Proxy Filtering Project

Setup

Make sure your pfsense is NOT using the default password.

Follow the tutorial outlined [here](#) to configure pfsense as a squid proxy.

Tasks

Remember to make sure that you are TASTEFUL. We need not experiment with any questionable sites to test our rules.

- Configure at least 2 clients to use the proxy. (You will have to import the exported CA to these clients). I used kali for one machine and just found the appropriate setting in firefox to import the new CA)
- Use Squid to do the following
  - Restrict access to `internetbadguys.com`.
  - Prove that when you visit an https enabled site, that your CA is showing.
- Install squidguard : You can kind of follow the tutorial [here](#) however I couldn't find any valid links to blacklists.
- Use squidguard to do the following:
  - create your own target categories list (put 4-5 different items in it)
  - under `common Acl`, deny access to those items from your target category list, allow all other
  - make sure squid/squidguard are blocking those sites.
- Explore 2 other options available to you in squid or squidguard. Document this.

To pass off

In a single pdf:

- proof that 2 clients are using the proxy
- proof that internetbadguys is blocked
- screenshot of cert when https site is visited
- screenshot of squidguard category list and proof that at least one item is blocked
- What you did for your other 2 options