Information and Digital Technologies
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Regarding PROXY services

On the LIBPROXY server, we have 2 drive partitions. Each running a different software package; 1 runs the Squid software (a.k.a. Deny proxy) and 1 runs the Ezproxy software.

The **Deny proxy** software exists so Reference Services workstations can be restricted from problem (i.e. email, games, and chat) websites. When it is ON, all websites are checked against the list of denied sites, and access to sites on the deny list are routed to a page telling the user that the page is denied. When it is OFF, access is open to the entire Internet.

Ezproxy software exists so Off-Campus users using REDID and PIN (PAC) are allowed access to restricted journals and databases. The addition of the PIN took place on May 29, 2007. Restricted databases and journals require their URLs to go through the Ezproxy software. Without that software on the LIBPROXY server being accessible, links from Infodome to those restricted databases and journals will be down.

If both Deny proxy and Ezproxy are not working, then the LIBPROXY server may have crashed. However, if only 1 of the 2 proxies is not working, then it is probably either software or a drive crash. Knowing whether 1 or both are not working is very helpful for IST troubleshooting.

A Deny Proxy Tool
To provide a solution tool for the Librarians and IST, there is a script page at http://webgate.sdsu.edu/proxy that allows anyone accessing it (with required account/password) to toggle the Deny Proxy between ON and OFF states. The script changes the configuration file that points the Reference Services workstations to the deny list. The page displays the following:

Deny Proxy is currently turned ON for all Reference Services public workstations.

CHANGE Deny Proxy setting.

Workstations must be restarted for change to take effect. Current contents of PROXY.PAC configuration file:

```
    function FindProxyForURL(url, host)
{
    if (isPlainHostName(host) ||
    dnsDomainIs(host, "infodome.sdsu.edu"))
    return "DIRECT";
  else
    return "PROXY libproxy.sdsu.edu:8000";
```

```
{
```

When it is ON, access to sites on the deny list is unavailable. To change the status of the Deny Proxy, just click the **CHANGE** button. The page will then display:

Deny Proxy is currently turned OFF for all Reference Services public workstations.

CHANGE *Deny Proxy setting.*

Workstations must be restarted for change to take effect. Current contents of PROXY.PAC configuration file:

```
    function FindProxyForURL(url, host)
{
    return "DIRECT";
}
```

When it is OFF, access is open to the entire Internet. To change the status of the Deny Proxy, just click the **CHANGE** button.