

# Kerberos

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  - DNS
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  - Kerberos



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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



Kerberos — , ,

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Kerberos , Windows Active Directory, Samba AD DC, FreeIPA, Astra Linux Directory (ALD).

Linux- Kerberos - MIT Heimdal. Astra Linux ( ) MIT Kerberos ( [Samba](#) [Heimdal Kerberos](#) [Astra Linux Special Edition 1.6](#)).

Kerberos :

- (realm) - (), . "";
- - Kerberos, . ""., , Kerberos ().

, Kerberos, , .

- astradomain.ru;
- kdc.astradomain.ru.

Kerberos (realm), . astradomain.ru ASTRADOMAIN.RU

Kerberos , [DNS](#). , Kerberos, (Fully Qualified Domain Name, FQDN).  
DNS- () FQDN ( krb5.conf rdns false)

:

```
nslookup <FQDN__>
nslookup <IP__>
```

nslookup dnsutils:

```
sudo apt install dnsutils
```

ping:

```
ping kerberos.astradomain.ru
```


Kerberos ,  
- [Network Time Protocol \(NTP\)](#).

Kerberos Astra Linux, ,


```
sudo apt install krb5-kdc krb5-admin-server krb5-user
```

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, .

/etc/krb5kdc/kdc.conf , Kerberos, FQDN, :

 [kdcdefaults]  
kdc\_ports = 750,88  
  
[realms]  
ASTRADOMAIN.RU = {  
database\_name = /var/lib/krb5kdc/principal  
admin\_keytab = FILE:/etc/krb5kdc/kadm5.keytab  
acl\_file = /etc/krb5kdc/kadm5.acl  
key\_stash\_file = /etc/krb5kdc/stash  
kdc\_ports = 750,88  
max\_life = 10h 0m 0s  
max\_renewable\_life = 7d 0h 0m 0s  
master\_key\_type = des3-hmac-sha1  
#supported\_encetypes = aes256-cts:normal aes128-cts:normal  
default\_principal\_flags = +preauth  
}

Kerberos (Access Control List, ACL) .  
, /etc/krb5kdc/kadm5.acl.  
, /etc/krb5kdc/kadm5.acl, , /admin:


 \*/admin@ASTRADOMAIN.RU \*


Kerberos :

```
krb5_newrealm
```

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, Kerberos .  
kadmin.local, Kerberos .

 kadmin.local , Kerberos,  
, Kerberos.

 kadmin.local

" ", .

admin/admin addprinc:

 kadmin.local: addprinc admin/admin

kadmin.local quit.

admin/admin Kerberos kadmin.  
kadmin.local, , :

```
kadmin -p admin/admin
```


## DNS

Kerberos DNS: (SRV-).  
Kerberos . [DNS](#)

Kerberos krb5-user Astra Linux, . ,

```
sudo apt install krb5-user
```

krb5-user, , krb5-config

 Kerberos Samba AD DC,  
/var/lib/samba/krb5.conf,  
[Samba](#)  
, [DNS](#) [DHCP](#).

Kerberos

```
sudo dpkg-reconfigure krb5-config
```

- ( - ASTRADOMAIN.RU);
- () Kerberos /etc/krb5.conf.  
"" , () Kerberos  
DNS (" DNS "), "".

. kinit :

```
kinit admin/admin
```

```
klist
```

## Kerberos

Kerberos libpam-krb5:

```
sudo apt install libpam-krb5
```

PAM.