SETTING UP SQUID PROXY SERVER IN DMZ:

In this module, we have configured the Squid Proxy Server in DMZ.

Note: In the previous modules, we setup LAN and DMZ and configured the appropriate IPTABLES routing rules.

Steps involved in setting up Squid Proxy Server in DMZ:

1. Setup another workstation in DMZ to serve as a Squid Proxy Server and Install Webmin.
   a. Operating System Used: Lubuntu 15.04.
   b. Workstation Host Name: `msit-is`, Username: `dmz`.
   c. IPaddress: 192.168.1.53

2. Install Squid from Webmin.

3. Configure the Squid proxy server.

4. Access the Squid Proxy Server Interface in Webmin.

5. After configuring it successfully, edit the `/etc/squid3/squid.conf` file to allow all the http access to this proxy.

```
# INSERT YOUR OWN RULE(S) HERE TO ALLOW ACCESS FROM YOUR CLIENTS
#

# Example rule allowing access from your local networks.
# Adapt localnet in the ACL section to list your (internal) IP networks
# from where browsing should be allowed
#http_access allow localnet
http_access allow localhost

# And finally deny all other access to this proxy
http_access allow all
```

6. Now add a custom ACL to the Squid.

7. Create a Proxy restriction such that it denies all the requests pertaining to the recently added ACL.

8. Move the ACL to the top of the Proxy restriction list.

9. Now, back in the router, add an additional IPTABLES rule such that it routes the default traffic to the Squid Proxy Server in DMZ (192.168.1.53).

   Note: All the pre-required routing IPTABLES rules has been configured in the previous modules.
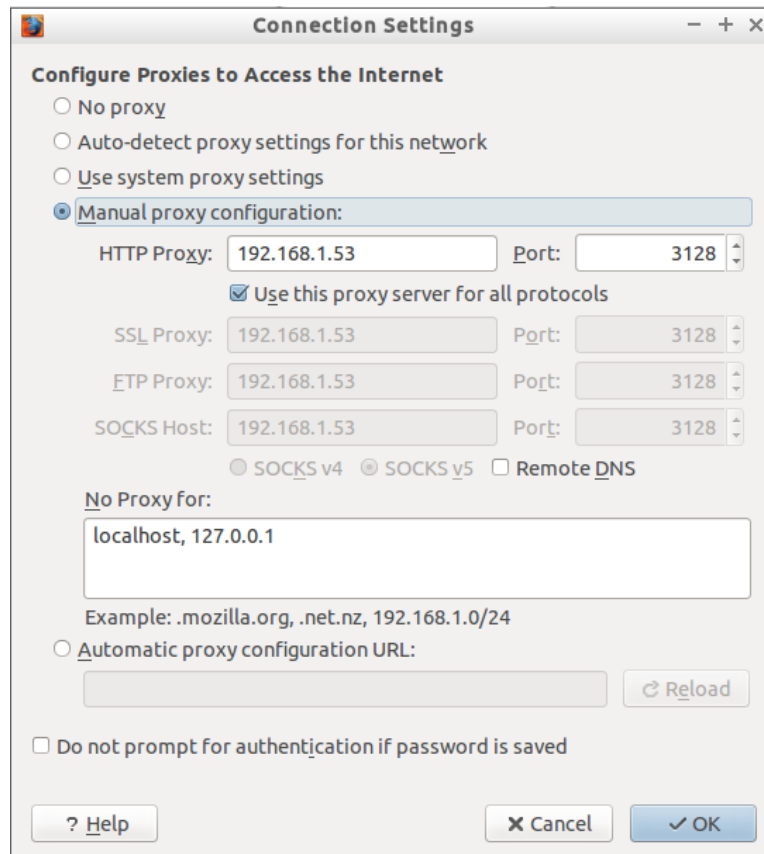

10. Now, start the squid server (192.168.1.53) in DMZ.

11. Add the proxy server setting in the browsers of the LAN users.

12. Results (LAN Users accessing Facebook Via Squid Proxy Server in DMZ):