

DNS FreeIPA

-
- (SSSD)
- DHCP
 -
 - DNS FreeIPA
 - DHCP
 -
 -



:

- 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 . 2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition 2.12

DHCP IP-, . :

- SSSD IP-;
 - Astra Linux DHCP isc-dhcp-server DNS (DNS- BIND9) .
- , DHCP-.

(SSSD)

SSSD /etc/sss/sssd.conf FreeIPA :

```
[domain/...]
.....
# (A/AAAA )
dyndns_update = true
# (PTR )
dyndns_update_ptr = true
# . - 0, SSSD.
# 60 , 60 .
# - .
dyndns_refresh_interval = 60
```

Kerberos FreeIPA.

--enable-dns-updates, :

```
sudo astra-freeipa-client -d somedom.example.com --par --enable-dns-updates
```

dyndns_update = true (A/AAAA). PTR .

DHCP



Samba AD, DLZ_BIND backend.

DHCP. /etc/bind/rndc.key:

```
sudo rndc-confgen -a -r /dev/random -b 256
```

DNS /etc/bind/named.conf "options" :

 include "/etc/bind/rndc.key";

DNS FreeIPA

WEB- FreeIPA " BIND" :

 grant rndc-key wildcard * ANY;

" BIND" :

 grant rndc-key wildcard * PTR;

FreeIPA:

```
sudo ipactl restart
```

DHCP

DHCP- .

/etc/default/isc-dhcp-server , :

 INTERFACESv4="eth0"

/etc/dhcp/dhcpd.conf (samdom.example.com 10.0.2.0/24 FreeIPA/DNS 10.0.2.102):



```

ddns-updates on;
ddns-update-style standard;
include "/etc/bind/rndc.key";
ddns-domainname "";
update-static-leases on;

option domain-name "samdom.example.com";
option domain-search "samdom.example.com";

option domain-name-servers 10.0.2.102;
option dhcp-server-identifier 10.0.2.102;
# Samba WINS
#option netbios-name-servers 10.0.2.102;

default-lease-time 129600;
max-lease-time 1296000;
authoritative;

server-name "ipa.samdom.example.com";
server-identifier 10.0.2.102;

# , Ethernet.
Subnet 10.0.2.0 netmask 255.255.255.0 {
    option broadcast-address 10.0.2.255;
    option subnet-mask 255.255.255.0;
    option routers 10.0.2.1;
    pool {
        range 10.0.2.10 10.0.2.100;
        allow known-clients;
        allow unknown-clients;
        max-lease-time 86400;
        default-lease-time 43200;
    }
    zone samdom.example.com. {
        primary 127.0.0.1;
        key "rndc-key";
    }
    zone 2.0.10.in-addr.arpa. {
        primary 127.0.0.1;
        key "rndc-key";
    }
}

```



```

:
range 10.0.2.10 10.0.2.20;

```

```

:
range 10.0.2.30 10.0.2.40;

```

```

:

sudo dhclient -r
sudo dhclient
ip a

```

DHCP:

```
sudo systemctl restart isc-dhcp-server
```



, , , /var/run/dhcpd.pid.

DHCP- DNS- . ""., , DHCP- (FQDN). , :

```
sudo hostnamectl set-hostname client.somedom.example.com
sudo dhclient -r
sudo dhclient
```

:

- client - ;
- somedom.example.com - ;
- client.somedom.example.com - .

.

, DHCP.

, client :

```
ping client.sandom.examle.com
dig client.sandom.examle.com
```