

Enabling User Authentication in Squid

LPIC-2: Linux Engineer (202-450)

Objectives:

At the end of this episode, I will be able to:

1. Configure the squid proxy server to require user authentication for access.

Additional resources used during the episode can be obtained using the download link on the overview episode.

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- Enabling User Authentication in Squid
 - Types of authentication
 - Enabling authentication
 - Authenticating with a client
 - Types of authentication
 - Examples
 - Samba
 - LDAP
 - HTTP basic authentication
 - Look in `/usr/lib/squid` for a full list
 - Enabling authentication
 1. Edit your configuration
 - `sudoedit /etc/squid/conf.d/local.conf`
 2. Define the protocol and user location
 - `auth_param basic program /usr/lib/squid/basic_ncsa_auth /etc/squid/htpasswd`
 - `auth_param basic realm proxy`
 3. Restrict access to authenticated users
 - `acl internal src 10.0.0.0/255.0.0.0`
 - `acl authenticated proxy_auth REQUIRED`
 - `http_access allow internal authenticated`
 - `http_access deny all`
 - Configuring user accounts
 - Creating passwords
 - `sudo htpasswd -c /etc/squid/htpasswd dpezet`
 - Leave off `-c` to append
 - Test authentication
 - `/usr/lib/squid/basic_ncsa_auth /etc/squid/htpasswd`
 - `dpezet password123`
 - Restart squid
 - `sudo systemctl restart squid`
 - Authenticating with a client
 - Most web browsers support proxy authentication
 - FireFox
 - Menu -> Preferences -> Network Settings -> Connection Settings
 - Or search for Proxy in the settings