

# FreeIPA XCA DogTag

- XCA
  - o , , XCA
  - o XCA
    - XCA
  - o FreeIPA
- FreeIPA
  - o apache2
    - web- FreeIPA
  - o (dirsrv)

- XCA:
- FreeIPA XCA DogTag
- OpenVPN XCA
- astra-freeipa-server-crt - FreeIPA



- Astra Linux Special Edition .10015-01 ( 1.7), .10015-10
- Astra Linux Special Edition .10015-17
- Astra Linux Special Edition .10015-37 ( 7.7)
- Astra Linux Special Edition .10015-03 ( 7.6)
- Astra Linux Special Edition .10152-02 ( 4.7)
- Astra Linux Special Edition .10015-01 ( 1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Special Edition .10015-16 . 2
- Astra Linux Special Edition .10265-01 ( 8.1)
- Astra Linux Common Edition 2.12



, FreeIPA DogTag (, FreeIPA Astra Linux Special Edition)



FreeIPA Astra Linux DogTag XCA.

, FreeIPA ( astra-freeipa-server fly-admin-freeipa-server).

## XCA

, , XCA

, , XCA XCA:

### XCA

FreeIPA astra-freeipa-server fly-admin-freeipa-server /etc/ssl/freeipa.

| ca.crt     | PEM             |
|------------|-----------------|
| ca.key     |                 |
| ca.srl     |                 |
| server.crt | FreeIPA PEM     |
| server.csr | FreeIPA         |
| server.key | FreeIPA         |
| server.p12 | FreeIPA PKCS#12 |

### XCA

- XCA (root).
- , .
- :
  - /etc/ssl/freeipa/ca.key;
  - /etc/ssl/freeipa/ca.crt;
  - FreeIPA /etc/ssl/freeipa/server.key;
  - FreeIPA /etc/ssl/freeipa/server.crt.

## FreeIPA

FreeIPA .

:

1. XCA .
2. FreeIPA.
3. "Transform" - "Similar Certificate".
4. ( , ).



, .

5. , "".

1. .
2. "".
3. .
4. "PEM (\*.crt)".
5. , "" .

## FreeIPA

### apache2

#### web- FreeIPA

1. PEM clipboard ( , , kate);



Astra Linux CE clipboard XCA

2. web- FreeIPA.
3. "" \_ "".
4. (, "HTTP:/...").
5. "".
6. .
7. "" .

, web- ( , ), FreeIPA certutil.

1. XCA , .
2. /etc/apache2/nssdb ( , ipa.ipadomain.ru):

```
sudo certutil -d /etc/apache2/nssdb -D -n ipa.ipadomain.ru
```

3. ( , certificate.crt):

```
sudo certutil -d /etc/apache2/nssdb -A -t ,, -n ipa.ipadomain.ru -i  
certificate.crt
```

-t- .

4. FreeIPA

```
sudo ipactl restart
```

(dirsrv)

/etc/dirsrv/slapd-<\_>.<\_> , apache2., ipa.ipadomain.ru :

```
sudo certutil -d /etc/dirsrv/slapd-IPA-IPADOMAIN-RU -D -n ipa.ipadomain.ru
sudo certutil -d /etc/dirsrv/slapd-IPA-IPADOMAIN-RU -A -t ,, -n ipa.
ipadomain.ru -i certificate.crt
```