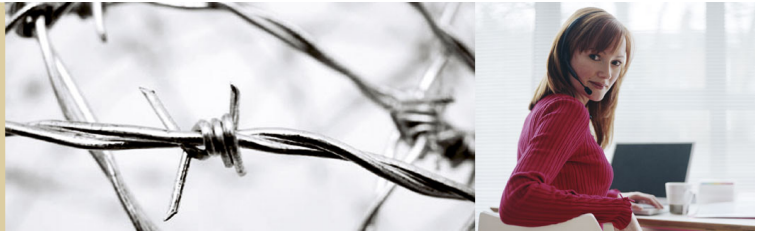


TrustGate as a Transparent Web Proxy



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Rev 01

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1 Scope

This document will show you how to make the TrustGate into a Transparent Web Proxy.

Note that Web Proxy is not available on all TrustGate Appliances. Search the Appliance online help for Web Proxy or the Web GUI for the menu item Firewall > Web Proxy.

2 Background

The usual method for filtering on URLs is to have each user configure the Web Browser to use a Web proxy (port 8080).

If you make the TrustGate a Transparent Web Proxy, no special configurations are needed on your users' Web Browsers. All port 80 traffic will be forwarded to the TrustGate internal Web Proxy where the URL filtering will be executed.

3 What is Transparent Web Proxy?

Search for the words "Transparent Web Proxy" on the Internet. A good place to start is here:

<http://tldp.org/HOWTO/TransparentProxy.html>.

3.1 No Page Caching

The Web Proxy is meant for URL filtering only. It is not the type of Web Proxy whose general purpose is to speed up the web traffic by caching the pages.

3.2 Firewall vs Transparent Web Proxy – IP vs URL level

In a nutshell: The firewall works on IP level while the Transparent Web proxy works on URL (Application) level.

3.3 Firewalling vs Proxying

Firewalling

If a web site is blocked in the Firewall (Forwarding) using a URL a static URL conversion will take place in the firewall. The URL is translated to an IP address or set of IP addresses.

Downside: If the URL changes its IP address over time this will not be updated in the firewall rule unless the appliance is rebooted.

Proxying

The Web Proxy will always look at the URL and doesn't care about the current IP address. It will block the URL no matter if the IP address has changed.

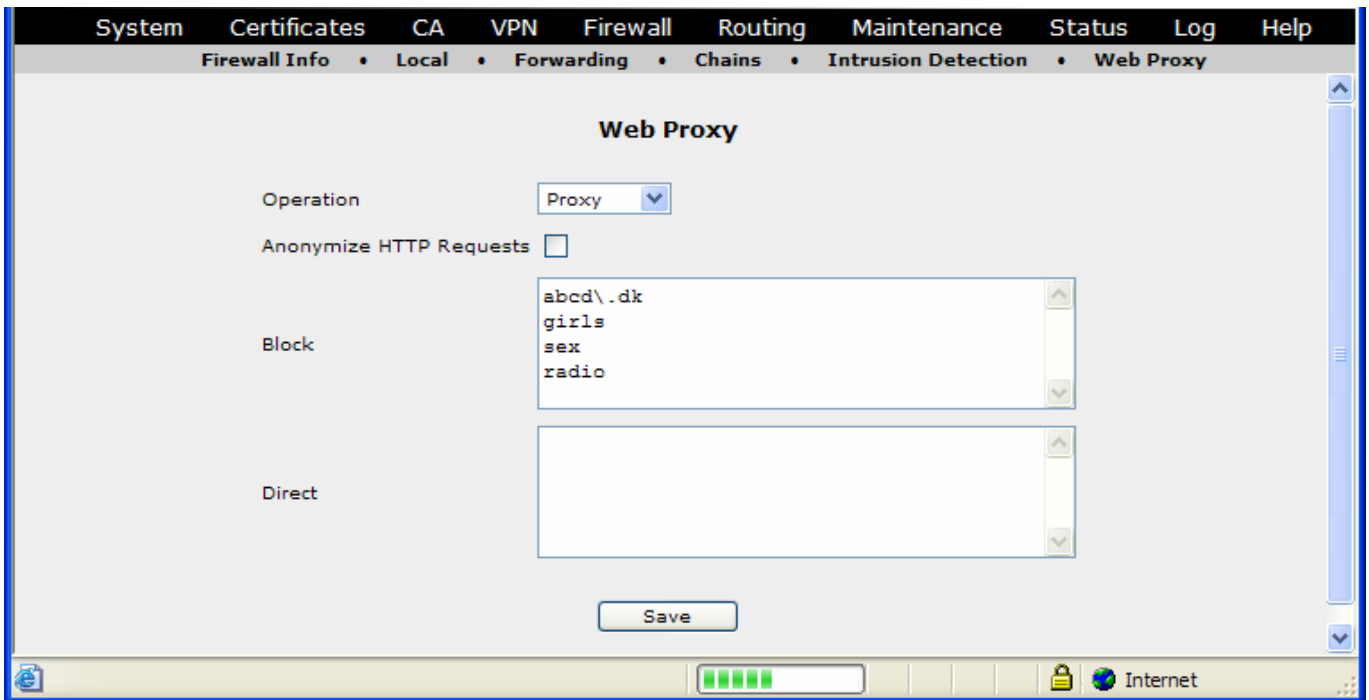
Downside: If a user types in the IP address of the URL it will in some cases be possible to bypass the Web Proxy. To prevent this from happening, you can either type in the IP address in the "block" list on the Web Proxy page – or make a separate firewall (forwarding) rule.

4 Scenario

You want every user on your local (LAN) subnet to get blocked if they try to browse web sites whose URL contains any of the following words: abcd.dk, girls, sex, radio

1. Enable the Web Proxy by filling out the Firewall > Web Proxy screen as shown.

Note that abcd.dk is written abcd\.dk (a dot is seen as a wildcard unless it is preceded by \.)



2 Create a Destination NAT rule as shown.

Action = Translate

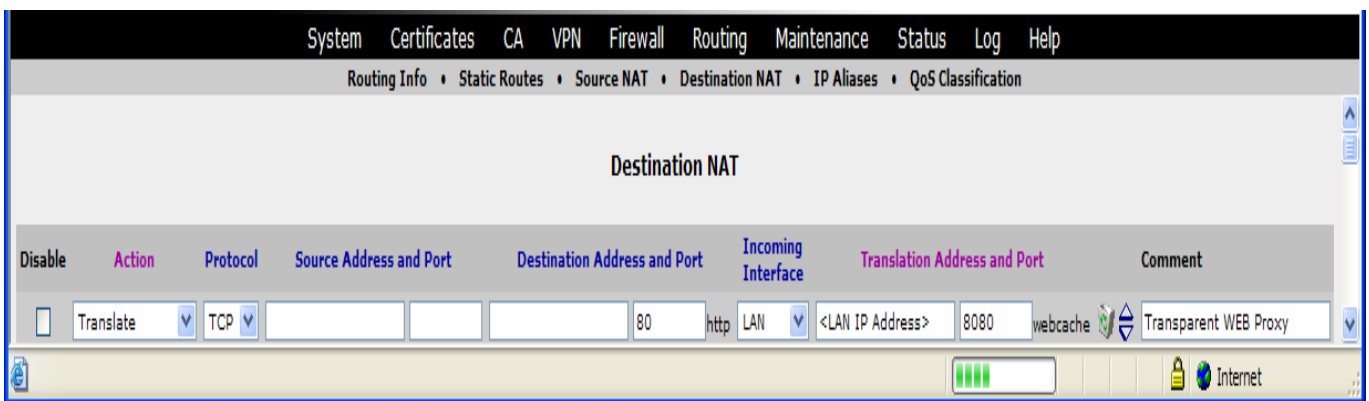
Protocol = TCP

Destination Port = 80

Incoming interface = LAN

Translation Address = <the Appliance's own LAN address>

Translation Port = 8080



3. Move the Destination NAT rule to the top of the list.

5 Notices

5.1 Websites and support

support@secomea.com

Corporate website: www.secomea.com

Product support portal: <http://www.secomea.com/Service-and-Support-85.aspx>

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