# FreeIPA:

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  - 
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  - 
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:

- 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

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- 2 ( DogTag - 4).

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**!**

FreeIPA . FreeIPA .

1. FreeIPA ( FreeIPA) , .
2. , , .
3. FreeIPA Astra Linux Special Edition c AstraMode web- Apache2.

FreeIPA (. FreeIPA Astra Linux):

- :
  - DogTag (, **Astra Linux Common Edition**);
  - DogTag (, **Astra Linux Special Edition**);
- IP- 10.0.2.102;
- (FQDN) ipa.ipadomain.ru;
- FreeIPA admin;

FreeIPA:

- 10.0.2.103;
- FQDN replica.ipadomain.ru;

:

- ;
- ;
- DogTag , :
  - ;
  - ;
- FreeIPA;
- -;

1. FreeIPA, Kerberos:

```
kinit admin
```

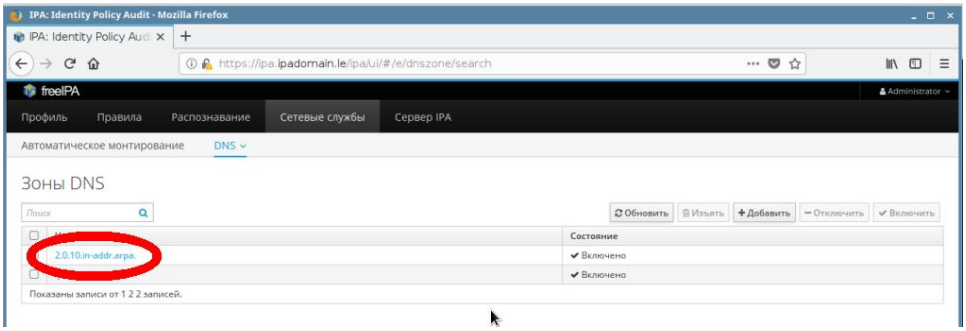
2. , . :

a. WEB- FreeIPA:

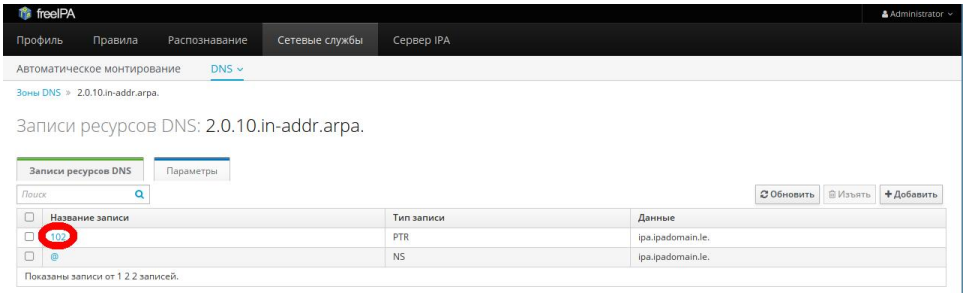
> " " => "DNS" => " DNS"

b. , :

i. DNS FreeIPA DNS 2.0.10.in-addr.arpa.:




ii. 10.0.2.102:



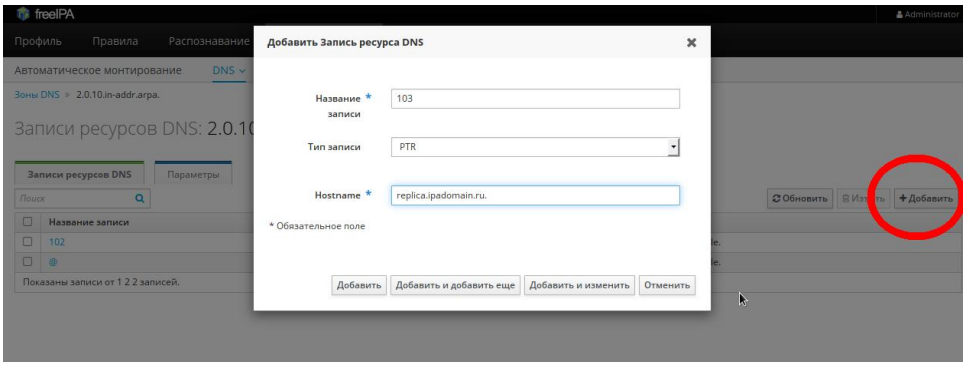

iii. FreeIPA - .

iv. :

- ""
- 103 ( **103** 10.0.2.0/24)
- "PTR" ( )
- Hostname replica.ipadomain.ru.

> !

- ""




, :

.

```
sudo ipa dnsrecord-add 2.0.10.in-addr.arpa 103 --ptr-rec "replica.ipadomain.ru."
```

( ) A . , - A/AAAA . , .

c. DogTag, astra-freeipa-server-crt - FreeIPA XCA: .

1. (FQDN). replica.ipadomain.ru:

```
hostnamectl set-hostname replica.ipadomain.ru
```

2. :

a. /etc/hosts

10.0.2.103 replica.ipadomain.ru replica

IPv6 ;

b. NetworkManager IP- 10.0.2.103 DNS 10.0.2.102.

c. , .

3. :

```
apt install astra-freeipa-server astra-freeipa-client
```

4. FreeIPA, ( , ):

```
astra-freeipa-client -d ipadomain.ru
```

5. ( ):

a. Astra Linux Common Edition Astra Linux Special Edition DogTag:

```
astra-freeipa-replica --dogtag
```

b. Astra Linux Special Edition DogTag -, :

```
astra-freeipa-replica -a replica.p12 --pin 12345678
```

replica.p12 - , 12345678 - (PIN-) .

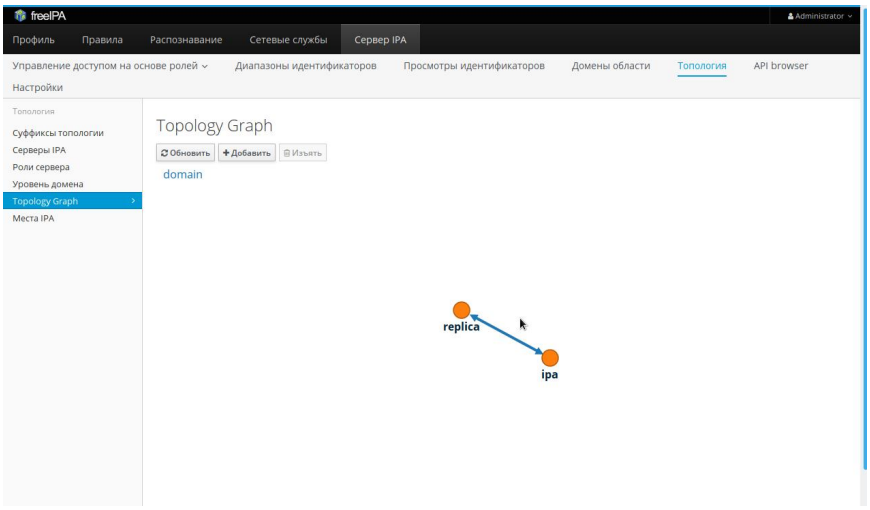
- ipaservers ( Kerberos):

```
kinit admin
ipa hostgroup-show ipaservers
```

:

: ipaservers
: IPA server hosts
-: ipa.ipadomain.ru, replica.ipadomain.ru

WEB- FreeIPA - (" IPA" => "" => "Topology Graph"):




:

1. , :
   a. web- FreeIPA:
      i. WEB- , .
      ii. web- .
      iii. : "IPA-" "".
      iv. .
      v. " ".
      vi. " " "DNS" " DNS" ( ).
      vii. , .
   b. :
      i. Kerberos .
      ii. :

```
ipa server-del <__>
```

      iii. DNS :

```
ipa dnsrecord-del <_> <__> --del-all
```

      <__> — .

2. :
   a. ( LVM, ).
   b. :
      i. :
      sudo astra-freeipa-server -U
      ii. .
      iii. , :

```
sudo apt purge astra-freeipa-server astra-freeipa-client sssd
krb5-kdc krb5-pkinit apache2 bind9 --autoremove
```