

WEB-BASED ADMINISTRATION OF IP TUNNELING ON INTERNET FIREWALLS

ABSTRACT

Administering tunneling on a firewall computer (100) between a secure computer network (120) and a nonsecure computer network (110) in a web based interface is disclosed. Tunnels are displayed as lines connecting icons representing network addresses. Selection of a line, brings up a selected tunnel definition in another pane or a list of filter rules applicable to the tunnel. An action on the selected tunnel definition may be performed. Queries can be run on a tunnel definition to determine whether any existing tunnel definitions match the entered tunnel definition, or whether there are any filter rules in effect for a given tunnel definition. Results of the query are displayed as a scatter bar (432) in another pane, wherein locations of matches are indicated by lines through the scatter bar. A small bar (434) is displayed proximate to the scatter bar indicating the position of the displayed list relative to a complete list.

Fig. 2

