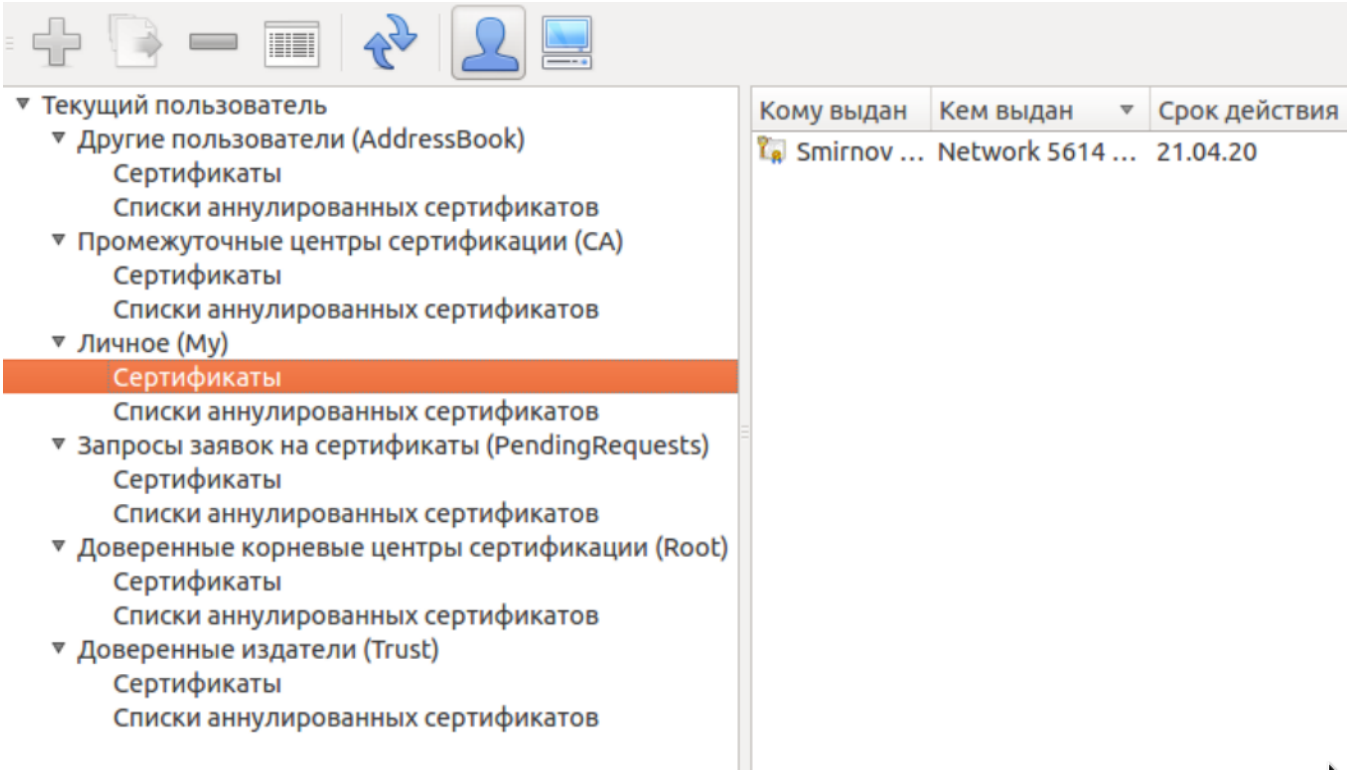
, , .

Vipnet CSP Linux

, (gui)

, :

- /opt/itcs/bin certmgr-gui



, (My, Root, CA, AddressBook).

- - .

```
./certmgr print_certificate --location =<> --store=< > --index=<  >
```

- .

, (cli)

, /opt/itcs/bin certmgr :

```
./certmgr add_certificate --location=<> --store=My --file=<__> --container=<__>
```

:

- <> — , :
  - CurrentUser — ( );
  - LocalMachine — .

certmgr :

```
./certmgr add_certificate --location=CurrentUser --store=My --file=/home
/astrauser/cert1 --container=/home/astrauser/.itcs/vipnet-csp/containers/cont1
```

. , . , , .

, :

```
./certmgr print_certificates --location =<> --store=< >
```

, . (Index). :

```
./certmgr print_certificate --location =<> --store=< > --index=<  >
```

:

```
./certmgr print_certificates --location=CurrentUser --store=My
./certmgr print_certificate --location=CurrentUser --store=My --index=4
```

CRL:

```
./certmgr print_crls --location=CurrentUser --store=My ./certmgr print_crl --
location=CurrentUser --store=My --index=2
```

cryptofile , . .

test.doc ( ):

```
/opt/itcs/bin/cryptofile sign --in=/home/user1/test.doc --out=/home/user1/test.
doc.sig --nodetach --DER --issuer_serial="CRYPTO-CA|4ee987f40000000009fd"
```

test.doc:

```
/opt/itcs/bin/cryptofile encrypt --in=/home/user1/test.doc --out=/home/user1
/test.doc.enc --issuer_serial="CRYPTO-CA|4ee987f40000000009fd"
```

test.doc.sig:

```
/opt/itcs/bin/cryptofile verify --in=/home/user1/test.doc.sig --out=/home/user1
/test.doc
```

test.doc.enc:

```
/opt/itcs/bin/cryptofile decrypt --in=/home/user1/test.doc.enc --out=/home
/user1/test.doc
```

ViPNet CSP Linux

Astra Linux Special Edition .10015-01 (1.5)

ViPNet CSP Linux Astra Linux Special Edition .10015-01 (1.5) , infotecs_pub_key.gpg, ViPNet CSP Linux, Astra Linux: Astra Linux: .

Astra Linux Special Edition .10015-01 (1.6)

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

1) Astra Linux astra-digsig-oldkeys.
2) infotecs_pub_key.gpg, ViPNet CSP Linux, :
/etc/digsig/keys/legacy/keys/
3) Astra Linux: Astra Linux: .

ViPNet, «»:

- - ViPNet http://docs.infotecs.ru.
- ViPNet http://www.infotecs.ru/products/line/
- ViPNet http://www.infotecs.ru/solutions/
- (FAQ) http://www.infotecs.ru/support/faq/
- ViPNet http://www.infotecs.ru/forum/.