Enabling User Authentication in Squid

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.

- 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