

# PostgreSQL Kerberos FreeIPA

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- [/etc/postgres\\*/main/pg\\_hba.conf](#)
- [/etc/postgres\\*/main/pg\\_ident.conf](#)

..:

- PostgreSQL



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- Astra Linux Special Edition .10015-01 .10015-10 ( 1.7)
- Astra Linux Special Edition .10015-37 ( 7.7)
- Astra Linux Special Edition .10015-01 ( 1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Common Edition 2.12

FreeIPA:

- astra.mta;
- admin@astra.mta;
- ipauser@astra.mta.

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- db.astra.mta;
- ;
- IP-, , 192.168.32.4.



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. postgres, Kerberos , db.astra.mta, postgres/db.astra.mta@ASTRA.MTA. WEB- FreeIPA, Kerberos :

```
kinit admin
```

:

```
ipa service-add postgres/db.astra.mta@ASTRA.MTA
```

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1. PostgreSQL:

```
sudo apt install postgresql
```

2. Kerberos :

```
sudo kinit admin
```

3. , /etc/postgresql/krb5.keytab:

```
sudo ipa-getkeytab --principal=postgres/db.astra.mta@ASTRA.MTA --keytab=/etc/postgresql/krb5.keytab
```

4. postgres

```
sudo chown postgres:postgres /etc/postgresql/krb5.keytab
```

5. postgresql:

a. /etc/postgresql/\*/main/postgresql.conf:



Astra Linux Special Edition x.7 /etc/postgresql/11.  
Astra Linux Special Edition 1.6 Astra Linux Common Edition /etc/postgresql/9.6.

i. , listen\_address. , " ":

```
listen_addresses = '*'
```

ii. krb\_server\_keyfile:

```
krb_server_keyfile = '/etc/postgresql/krb5.keytab'
```

b. /etc/postgresql/\*/main/pg\_hba.conf , gss, :

```
host all all 192.168.32.0/4 gss
```

6. postgres sssd. /etc/sss/sss.conf [ifp] :

```
[ifp]  
allowed_uids = postgres
```

allowed\_uids , postgres .

7. sssd:

```
sudo systemctl restart postgresql sssd
```

, Kerberos ipauser@astra.mta:

```
kinit ipauser
```

:

```
psql -h db.astra.mta -U ipauser@ASTRA.MTA
```

```
psql: : "ipauser@ASTRA.MTA"
```

, , , . , Kerberos (). ..

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/etc/postgres/\*/main/pg\_hba.conf

gss (. [PostgreSQL 9.6](#) [PostgreSQL 11](#) ):

- **include\_realm** 0, , . Kerberos, krb\_realm. — include\_realm (1) /etc/postgres/\*/main/pg\_ident.conf  
Postgres Pro.
- **map** . , . map=<\_> /etc/postgresql/\*/main/pg\_hba.conf. /etc/postgresql/\*/main/pg\_ident.conf. Astra Linux ()  
, , .  
:

ipauser@astra.mta, dbuser . :

1. /etc/postgresql/\*/main/pg\_hba.conf map1:

```
map="map1"
```

2. /etc/postgresql/\*/main/pg\_ident.conf :

```
#
map1          ipauser@astra.mta      dbuser
```

, pg\_hba pg\_ident.

3. :

```
sudo systemctl restart postgresql
```

ipauser@astra.mta:

```
psql -h db.astra.mta -d dbuser -U dbuser
```

- **krb\_realm** , . , . , . .

/etc/postgres/\*/main/pg\_ident.conf

(GSSAPI) , , () . , . , map=- pg\_hba.conf. , . , - pg\_hba.conf . . [PostgreSQL 9.6](#) [PostgreSQL 11](#) (. . )