

- squid

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- [ACL](#)
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- [Kerberos](#)
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Squid (. squid — «») — , - [HTTP](#), [FTP](#), [Gopher](#) () [HTTPS](#). ([GNU GPL](#)).

[UNIX](#)- [Windows NT](#). [LDAP](#), , [Windows Server](#), «»

[Mediawiki](#) [wiki](#) . - 2000 .



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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](#)



" [Kerberos](#)" , .

[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:

```
i # ,
http_access deny !Safe_ports
```

ACL:

```
i acl blocksite1 dstdomain telegram.com
http_access deny blocksite1
```

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

```
i acl blockitelist dstdomain "/etc/squid/blockwebsites.lst"
http_access deny blockitelist
```

/etc/squid/blockwebsites.lst :

```
i google.com
telegram.com
```

, , :

```
i 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**):

```
i 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	, .