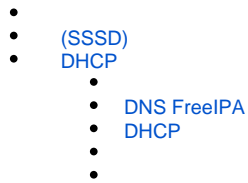


DNS FreeIPA



DHCP IP-, . :

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

(SSSD)

SSSD /etc/sss/sss.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

DHCP rndc-confgen. /etc/bind/rndc.key:

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

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

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

DNS FreeIPA

WEB- FreeIPA " BIND" :

```
i grant rndc-key wildcard * ANY;
```

```
" BIND" :
```

```
i grant rndc-key wildcard * PTR;
```

FreeIPA:

```
sudo ipactl restart
```

DHCP

DHCP- .

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

```
i INTERFACESv4="eth0"
```

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

```
i 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.examble.com
dig client.sandom.examble.com
```