- squid

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- ACL
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  -
  - Kerberos
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- Astra Linux Special Edition .10015-01 (1.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Common Edition 2.12

Squid (. squid — «») — , - HTTP, FTP, Gopher ( ) HTTPS. (GNU GPL). -.

" Kerberos" , .

UNIX- Windows NT. LDAP, , Windows Server, «» .

Mediawiki wiki . - 2000 .

blocked URL

squid Astra Linux, (. synaptic), :

sudo apt install squid

, .

squid /etc/squid/squid.conf. :

http_port 3128	, . 3128.
http_access	. , , . - : http_access allow all

. :

```
sudo systemctl restart squid
```

" " 35- .

ACL

squid (Access Control Lists, ACL). ACL:

```
#
acl Safe_ports port 80 21 443 563 70 210 1025-65535 280 488 591 777
```

ACL:

,

http_access deny !Safe_ports

ACL:

acl blocksite1 dstdomain telegram.com
http_access deny blocksite1

ACL , **/etc/squid/blockwebsites.lst**:

acl blocksitelist dstdomain "/etc/squid/blockwebsites.lst"
http_access deny blocksitelist

/etc/squid/blockwebsites.lst :

google.com
telegram.com

, , :

acl blockkeyword1 url_regex telegram
acl blockkeyword2 url_regex google
http_access deny blockkeyword1
http_access deny blockkeyword2

, , base64. **/usr/lib/squid3/basic_ncsa_auth**, ":" .

, acl Squid.
(/etc/squid/users):

auth_param basic program /usr/lib/squid3/basic_ncsa_auth /etc/squid/users
acl lan proxy_auth REQUIRED # ,
http_access allow lan # lan

htpasswd, apache2-utils. htpasswd :

```
htpasswd [-c] /// _
```

- , . , Squid:

```
chmod 440 /etc/squid/users
chown proxy:proxy /etc/squid/users
```

Kerberos

FreeIPA Astra Linux. , ( ) FreeIPA (FQDN) ipa.ipadomain.ru, squid (FQDN) squid.ipadomain.ru, .

1. . HTTP, (FQDN). :

HTTP/squid.ipadomain.ru

WEB- FreeIPA:

"" - "" - "+ "

,

```
sudo ipa service-add HTTP/squid.ipadomain.ru
```

2. squid , squid

```
sudo ipa-getkeytab -s ipa.ipadomain.ru -p HTTP
/squid.ipadomain.ru -k /etc/squid/krb5.keytab
```

-s - , (ipa.ipadomain.ru);
-p - , (HTTP/squid.ipadomain.ru);
-k - , (/etc/squid/krb5.keytab).

3. :

```
chown proxy:proxy /etc/squid/krb5.keytab
chmod 640 /etc/squid/krb5.keytab
```

4. squid /etc/squid/squid.conf, "#http_access allow localnet" "#http_access allow localhost"
Kerberos:

```
...
#http_access allow localnet
#http_access allow localhost
auth_param negotiate program /usr/lib/squid/negotiate_kerberos_auth -k /etc/squid
/krb5.keytab -d -s HTTP/squid.ipadomain.ru
auth_param negotiate children 10
auth_param negotiate keep_alive on
acl auth proxy_auth REQUIRED
http_access deny !auth
http_access allow auth
...
```

5.

```
sudo systemctl daemon-reload
```

6. squid :

```
sudo systemctl restart squid
```

Kerberos, IP- -, (FQDN), squid.ipadomain.ru.

squid /var/log/squid:

cache.log	, Squid. Squid, .
access.log	, .