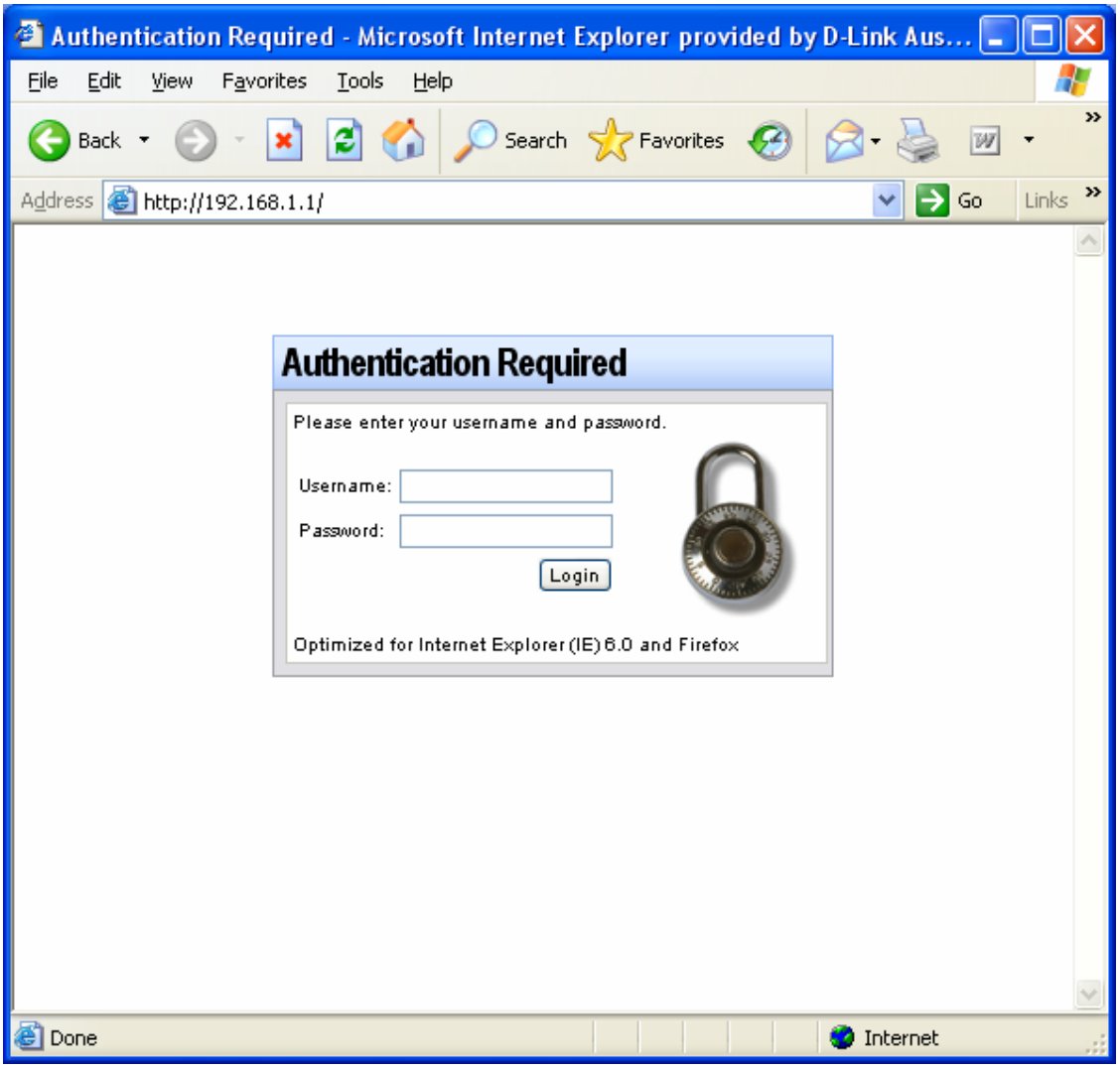
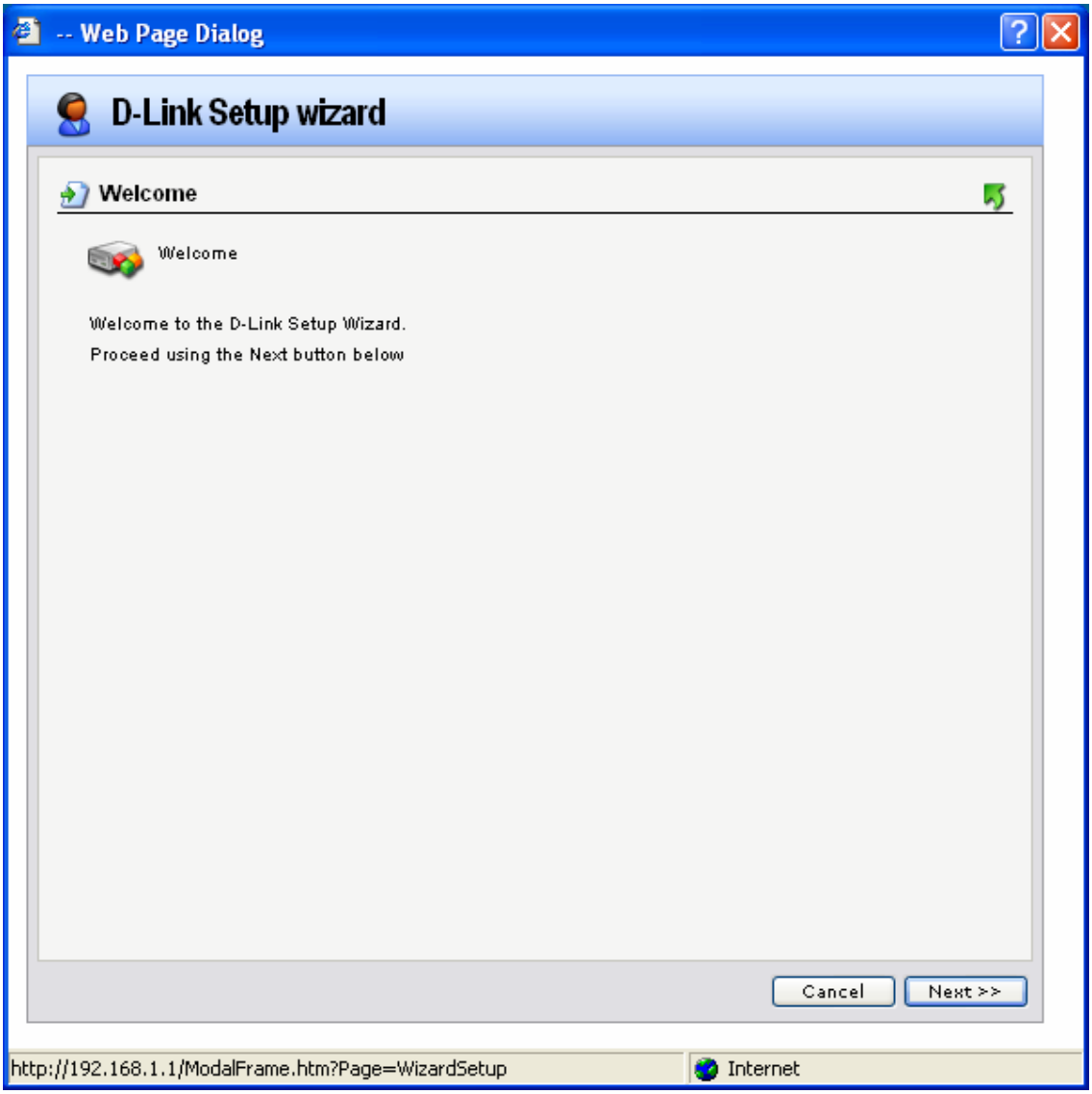
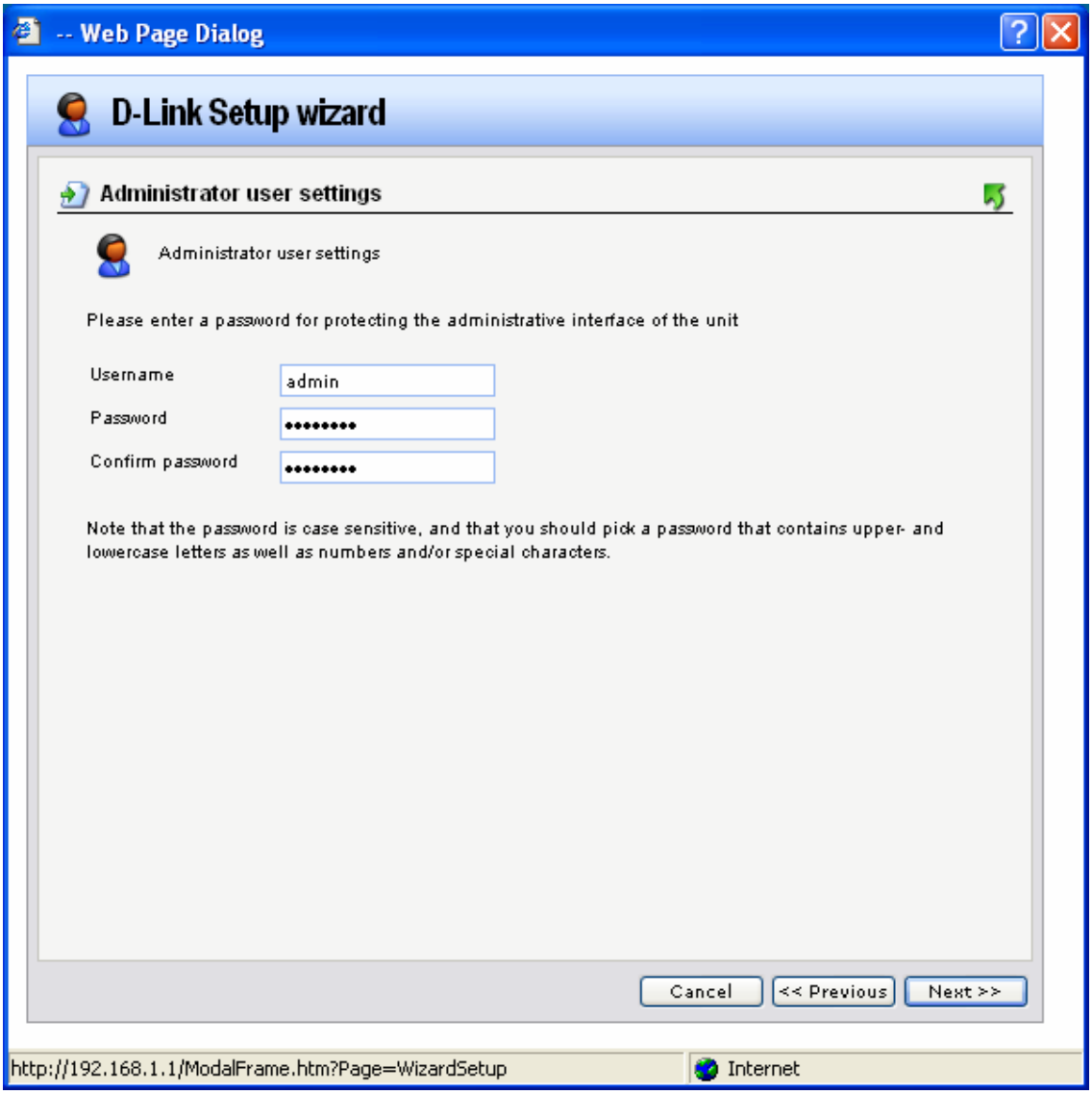
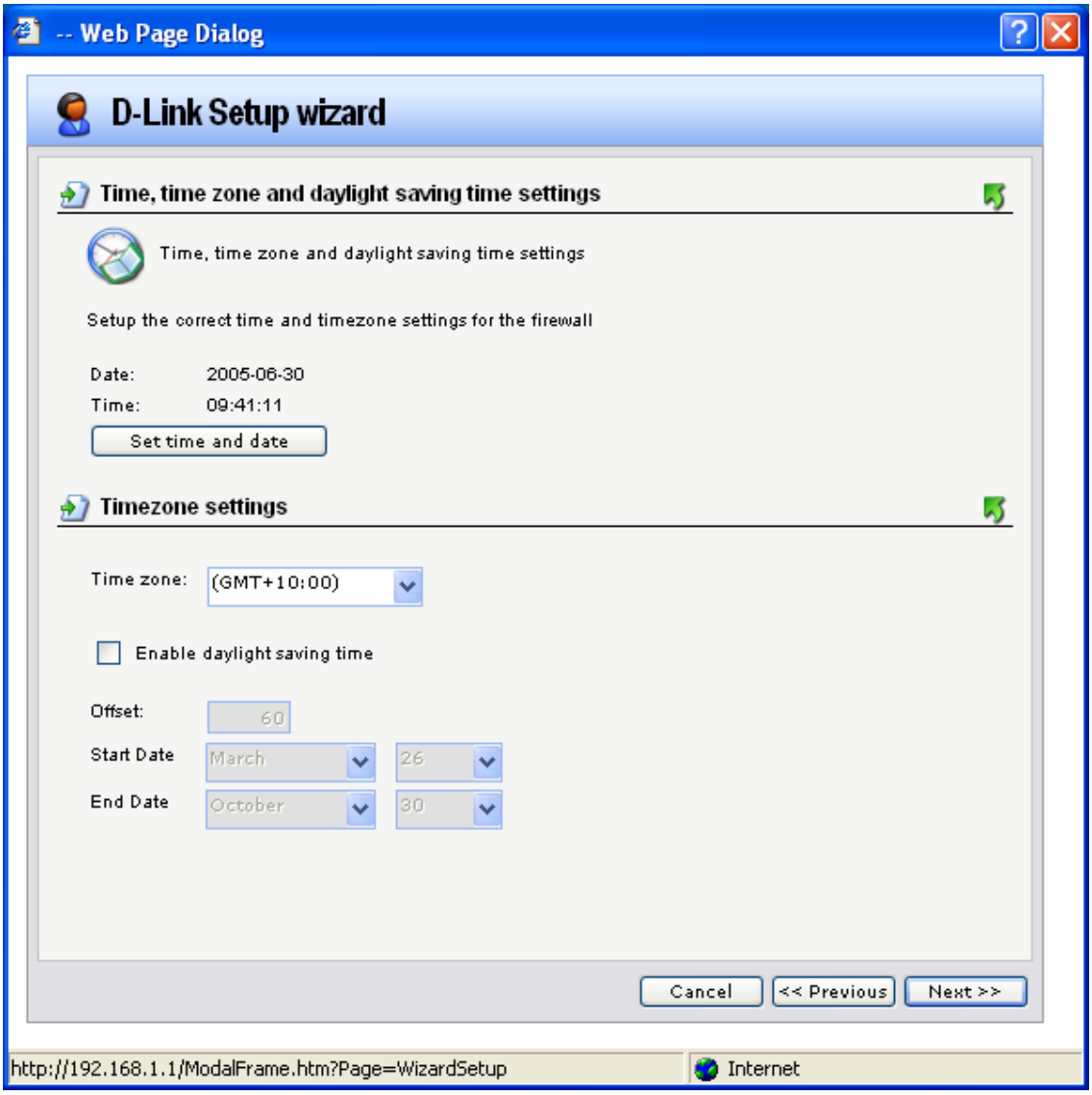
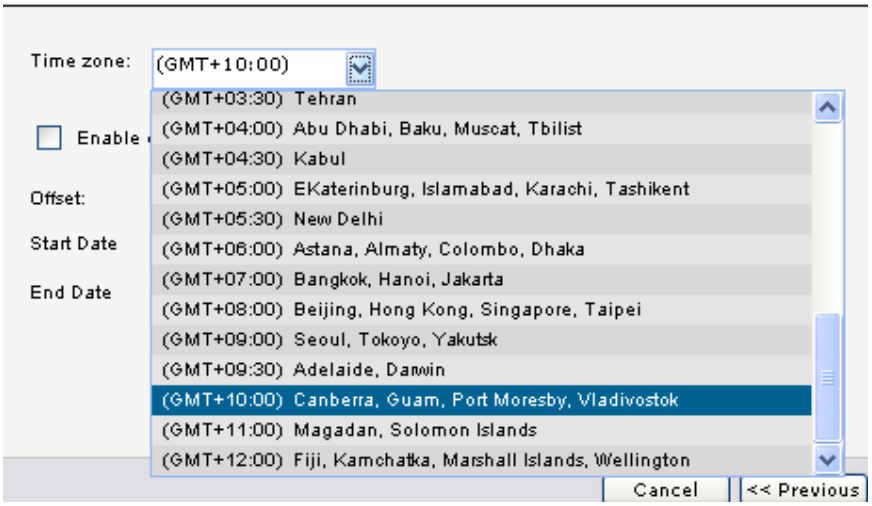
http://192.168.1.1
admin, admin

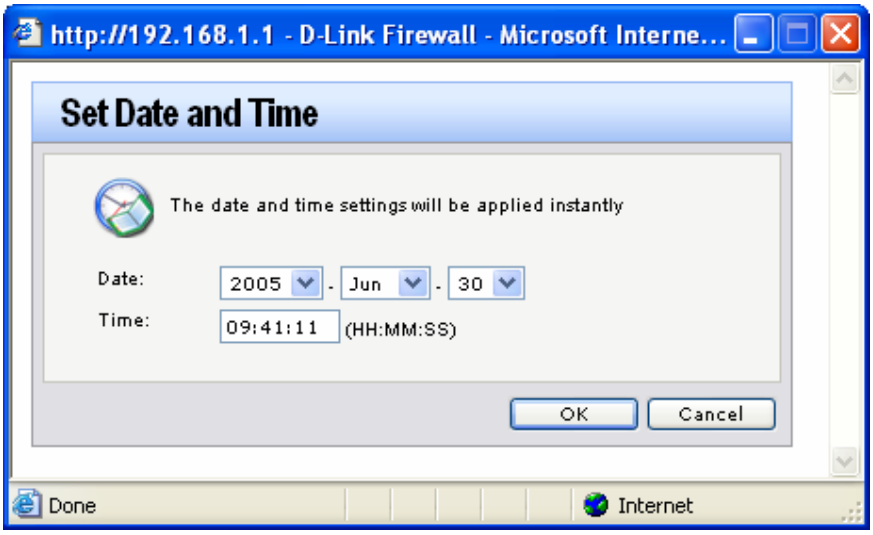


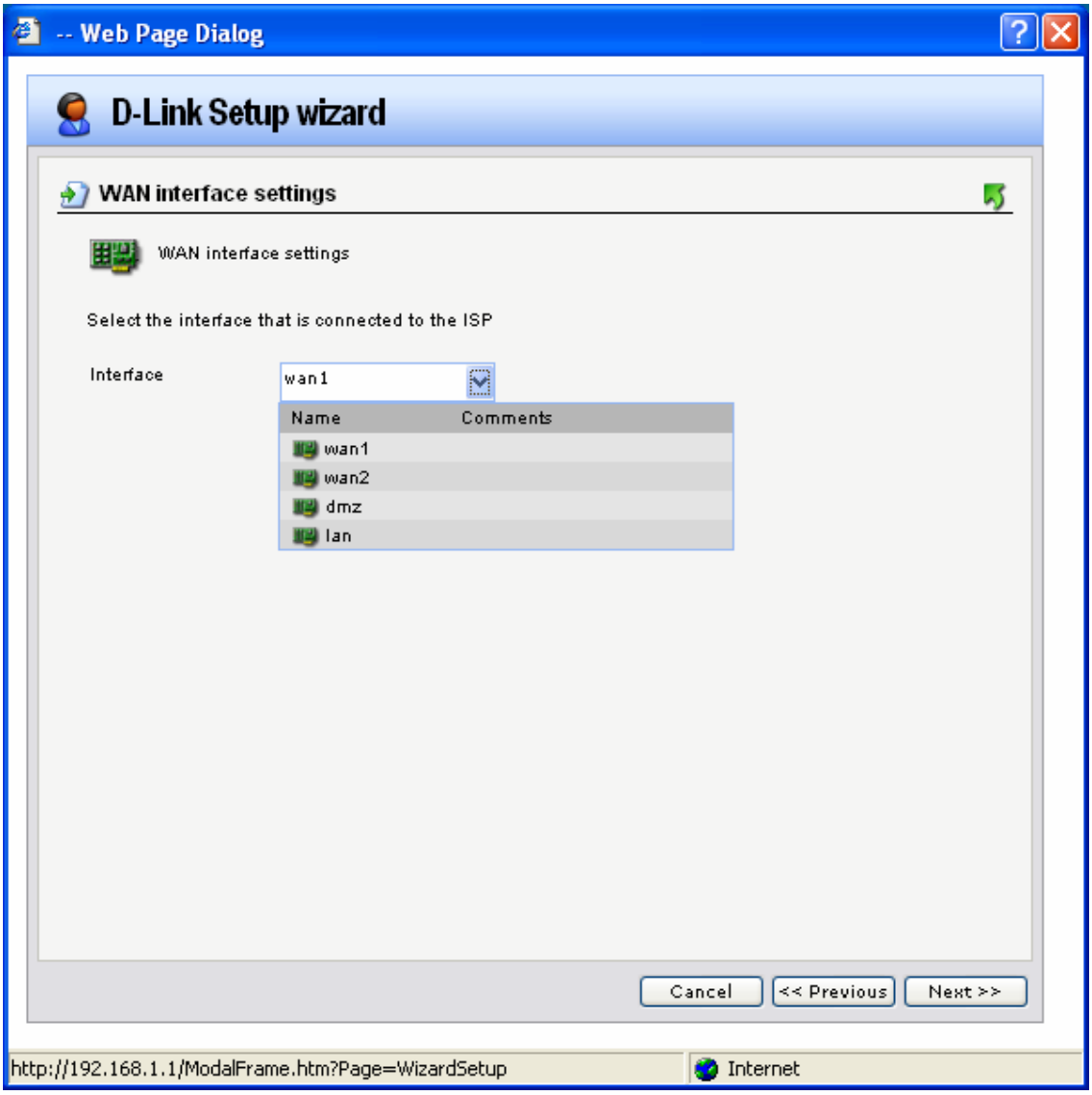

-- Web Page Dialog
D-Link Setup wizard
Welcome
Welcome
Welcome to the D-Link Setup Wizard.
Proceed using the Next button below
Cancel
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

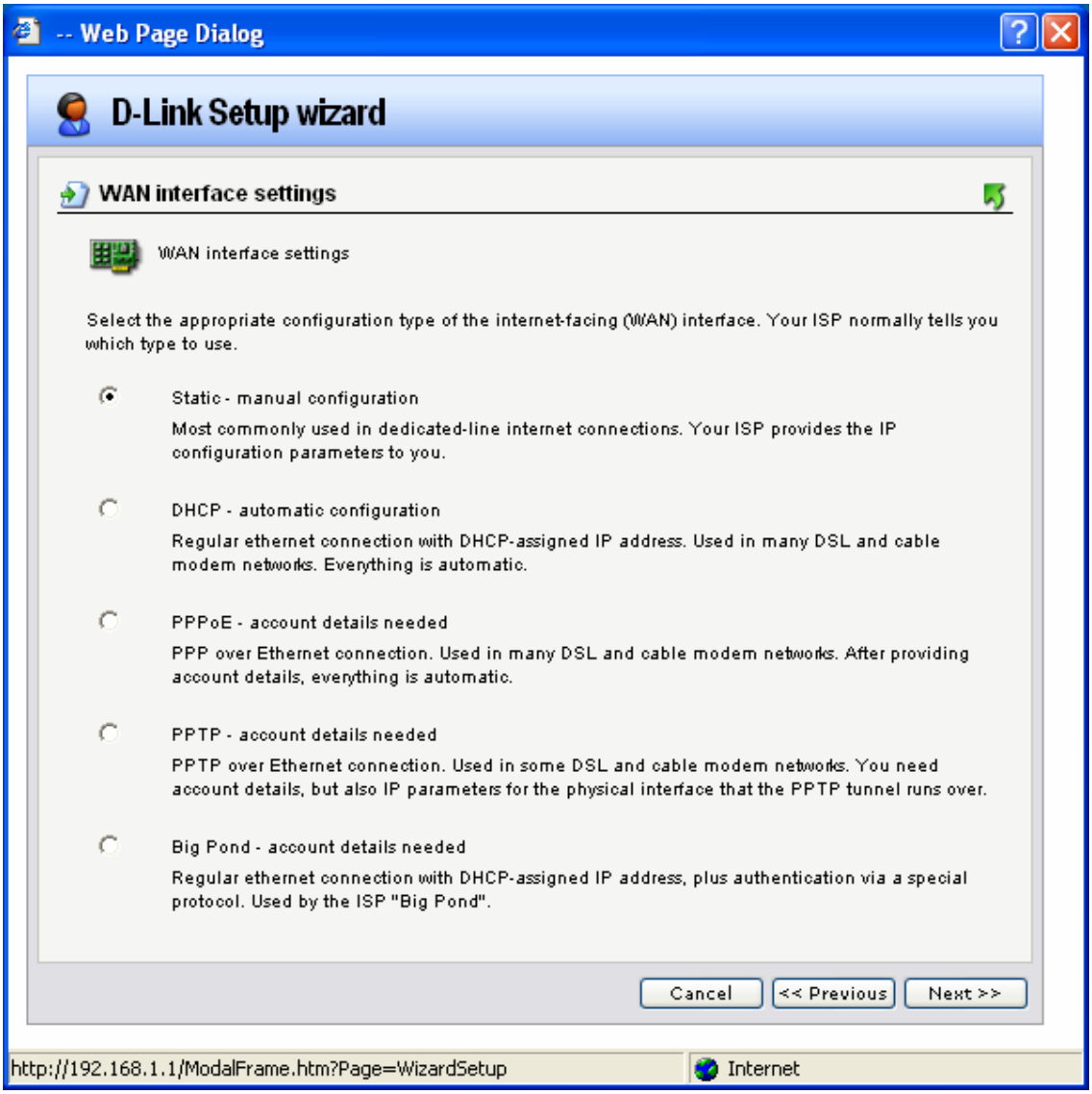

-- Web Page Dialog
D-Link Setup wizard
Administrator user settings
Administrator user settings
Please enter a password for protecting the administrative interface of the unit
Username
admin
Password
Confirm password
Note that the password is case sensitive, and that you should pick a password that contains upper- and lowercase letters as well as numbers and/or special characters.
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

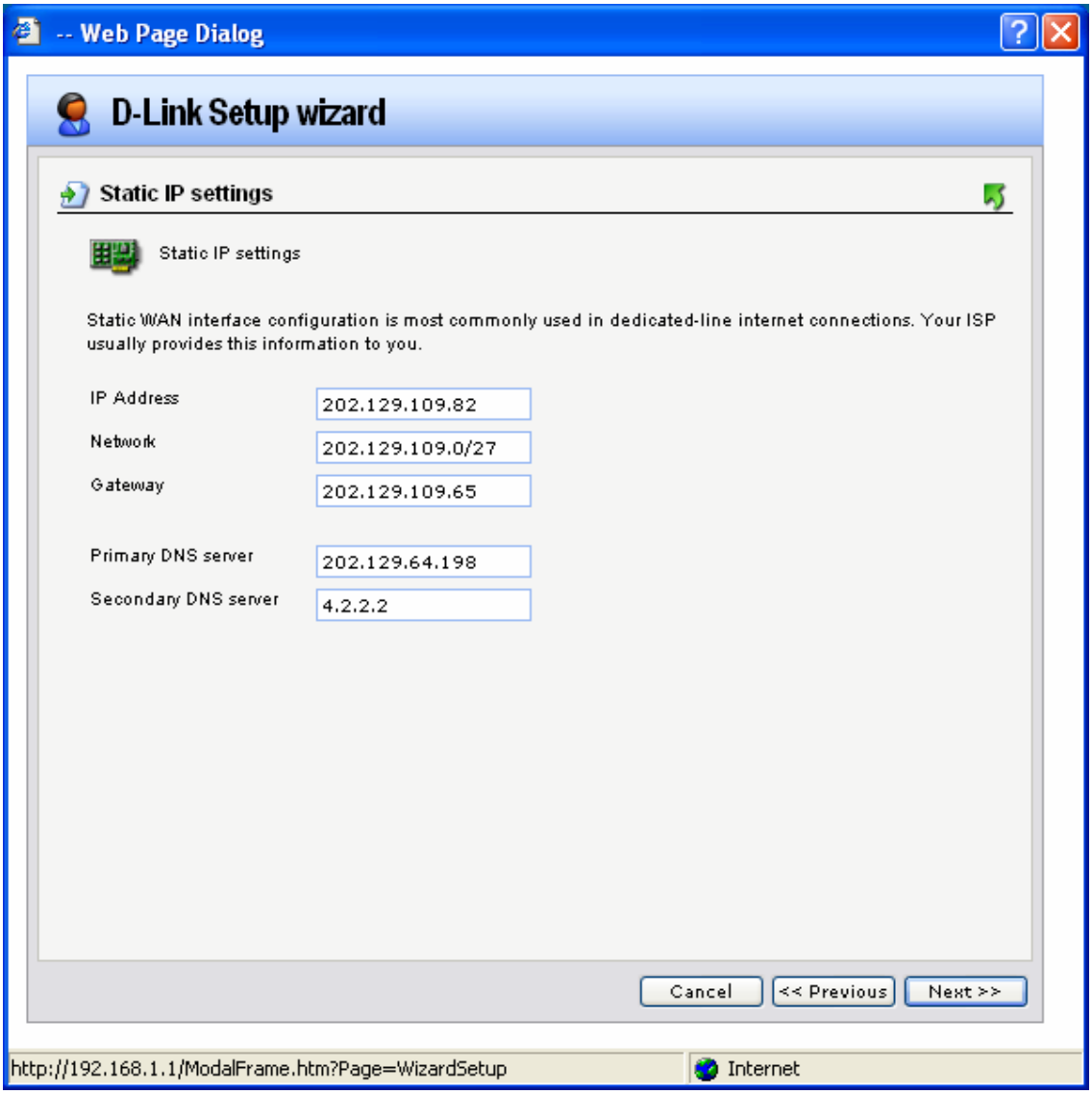

-- Web Page Dialog
D-Link Setup wizard
Time, time zone and daylight saving time settings
Time, time zone and daylight saving time settings
Setup the correct time and timezone settings for the firewall
Date: 2005-06-30
Time: 09:41:11
Set time and date
Timezone settings
Time zone: (GMT+10:00)
Enable daylight saving time
Offset: 60
Start Date March 26
End Date October 30
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

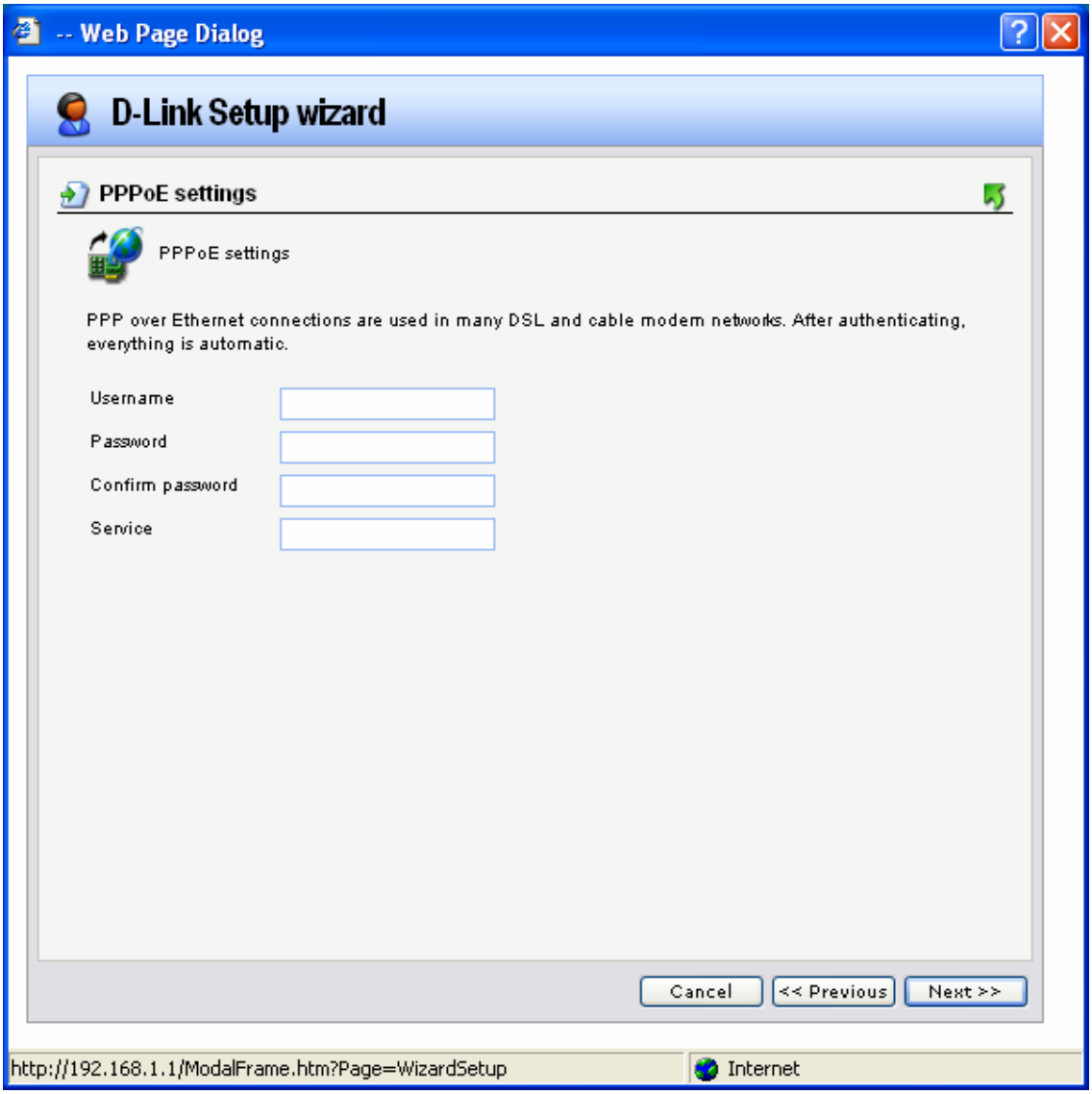

Time zone: (GMT+10:00)
Enable
Offset:
Start Date
End Date
(GMT+03:30) Tehran
(GMT+04:00) Abu Dhabi, Baku, Muscat, Tbilist
(GMT+04:30) Kabul
(GMT+05:00) EKaterinburg, Islamabad, Karachi, Tashikent
(GMT+05:30) New Delhi
(GMT+06:00) Astana, Almaty, Colombo, Dhaka
(GMT+07:00) Bangkok, Hanoi, Jakarta
(GMT+08:00) Beijing, Hong Kong, Singapore, Taipei
(GMT+09:00) Seoul, Tokoyo, Yakutsk
(GMT+09:30) Adelaide, Darwin
(GMT+10:00) Canberra, Guam, Port Moresby, Vladivostok
(GMT+11:00) Magadan, Solomon Islands
(GMT+12:00) Fiji, Kamchatka, Marshall Islands, Wellington
Cancel
<< Previous

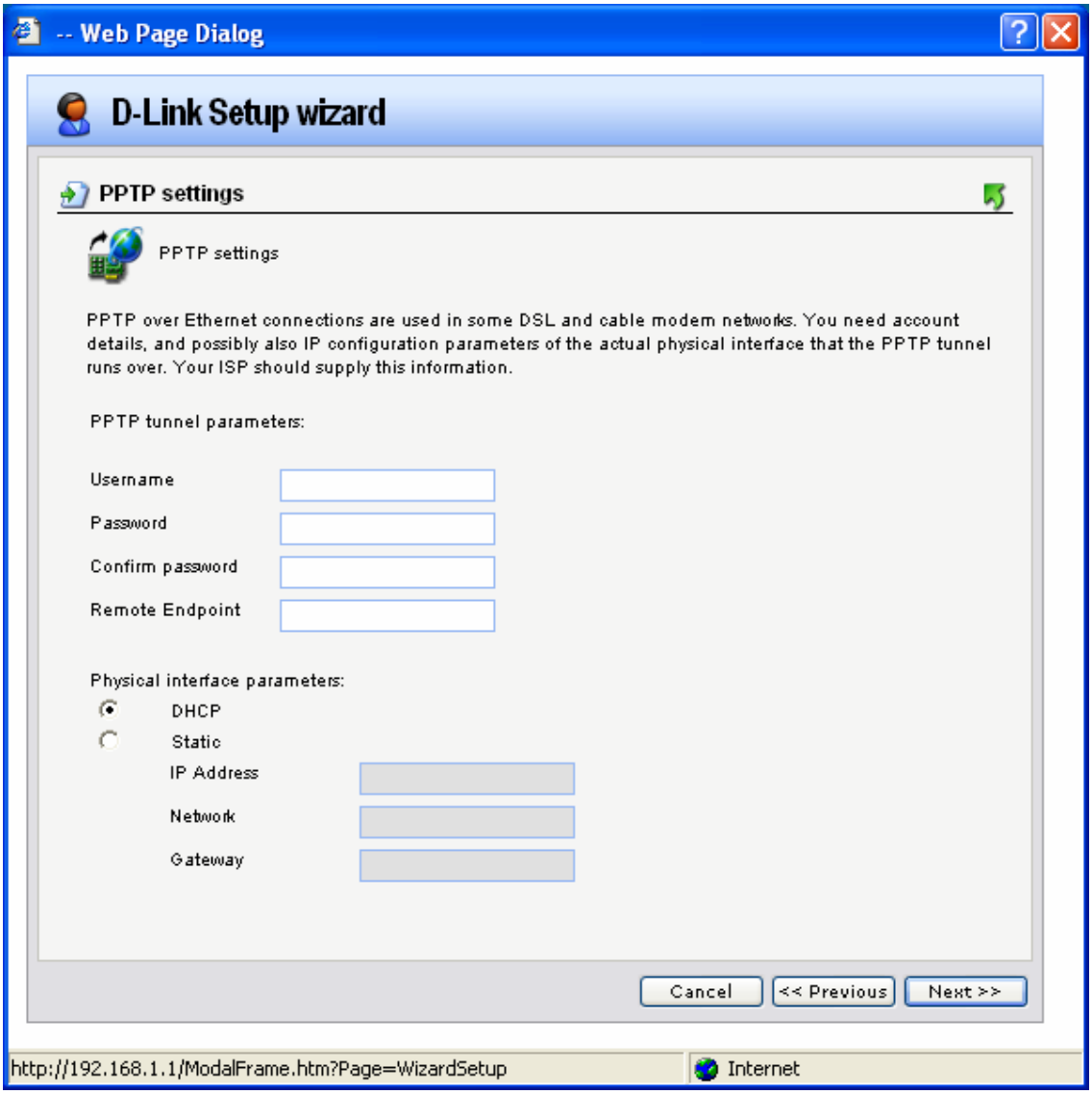

http://192.168.1.1 - D-Link Firewall - Microsoft Interne...
Set Date and Time
The date and time settings will be applied instantly
Date:
2005
Jun
30
Time:
09:41:11
(HH:MM:SS)
OK
Cancel
Done
Internet

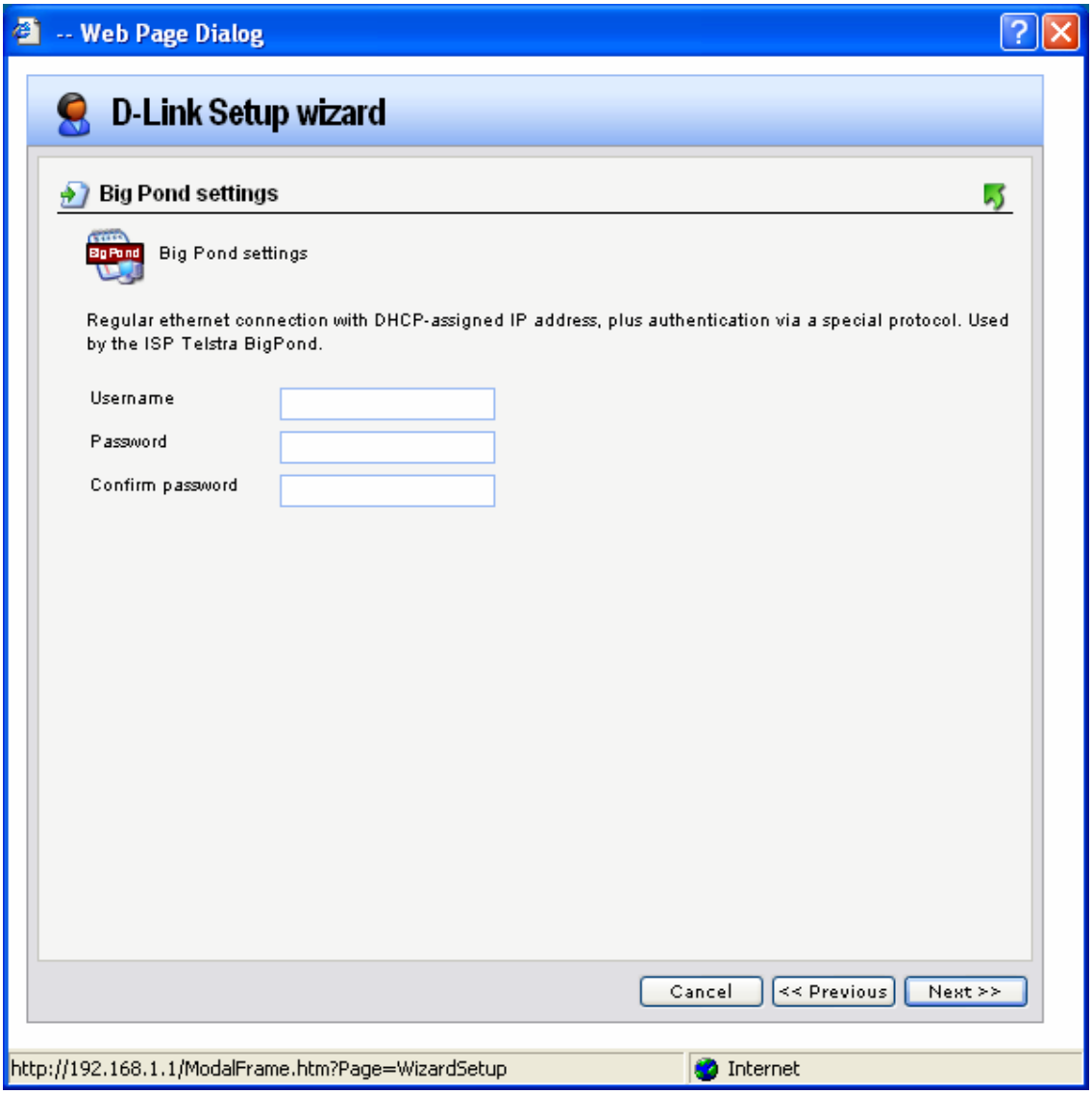

-- Web Page Dialog
D-Link Setup wizard
WAN interface settings
WAN interface settings
Select the interface that is connected to the ISP
Interface
wan1
Name
Comments
wan1
wan2
dmz
lan
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

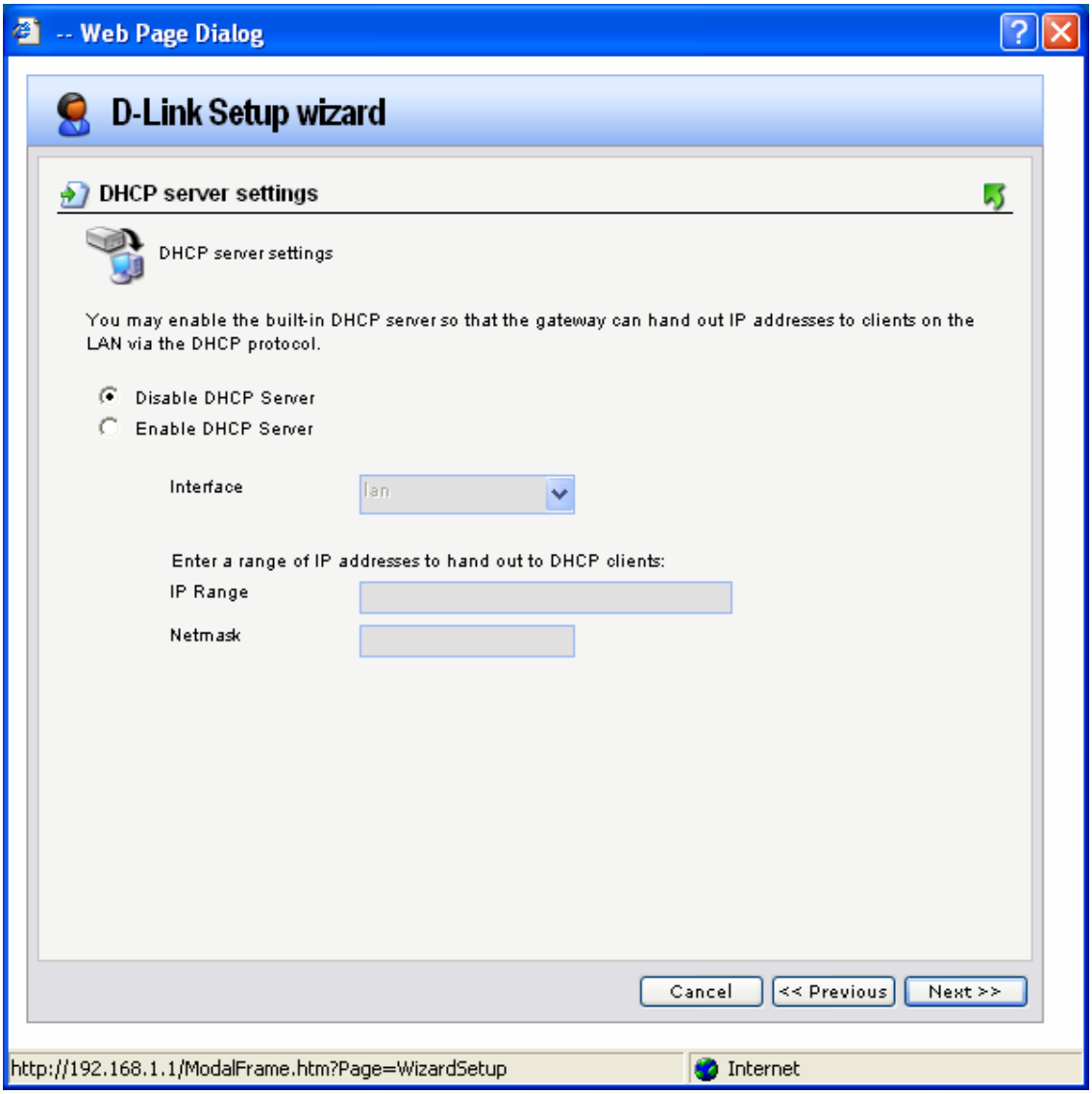

-- Web Page Dialog
D-Link Setup wizard
WAN interface settings
WAN interface settings
Select the appropriate configuration type of the internet-facing (WAN) interface. Your ISP normally tells you which type to use.
Static - manual configuration
Most commonly used in dedicated-line internet connections. Your ISP provides the IP configuration parameters to you.
DHCP - automatic configuration
Regular ethernet connection with DHCP-assigned IP address. Used in many DSL and cable modem networks. Everything is automatic.
PPPoE - account details needed
PPP over Ethernet connection. Used in many DSL and cable modem networks. After providing account details, everything is automatic.
PPTP - account details needed
PPTP over Ethernet connection. Used in some DSL and cable modem networks. You need account details, but also IP parameters for the physical interface that the PPTP tunnel runs over.
Big Pond - account details needed
Regular ethernet connection with DHCP-assigned IP address, plus authentication via a special protocol. Used by the ISP "Big Pond".
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

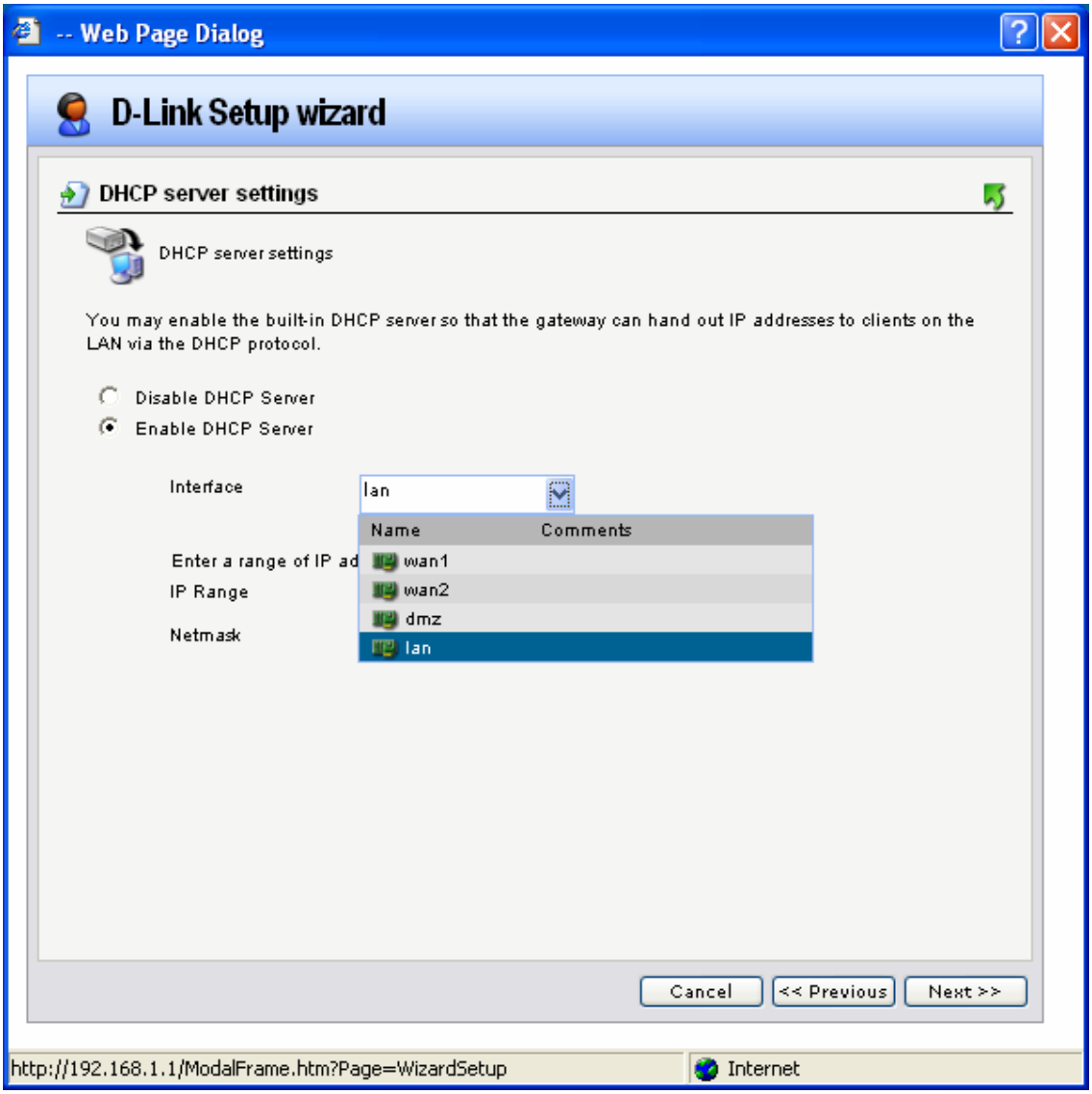

-- Web Page Dialog
D-Link Setup wizard
Static IP settings
Static IP settings
Static WAN interface configuration is most commonly used in dedicated-line internet connections. Your ISP usually provides this information to you.
IP Address
202.129.109.82
Network
202.129.109.0/27
Gateway
202.129.109.65
Primary DNS server
202.129.64.198
Secondary DNS server
4.2.2.2
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

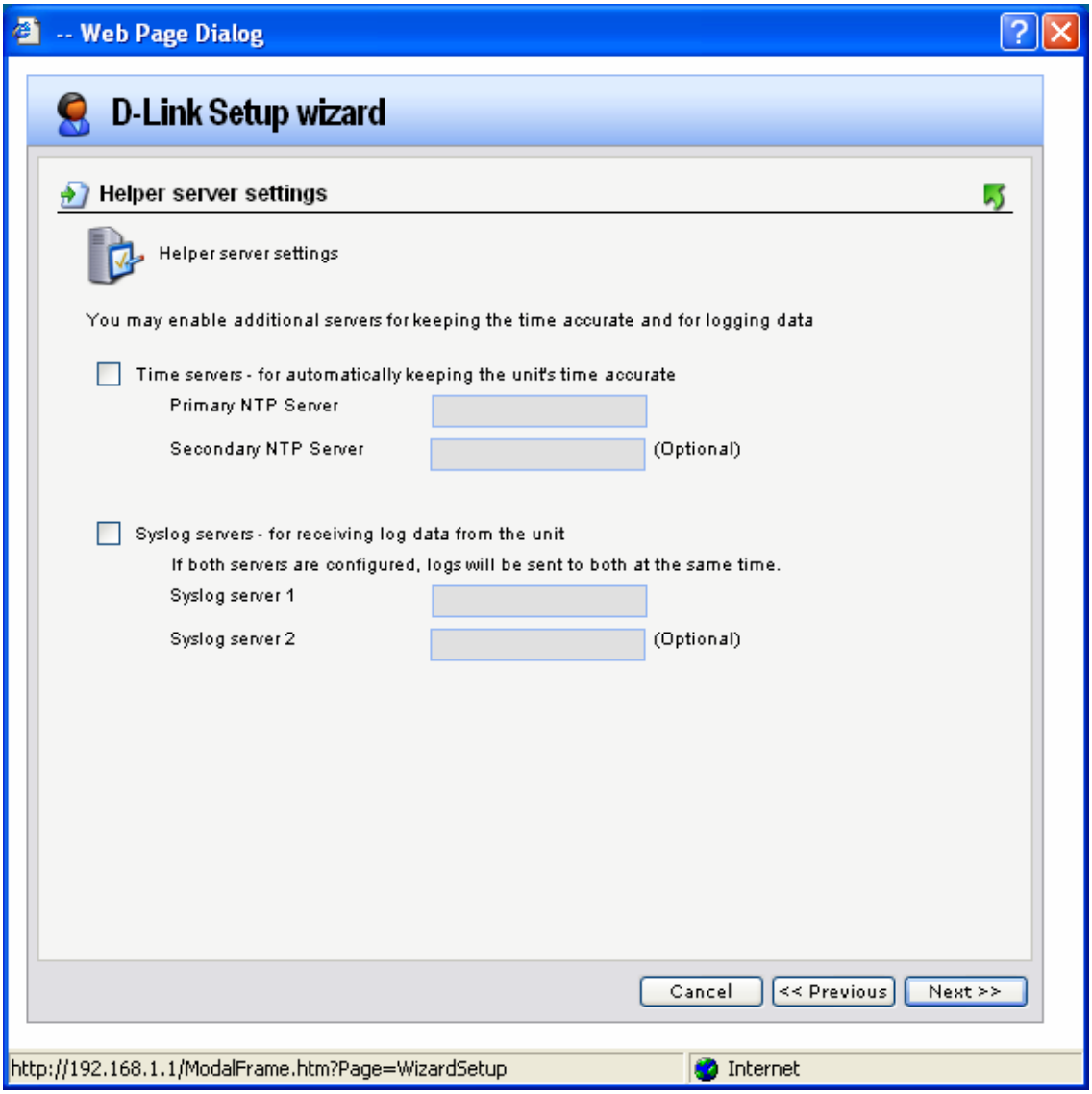

-- Web Page Dialog
D-Link Setup wizard
PPPoE settings
PPPoE settings
PPP over Ethernet connections are used in many DSL and cable modem networks. After authenticating, everything is automatic.
Username
Password
Confirm password
Service
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

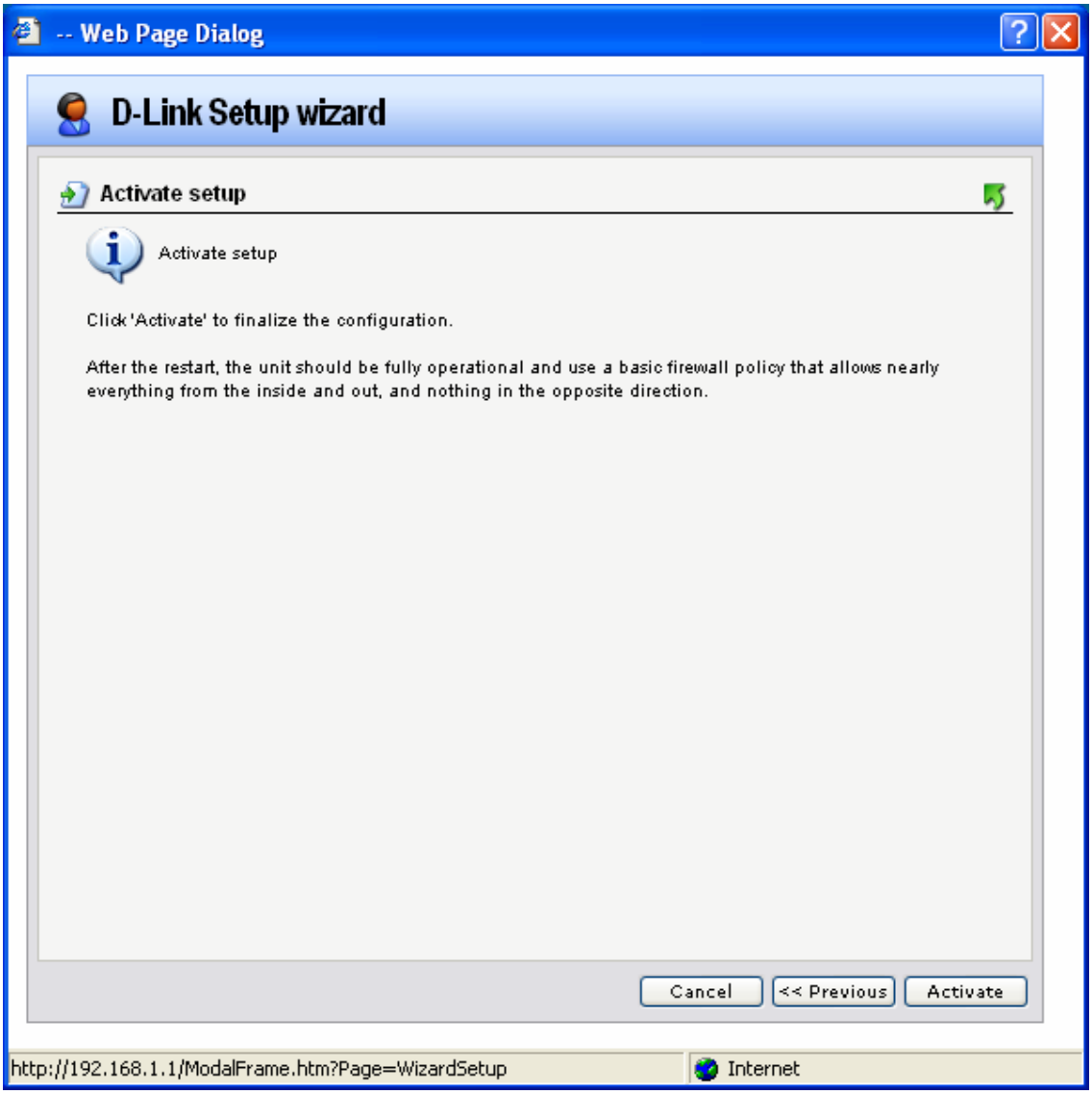

-- Web Page Dialog
D-Link Setup wizard
PPTP settings
PPTP settings
PPTP over Ethernet connections are used in some DSL and cable modem networks. You need account details, and possibly also IP configuration parameters of the actual physical interface that the PPTP tunnel runs over. Your ISP should supply this information.
PPTP tunnel parameters:
Username
Password
Confirm password
Remote Endpoint
Physical interface parameters:
DHCP
Static
IP Address
Network
Gateway
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

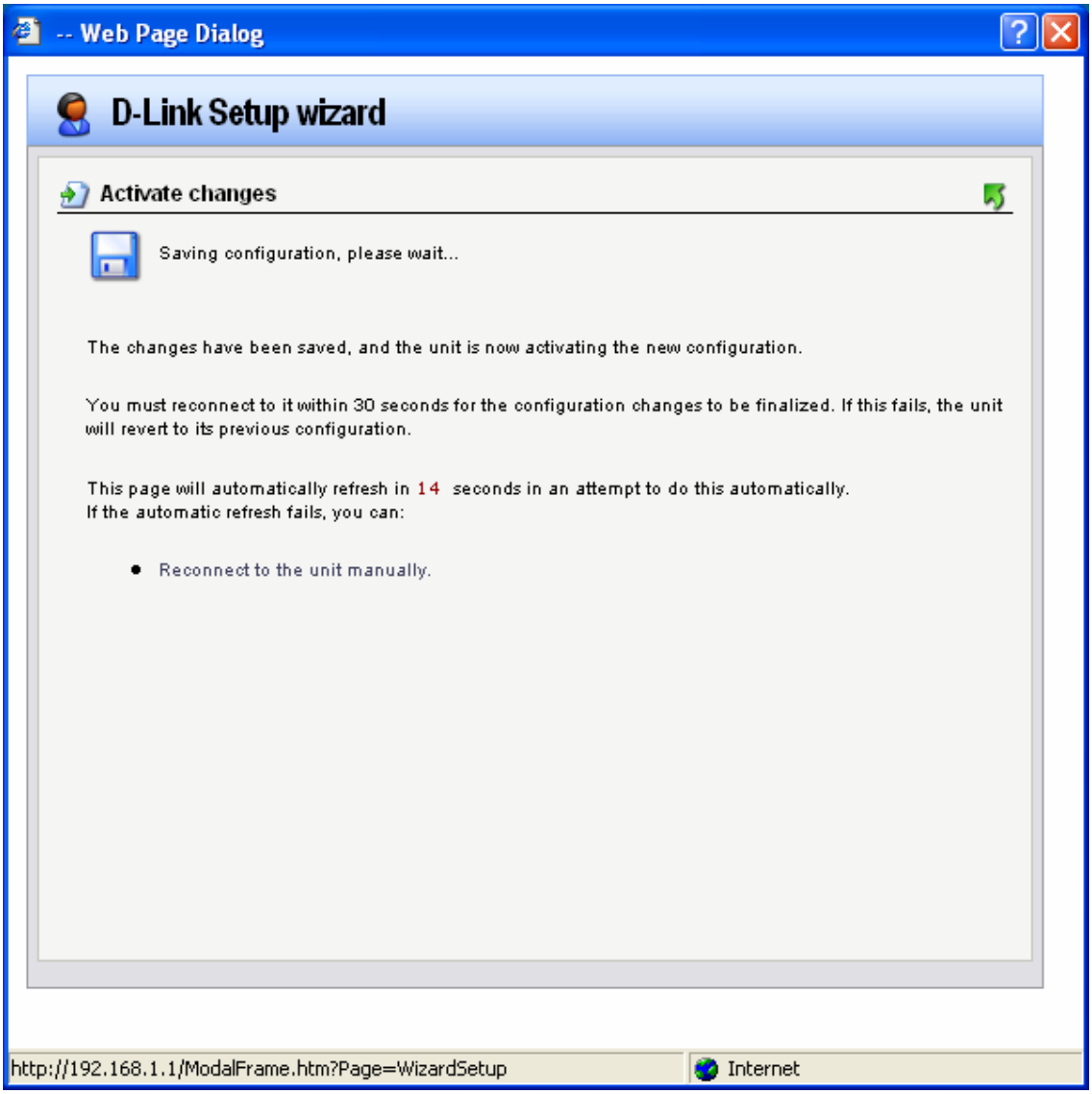

-- Web Page Dialog
D-Link Setup wizard
Big Pond settings
Big Pond settings
Regular ethernet connection with DHCP-assigned IP address, plus authentication via a special protocol. Used by the ISP Telstra BigPond.
Username
Password
Confirm password
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

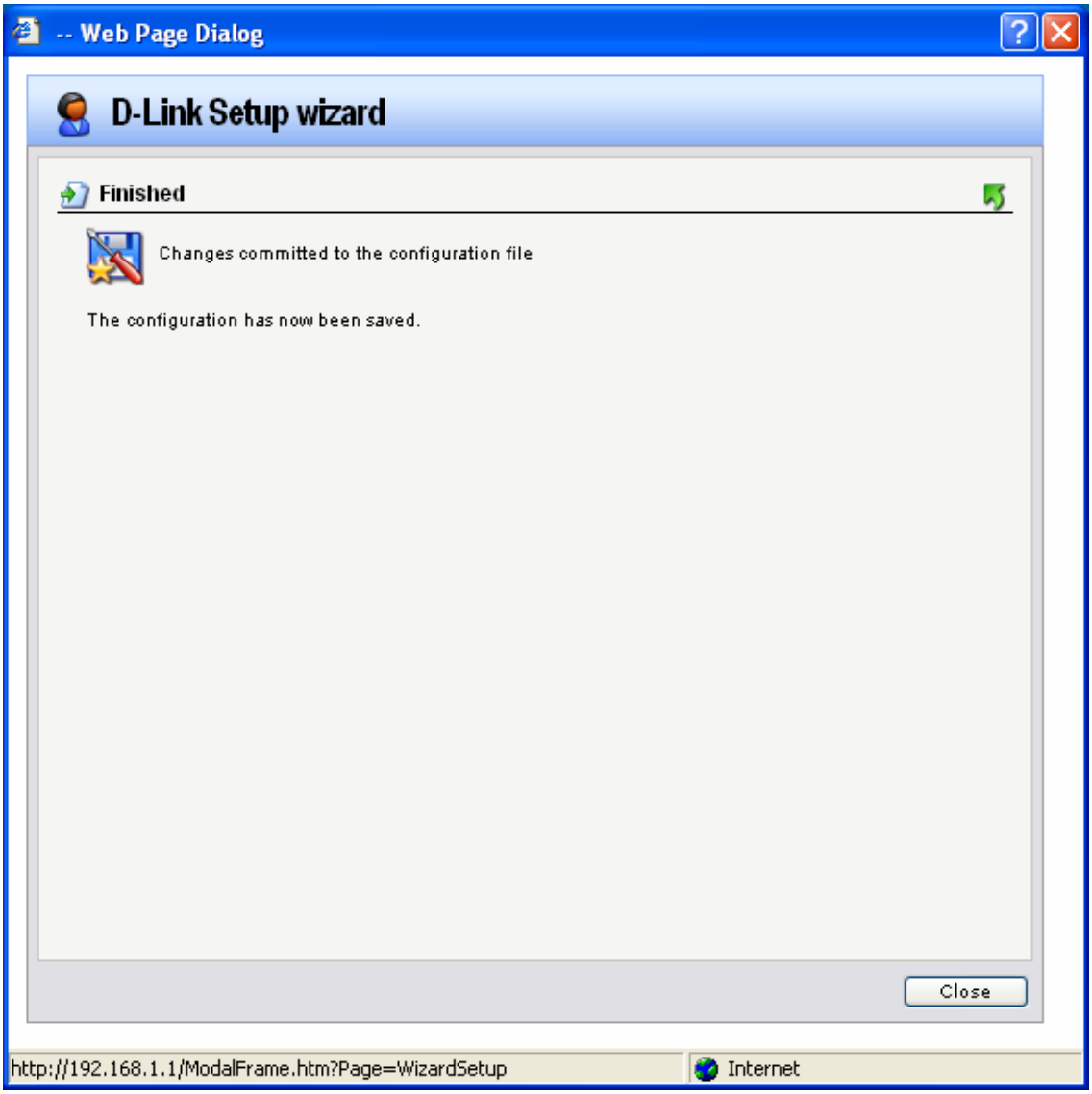

-- Web Page Dialog
D-Link Setup wizard
DHCP server settings
DHCP server settings
You may enable the built-in DHCP server so that the gateway can hand out IP addresses to clients on the LAN via the DHCP protocol.
Disable DHCP Server
Enable DHCP Server
Interface
lan
Enter a range of IP addresses to hand out to DHCP clients:
IP Range
Netmask
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet


-- Web Page Dialog
D-Link Setup wizard
DHCP server settings
DHCP server settings
You may enable the built-in DHCP server so that the gateway can hand out IP addresses to clients on the LAN via the DHCP protocol.
Disable DHCP Server
Enable DHCP Server
Interface
lan
Name
Comments
wan1
wan2
dmz
lan
Enter a range of IP ad
IP Range
Netmask
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

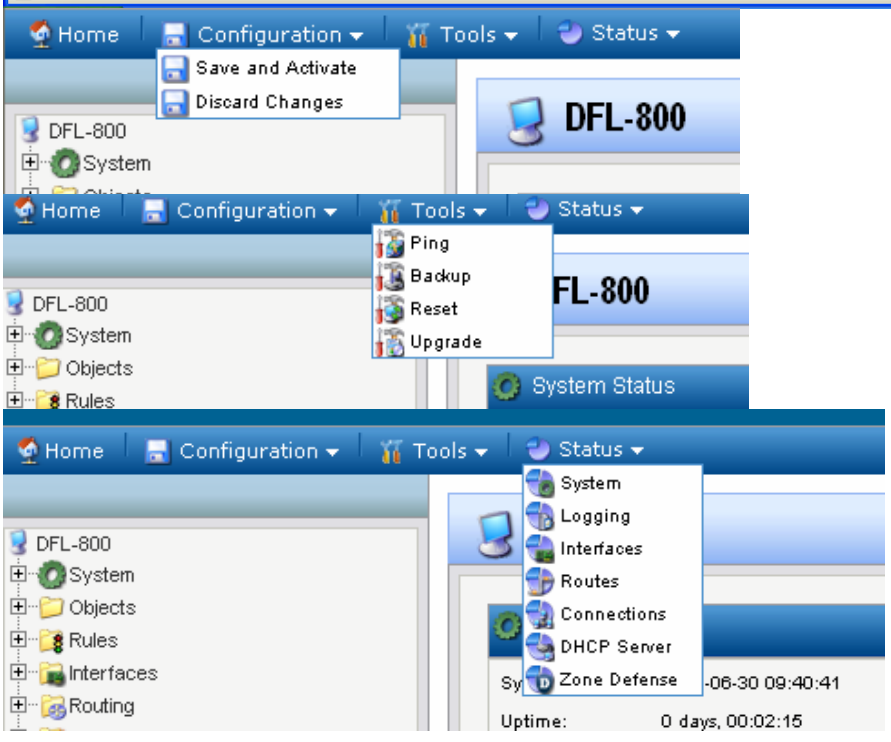

-- Web Page Dialog
D-Link Setup wizard
Helper server settings
Helper server settings
You may enable additional servers for keeping the time accurate and for logging data
Time servers - for automatically keeping the unit's time accurate
Primary NTP Server
Secondary NTP Server
(Optional)
Syslog servers - for receiving log data from the unit
If both servers are configured, logs will be sent to both at the same time.
Syslog server 1
Syslog server 2
(Optional)
Cancel
<< Previous
Next >>
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

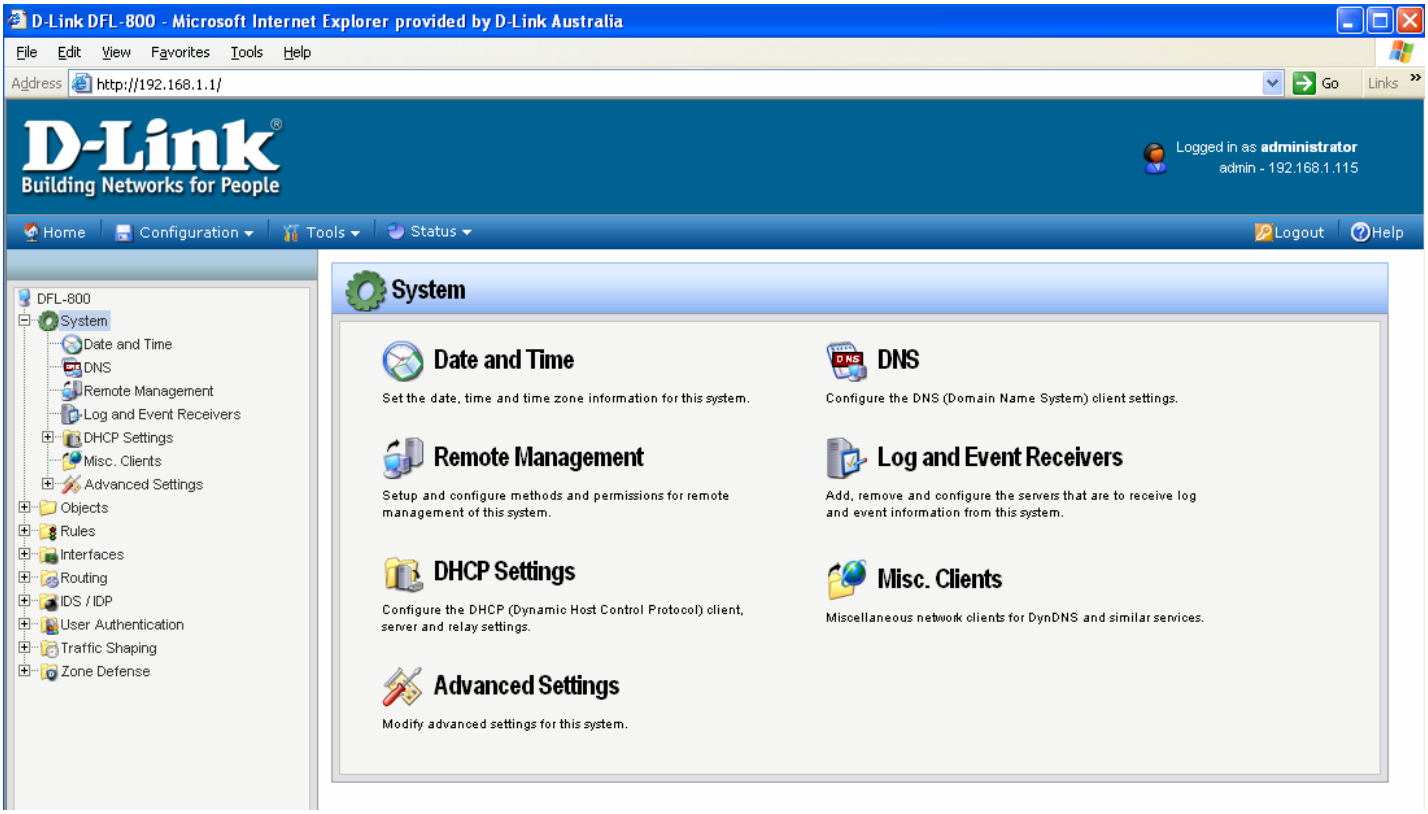

-- Web Page Dialog
D-Link Setup wizard
Activate setup
Activate setup
Click 'Activate' to finalize the configuration.
After the restart, the unit should be fully operational and use a basic firewall policy that allows nearly everything from the inside and out, and nothing in the opposite direction.
Cancel
<< Previous
Activate
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

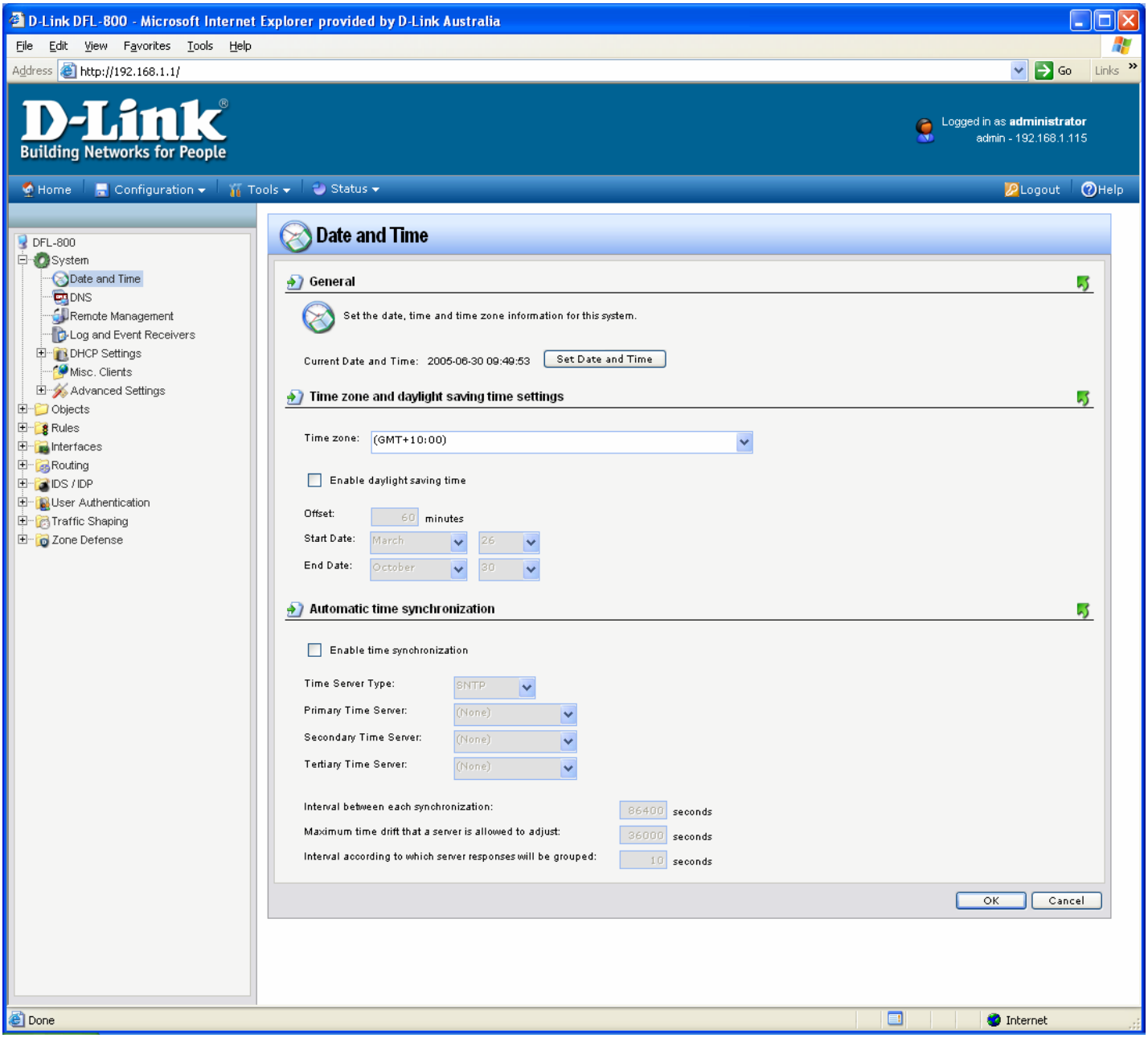

-- Web Page Dialog
D-Link Setup wizard
Activate changes
Saving configuration, please wait...
The changes have been saved, and the unit is now activating the new configuration.
You must reconnect to it within 30 seconds for the configuration changes to be finalized. If this fails, the unit will revert to its previous configuration.
This page will automatically refresh in 14 seconds in an attempt to do this automatically.
If the automatic refresh fails, you can:
Reconnect to the unit manually.
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

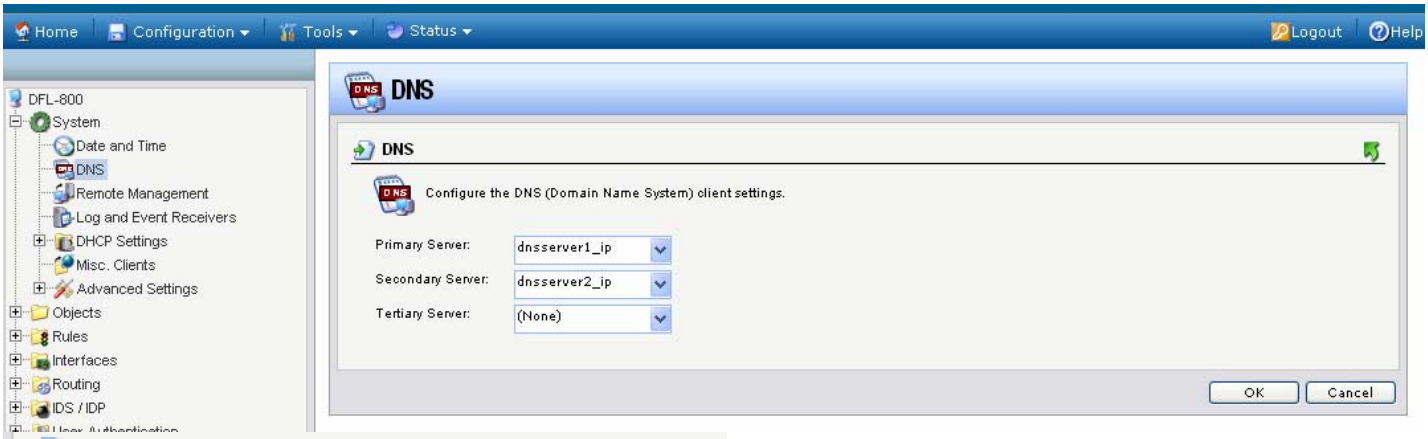

-- Web Page Dialog
D-Link Setup wizard
Finished
Changes committed to the configuration file
The configuration has now been saved.
Close
http://192.168.1.1/ModalFrame.htm?Page=WizardSetup
Internet

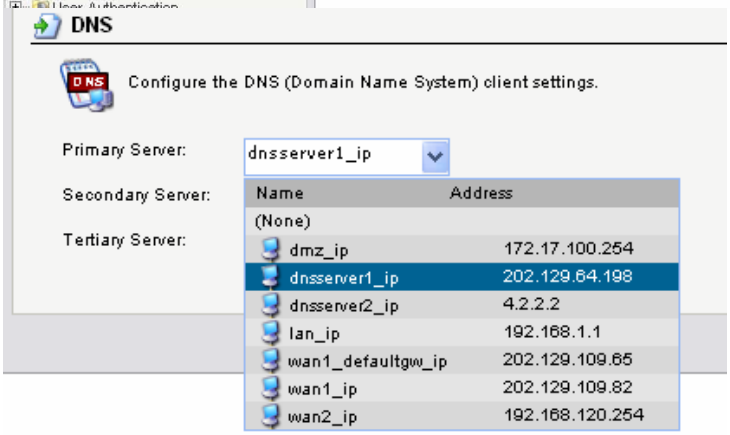

D-Link DFL-800 - Microsoft Internet Explorer provided by D-Link Australia
File Edit View Favorites Tools Help
Address http://192.168.1.1/
Go
Links
D-Link
Building Networks for People
Logged in as administrator
admin - 192.168.1.115
Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
DFL-800
System Status
System Time: 2005-06-30 09:40:41
Uptime: 0 days, 00:02:15
Configuration: Version 1
Firmware Version: 2.00.00 May 11 2005
Last Restart: 2005-06-30 09:37:07: Reset to factory defaults requested from WebUI.
IDS Signatures: 275 signatures in DB, last changed 2005-04-28 14:42:53 Autoupdate disabled - no IDS Rules configured.
Resources
CPU Load: 7%
RAM: 34 / 128 MB
Connections: 5 / 25000
IPsec: 0 / 300
PPP: 0 / 300
VLAN: 0 / 16
Rules: 5 / 1000
Overview
System
View and modify system parameters, such as date and time settings, logging and remote management.
Objects
The object section contains symbolic names for objects commonly used in other parts of the system configuration.
Rules
Manage the various network traffic rules, such as Ethernet and IP rules, in the system.
Interfaces
Interfaces are physical or logical endpoints (such as virtual LAN interfaces or VPN tunnels) for network traffic.
Routing
Configure the routing capabilities of the system, including dynamic and policy-based routing.
IDS / IDP
Configure the Intrusion Detection and Intrusion Prevention capabilities of the system.
User Authentication
Add, remove and configure user databases and policies for user authentication.
Traffic Shaping
The Traffic Shaping section is used to setup the bandwidth management features of the system.
Zone Defense
Zone Defense is used to automatically block hosts/networks on a group of switches if IDS/Threshold rule violations occurs.
Internet

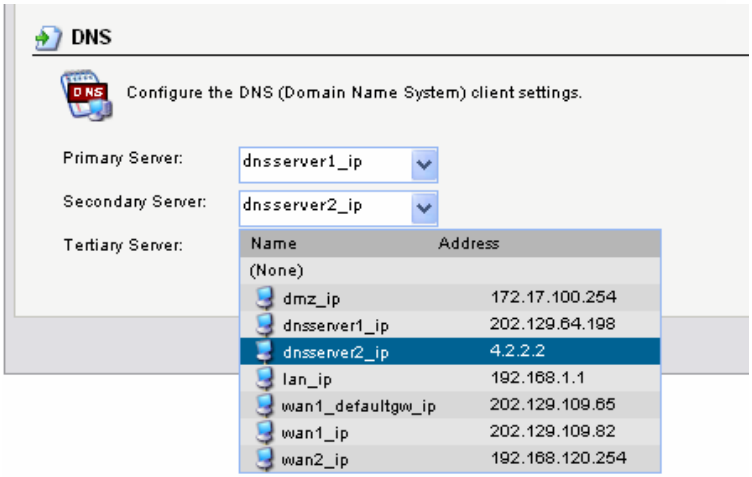

Home
Configuration
Tools
Status
Save and Activate
Discard Changes
DFL-800
System
Ping
Backup
Reset
Upgrade
Objects
Rules
System Status
System
Logging
Interfaces
Routes
Connections
DHCP Server
Zone Defense
Routing
Uptime: 0 days, 00:02:15

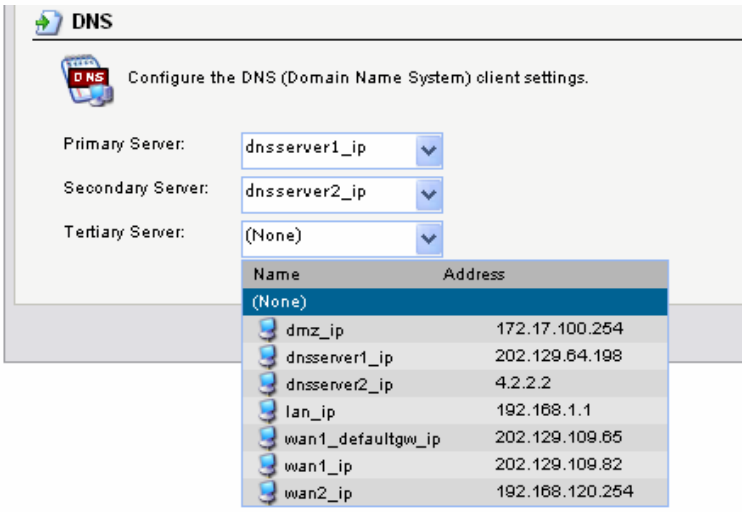

D-Link DFL-800 - Microsoft Internet Explorer provided by D-Link Australia
File Edit View Favorites Tools Help
Address http://192.168.1.1/
Go
Links
D-Link
Building Networks for People
Logged in as administrator
admin - 192.168.1.115
Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
System
Date and Time
Set the date, time and time zone information for this system.
DNS
Configure the DNS (Domain Name System) client settings.
Remote Management
Setup and configure methods and permissions for remote management of this system.
Log and Event Receivers
Add, remove and configure the servers that are to receive log and event information from this system.
DHCP Settings
Configure the DHCP (Dynamic Host Control Protocol) client, server and relay settings.
Misc. Clients
Miscellaneous network clients for DynDNS and similar services.
Advanced Settings
Modify advanced settings for this system.

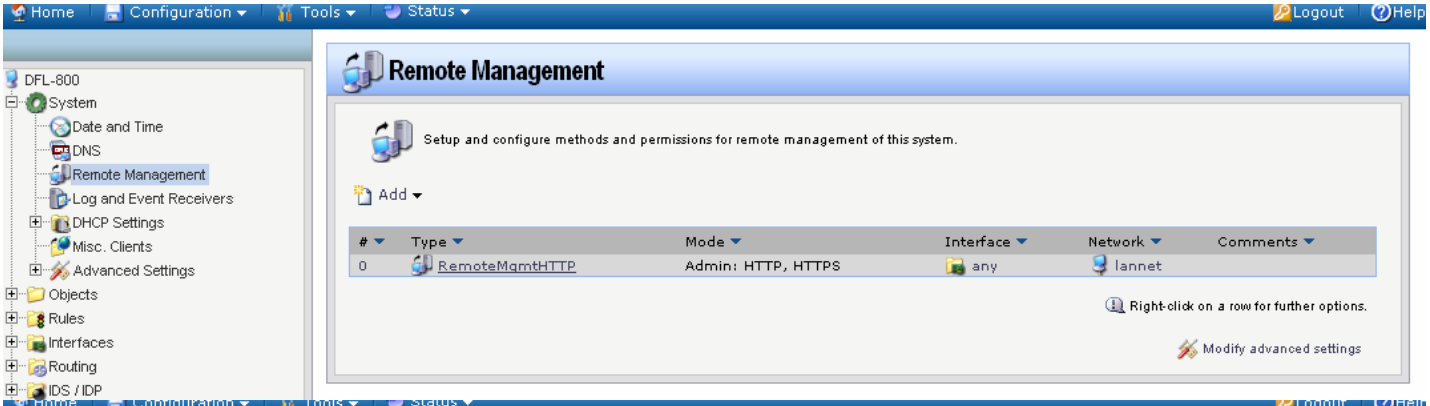

D-Link DFL-800 - Microsoft Internet Explorer provided by D-Link Australia
File Edit View Favorites Tools Help
Address http://192.168.1.1/
Go
Links
D-Link
Building Networks for People
Logged in as administrator
admin - 192.168.1.115
Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Date and Time
General
Set the date, time and time zone information for this system.
Current Date and Time: 2005-06-30 09:49:53
Set Date and Time
Time zone and daylight saving time settings
Time zone: (GMT+10:00)
Enable daylight saving time
Offset: 60 minutes
Start Date: March 26
End Date: October 30
Automatic time synchronization
Enable time synchronization
Time Server Type: SNTP
Primary Time Server: (None)
Secondary Time Server: (None)
Tertiary Time Server: (None)
Interval between each synchronization: 86400 seconds
Maximum time drift that a server is allowed to adjust: 36000 seconds
Interval according to which server responses will be grouped: 10 seconds
OK
Cancel
Done
Internet

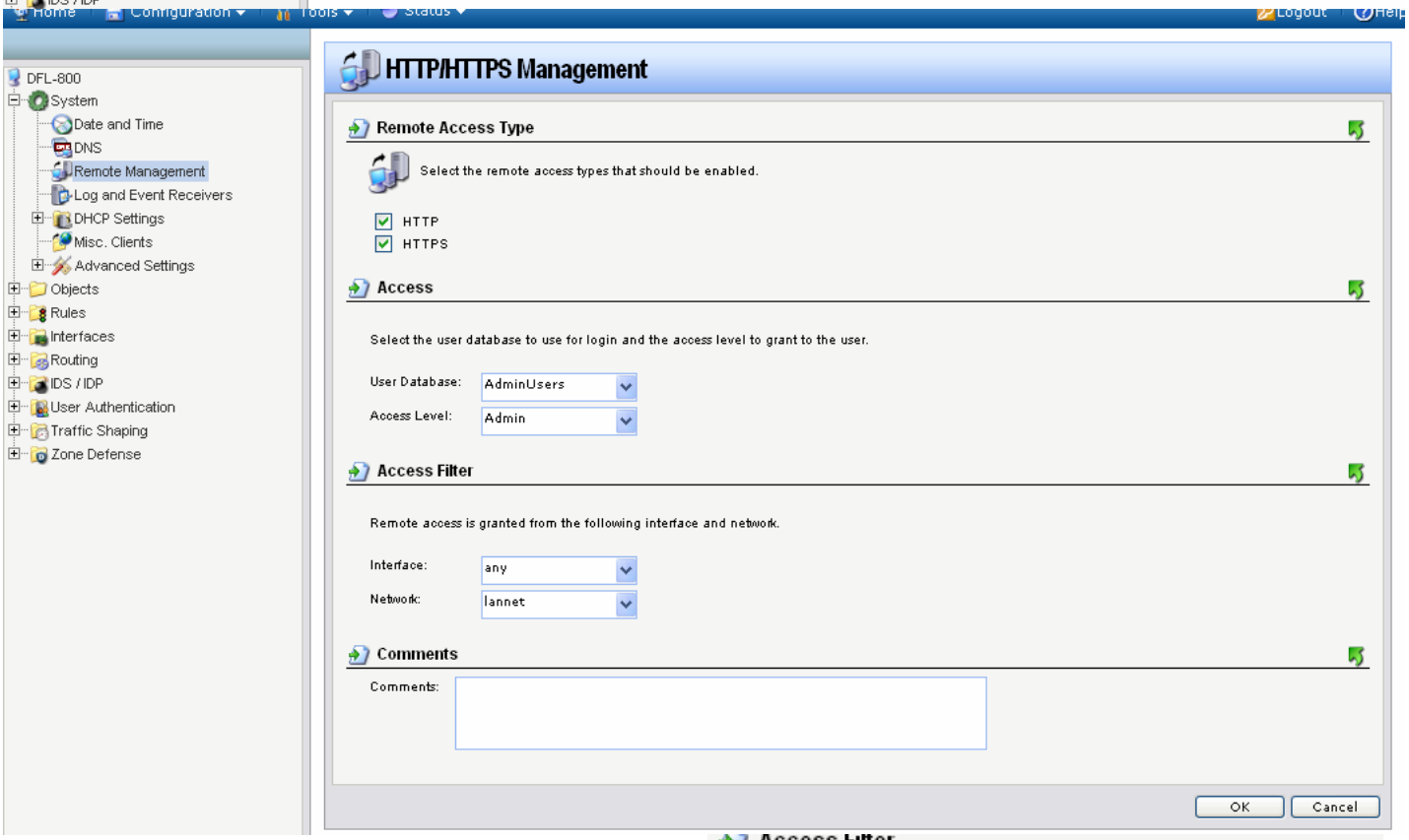

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
DNS
DNS
Configure the DNS (Domain Name System) client settings.
Primary Server:
dnsserver1_ip
Secondary Server:
dnsserver2_ip
Tertiary Server:
(None)
OK
Cancel

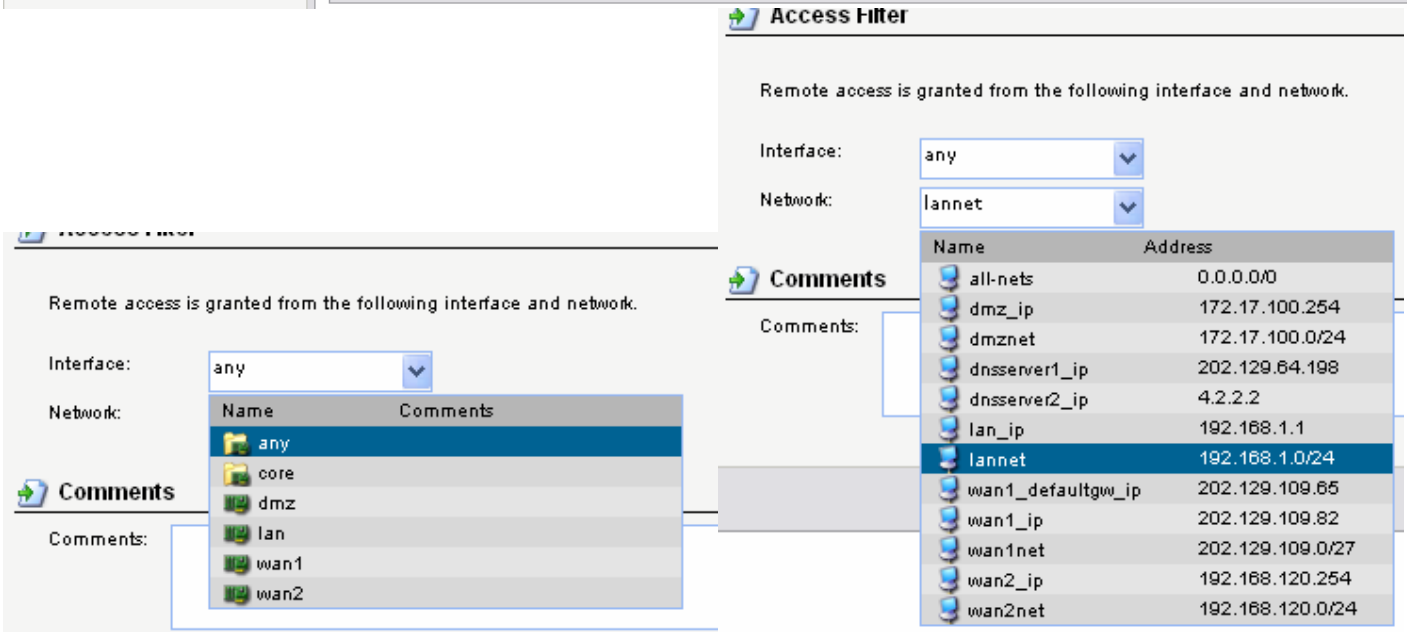

DNS
Configure the DNS (Domain Name System) client settings.
Primary Server:
dnsserver1_ip
Secondary Server:
Tertiary Server:
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254

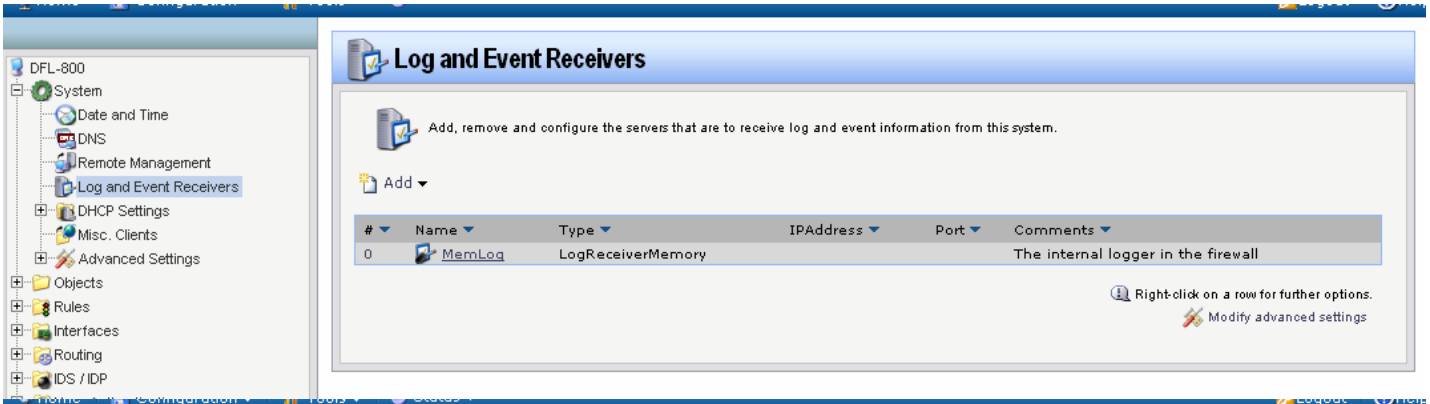

DNS
Configure the DNS (Domain Name System) client settings.
Primary Server:
dnsserver1_ip
Secondary Server:
dnsserver2_ip
Tertiary Server:
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254

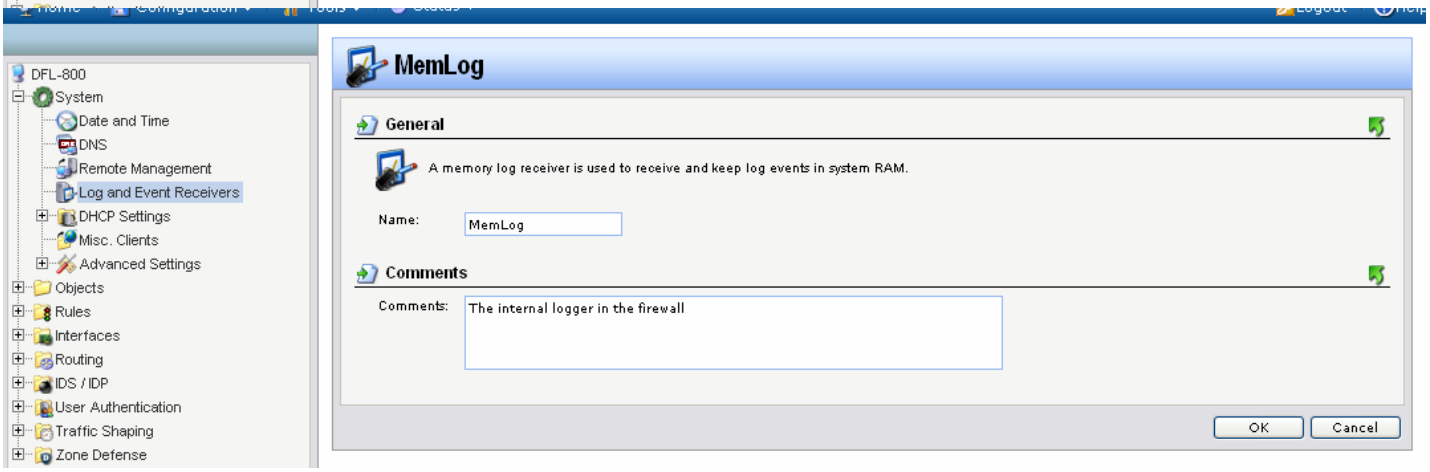

DNS
Configure the DNS (Domain Name System) client settings.
Primary Server:
dnsserver1_ip
Secondary Server:
dnsserver2_ip
Tertiary Server:
(None)
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
Remote Management
Setup and configure methods and permissions for remote management of this system.
Add
Type Mode Interface Network Comments
0 RemoteMgmtHTTP Admin: HTTP, HTTPS any lannet
Right-click on a row for further options.
Modify advanced settings

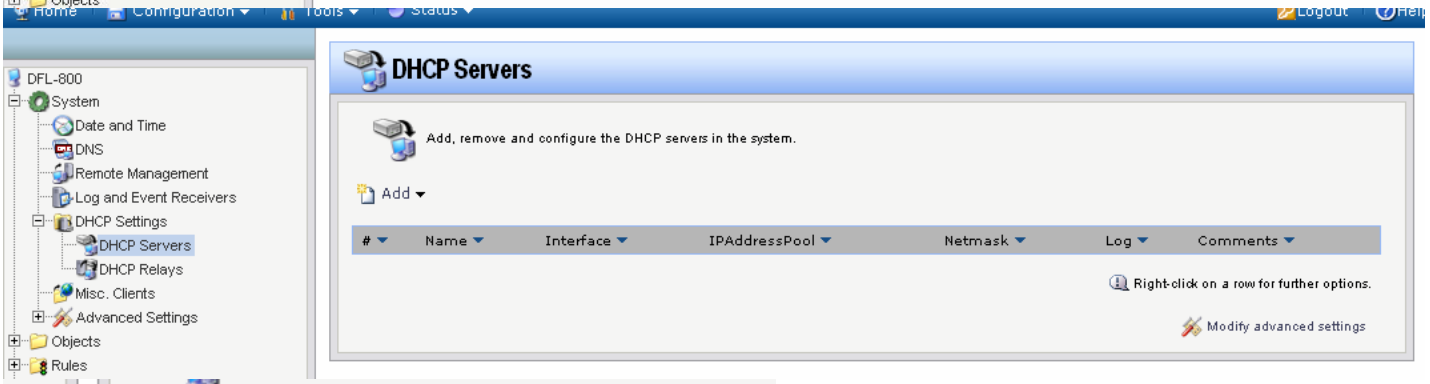

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
HTTP/HTTPS Management
Remote Access Type
Select the remote access types that should be enabled.
HTTP
HTTPS
Access
Select the user database to use for login and the access level to grant to the user.
User Database: AdminUsers
Access Level: Admin
Access Filter
Remote access is granted from the following interface and network.
Interface: any
Network: lannet
Comments
Comments:
OK
Cancel

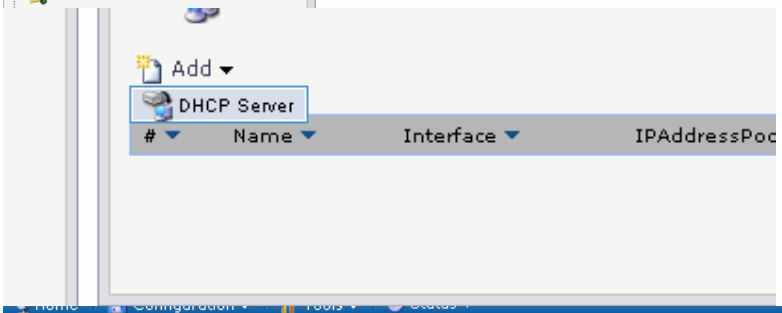

Remote access is granted from the following interface and network.
Interface: any
Network:
Name Comments
any
core
dmz
lan
wan1
wan2
Comments
Comments:
Access Filter
Remote access is granted from the following interface and network.
Interface: any
Network: lannet
Comments
Comments:
Name Address
all-nets 0.0.0.0/0
dmz_ip 172.17.100.254
dmznet 172.17.100.0/24
dnsserver1_ip 202.129.64.198
dnsserver2_ip 4.2.2.2
lan_ip 192.168.1.1
lannet 192.168.1.0/24
wan1_defaultgw_ip 202.129.109.65
wan1_ip 202.129.109.82
wan1net 202.129.109.0/27
wan2_ip 192.168.120.254
wan2net 192.168.120.0/24

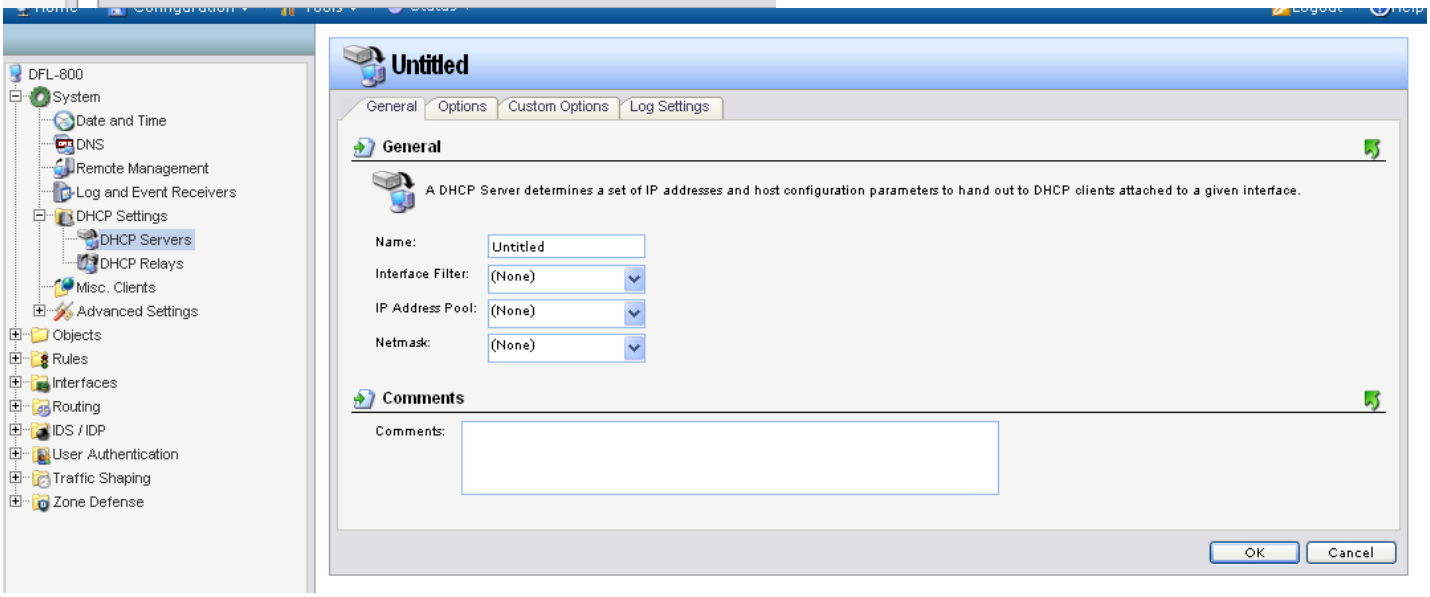

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
Log and Event Receivers
Add, remove and configure the servers that are to receive log and event information from this system.
Add
Name Type IPAddress Port Comments
0 MemLog LogReceiverMemory The internal logger in the firewall
Right-click on a row for further options.
Modify advanced settings

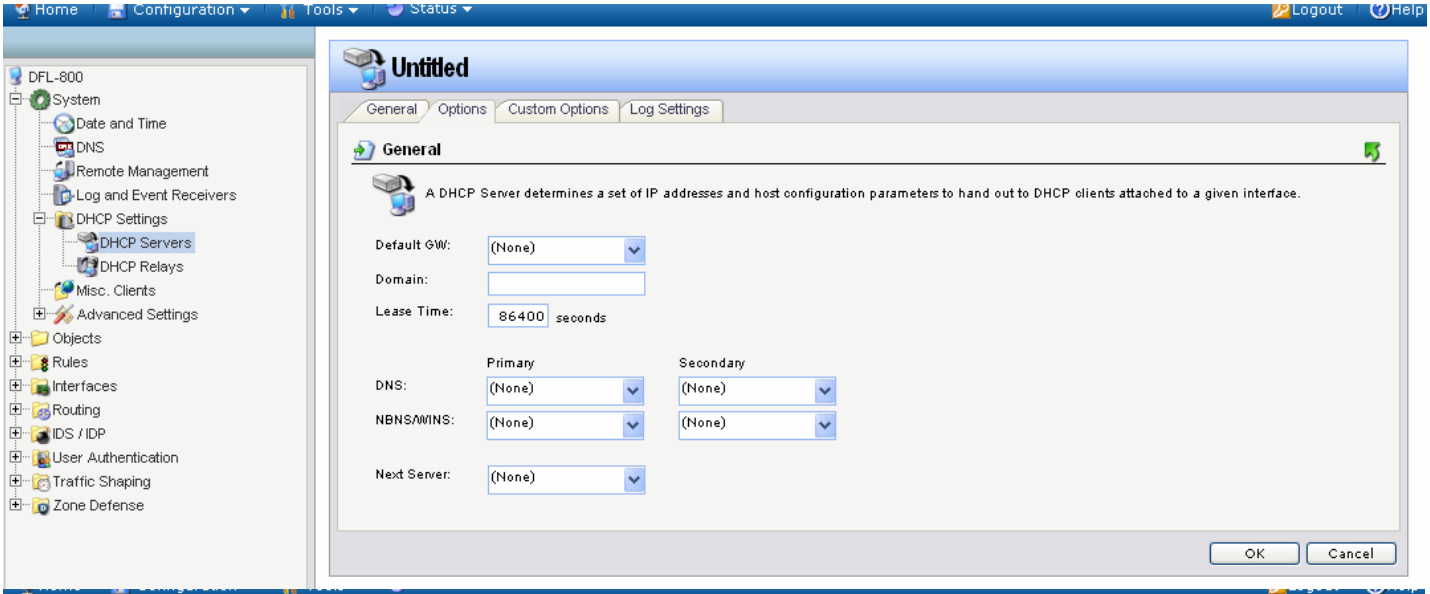

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
MemLog
General
A memory log receiver is used to receive and keep log events in system RAM.
Name:
MemLog
Comments
Comments:
The internal logger in the firewall
OK
Cancel

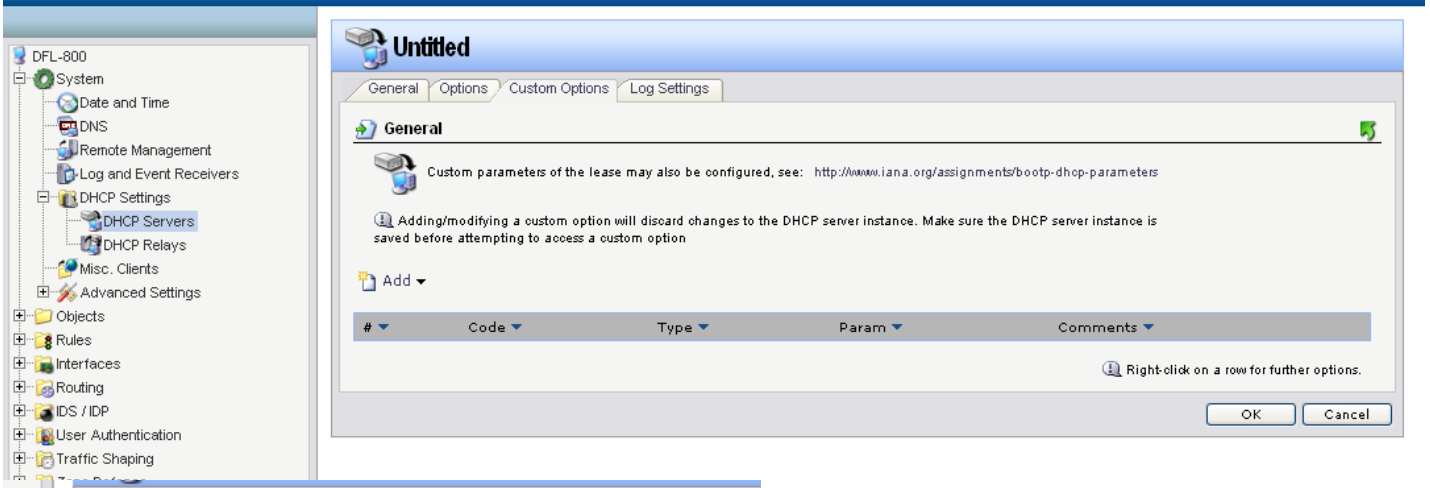

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
DHCP Settings
DHCP Servers
Add, remove and configure the DHCP servers in the system.
DHCP Relays
Add, remove and configure DHCP relays for this system.

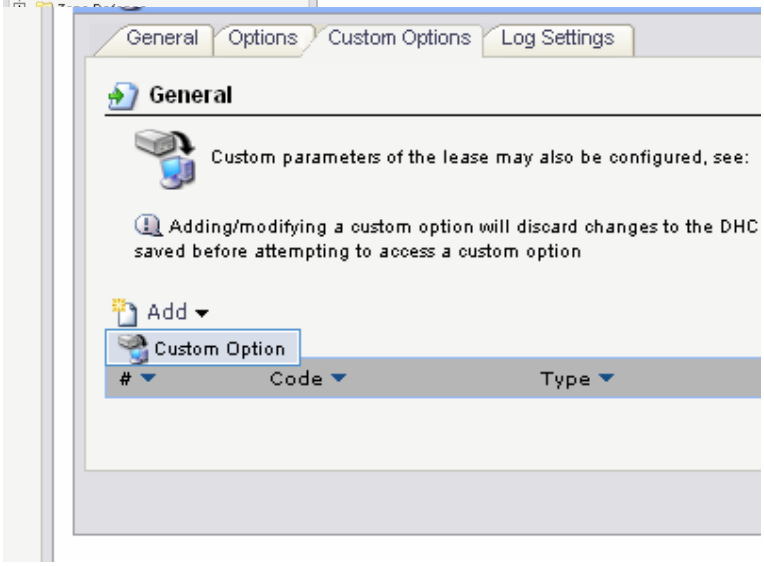

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
DHCP Servers
Add, remove and configure the DHCP servers in the system.
Add
Name Interface IPAddressPool Netmask Log Comments
Right-click on a row for further options.
Modify advanced settings

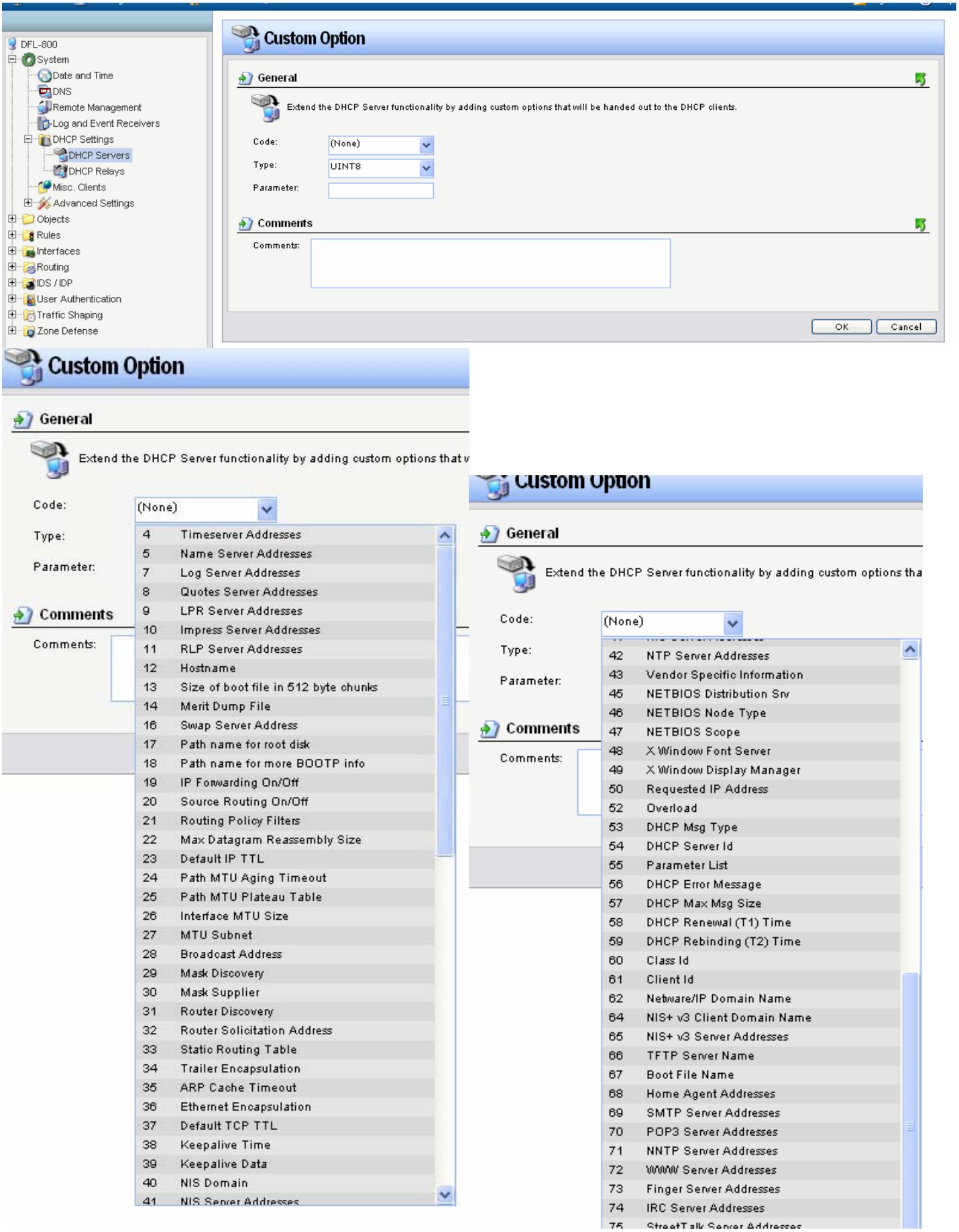

Add
DHCP Server
Name Interface IPAddressPoc

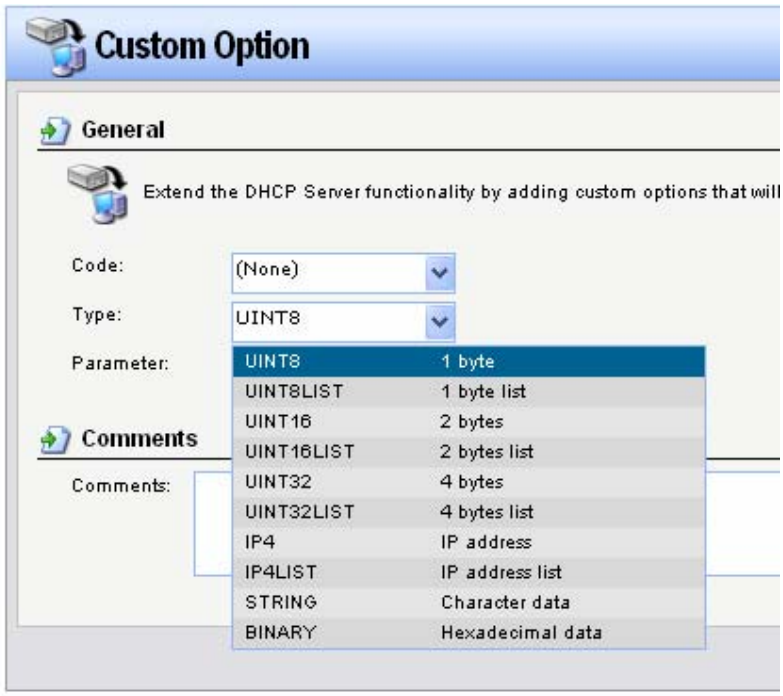

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
Options
Custom Options
Log Settings
General
A DHCP Server determines a set of IP addresses and host configuration parameters to hand out to DHCP clients attached to a given interface.
Name:
Untitled
Interface Filter:
(None)
IP Address Pool:
(None)
Netmask:
(None)
Comments
Comments:
OK
Cancel

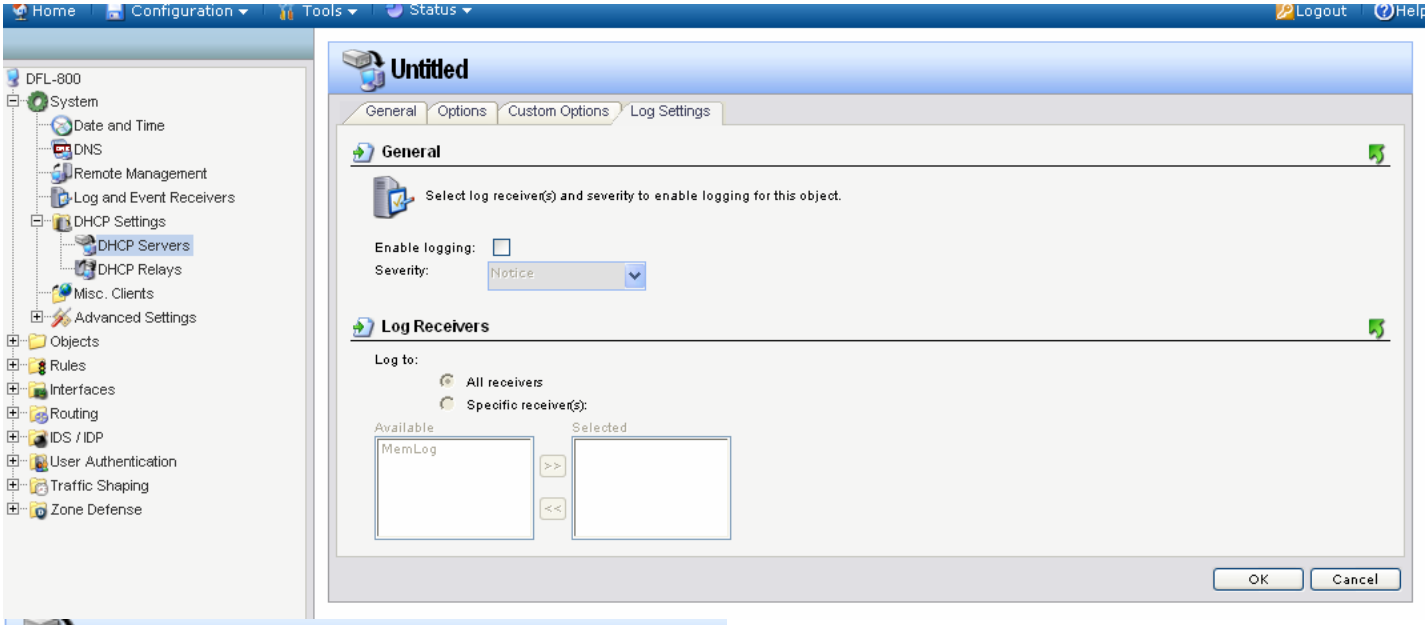

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
Options
Custom Options
Log Settings
General
A DHCP Server determines a set of IP addresses and host configuration parameters to hand out to DHCP clients attached to a given interface.
Default GW:
(None)
Domain:
Lease Time:
86400
seconds
Primary
Secondary
DNS:
(None)
(None)
NBNS/WINS:
(None)
(None)
Next Server:
(None)
OK
Cancel

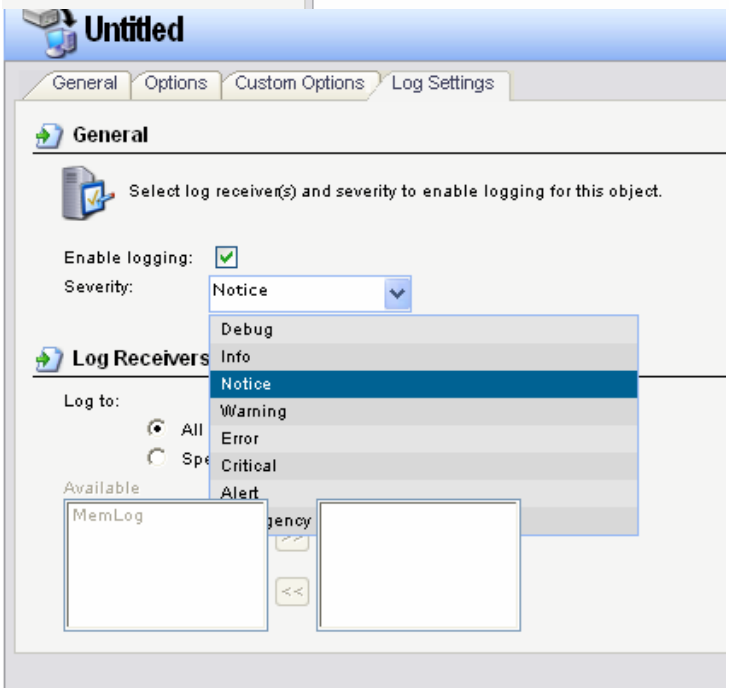

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Untitled
General
Options
Custom Options
Log Settings
General
Custom parameters of the lease may also be configured, see:
http://www.iana.org/assignments/bootp-dhcp-parameters
Adding/modifying a custom option will discard changes to the DHCP server instance. Make sure the DHCP server instance is saved before attempting to access a custom option
Add
#
Code
Type
Param
Comments
Right-click on a row for further options.
OK
Cancel

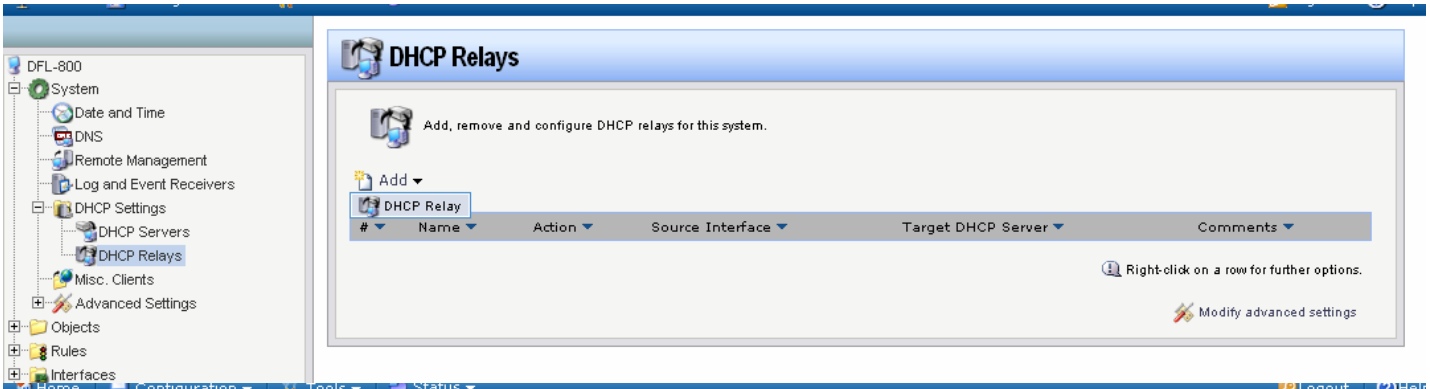

General
Options
Custom Options
Log Settings
General
Custom parameters of the lease may also be configured, see:
Adding/modifying a custom option will discard changes to the DHC
saved before attempting to access a custom option
Add
Custom Option
#
Code
Type

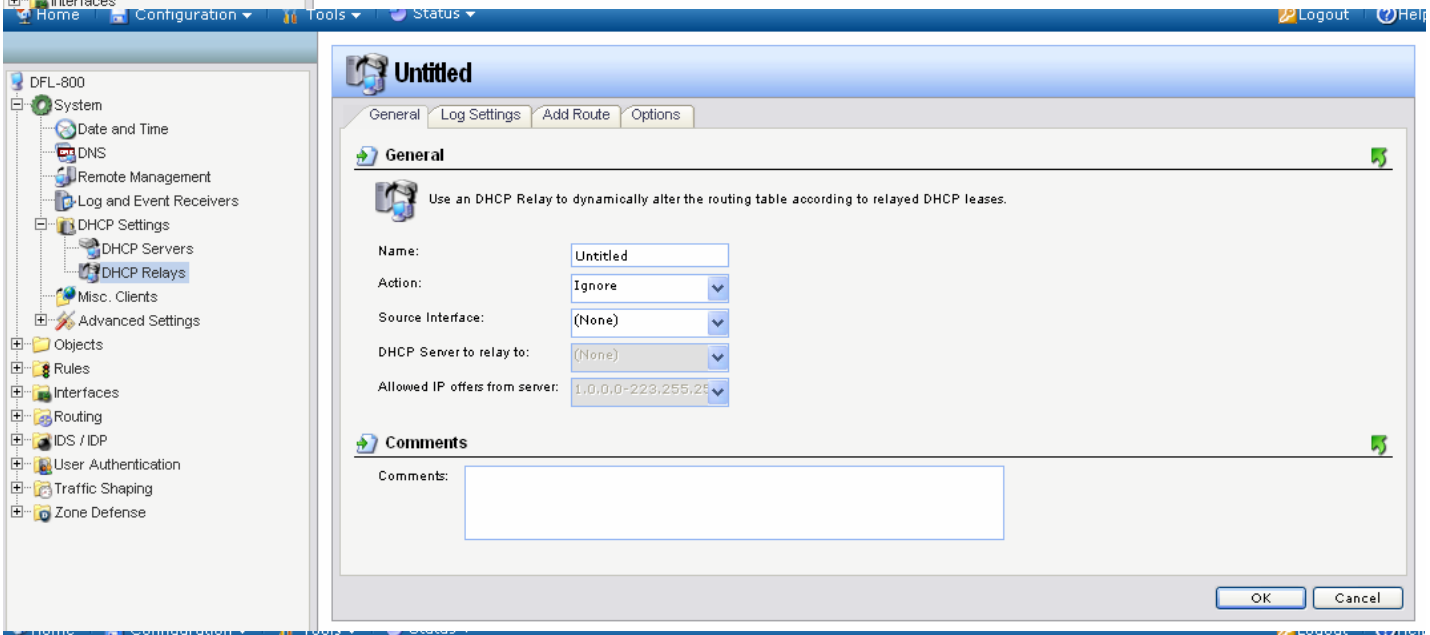

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Custom Option
General
Extend the DHCP Server functionality by adding custom options that will be handed out to the DHCP clients.
Code: (None)
Type: UINT8
Parameter:
Comments
Comments:
OK
Cancel
Custom Option
General
Extend the DHCP Server functionality by adding custom options that
Code: (None)
Type:
Parameter:
Comments
Comments:
4 Timeserver Addresses
5 Name Server Addresses
7 Log Server Addresses
8 Quotes Server Addresses
9 LPR Server Addresses
10 Impress Server Addresses
11 RLP Server Addresses
12 Hostname
13 Size of boot file in 512 byte chunks
14 Merit Dump File
16 Swap Server Address
17 Path name for root disk
18 Path name for more BOOTP info
19 IP Forwarding On/Off
20 Source Routing On/Off
21 Routing Policy Filters
22 Max Datagram Reassembly Size
23 Default IP TTL
24 Path MTU Aging Timeout
25 Path MTU Plateau Table
26 Interface MTU Size
27 MTU Subnet
28 Broadcast Address
29 Mask Discovery
30 Mask Supplier
31 Router Discovery
32 Router Solicitation Address
33 Static Routing Table
34 Trailer Encapsulation
35 ARP Cache Timeout
36 Ethernet Encapsulation
37 Default TCP TTL
38 Keepalive Time
39 Keepalive Data
40 NIS Domain
41 NIS Server Addresses
Custom Option
General
Extend the DHCP Server functionality by adding custom options tha
Code: (None)
Type:
Parameter:
Comments
Comments:
42 NTP Server Addresses
43 Vendor Specific Information
45 NETBIOS Distribution Srv
46 NETBIOS Node Type
47 NETBIOS Scope
48 X Window Font Server
49 X Window Display Manager
50 Requested IP Address
52 Overload
53 DHCP Msg Type
54 DHCP Server Id
55 Parameter List
56 DHCP Error Message
57 DHCP Max Msg Size
58 DHCP Renewal (T1) Time
59 DHCP Rebinding (T2) Time
60 Class Id
61 Client Id
62 Netware/IP Domain Name
64 NIS+ v3 Client Domain Name
65 NIS+ v3 Server Addresses
66 TFTP Server Name
67 Boot File Name
68 Home Agent Addresses
69 SMTP Server Addresses
70 POP3 Server Addresses
71 NNTP Server Addresses
72 WWW Server Addresses
73 Finger Server Addresses
74 IRC Server Addresses

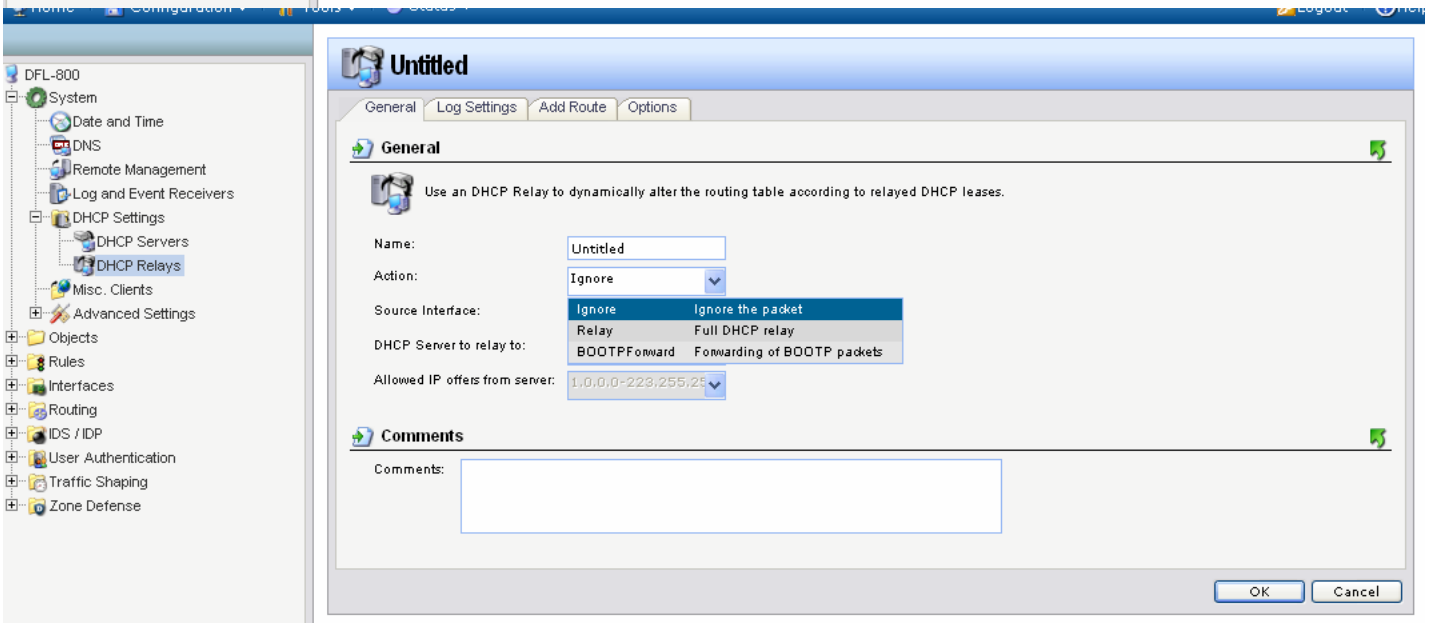

Custom Option
General
Extend the DHCP Server functionality by adding custom options that will
Code:
(None)
Type:
UINT8
Parameter:
UINT8 1 byte
UINT8LIST 1 byte list
UINT16 2 bytes
UINT16LIST 2 bytes list
UINT32 4 bytes
UINT32LIST 4 bytes list
IP4 IP address
IP4LIST IP address list
STRING Character data
BINARY Hexadecimal data
Comments
Comments:

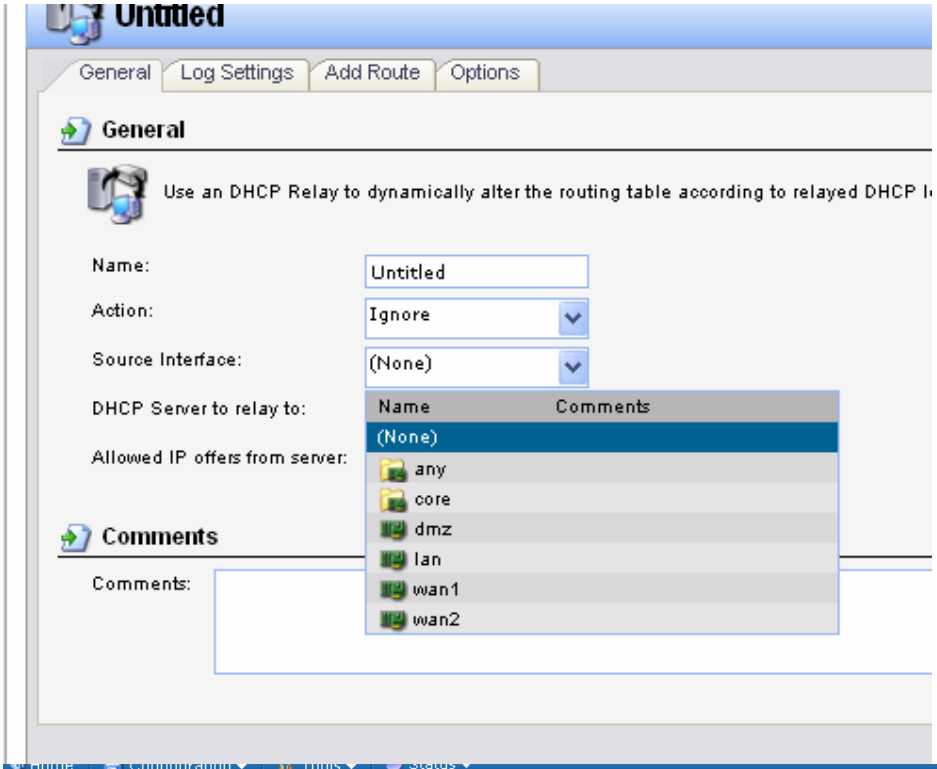

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
Options
Custom Options
Log Settings
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Log Receivers
Log to:
All receivers
Specific receiver(s):
Available
Selected
MemLog
OK
Cancel

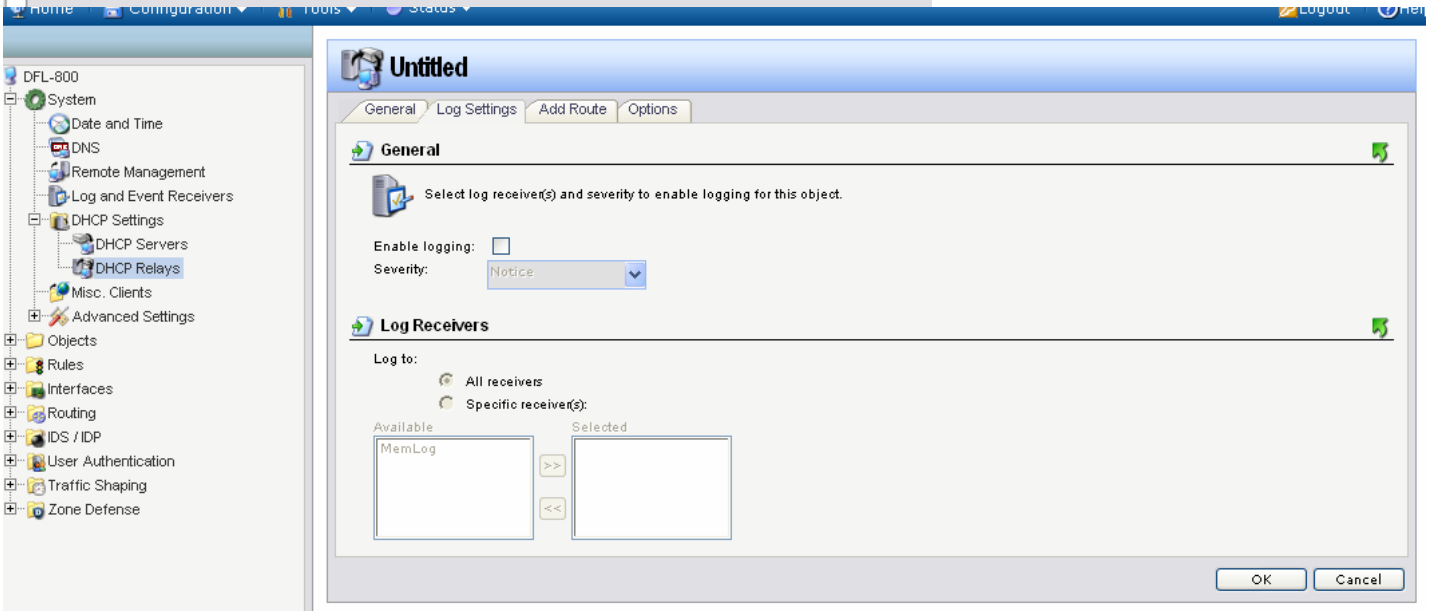

Untitled
General
Options
Custom Options
Log Settings
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Debug
Info
Notice
Warning
Error
Critical
Alert
Log Receivers
Log to:
Available
MemLog

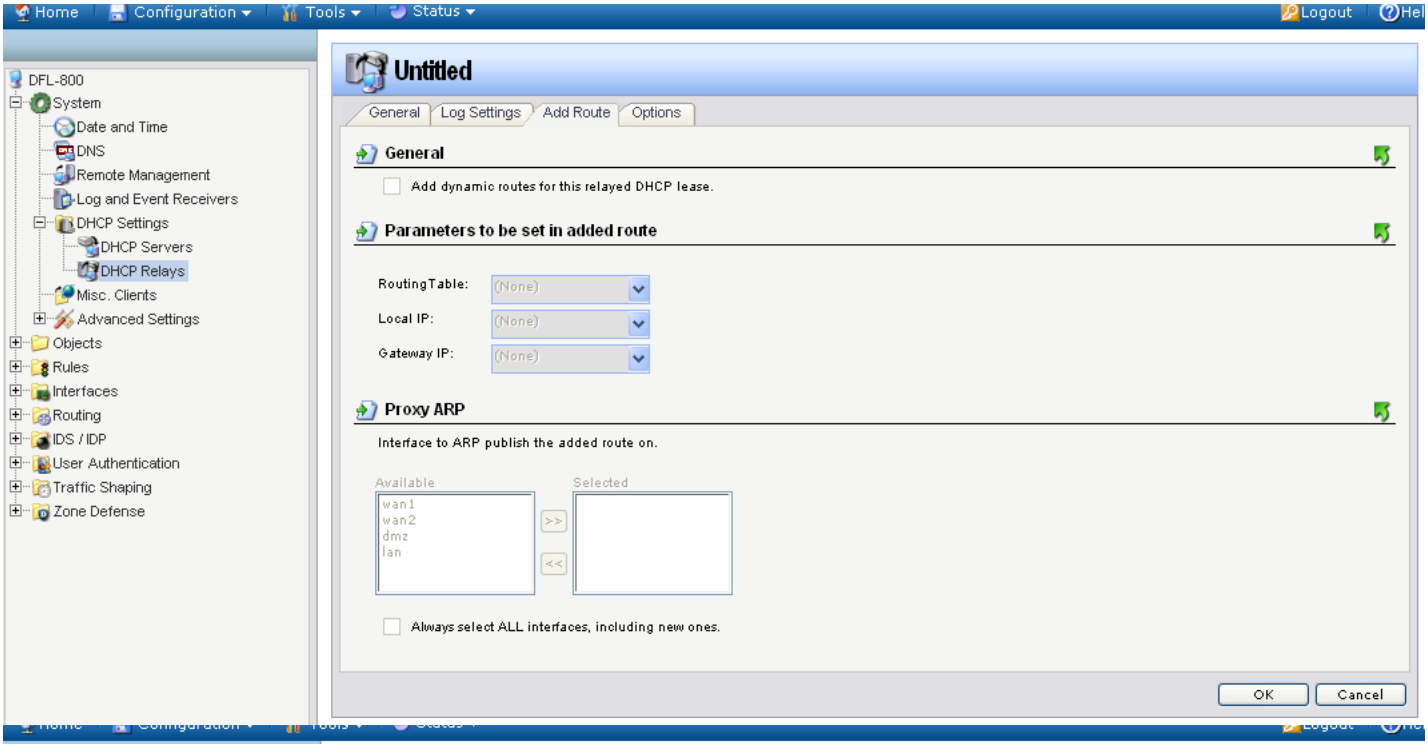

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
DHCP Relays
Add, remove and configure DHCP relays for this system.
Add
DHCP Relay
Name Action Source Interface Target DHCP Server Comments
Right-click on a row for further options.
Modify advanced settings

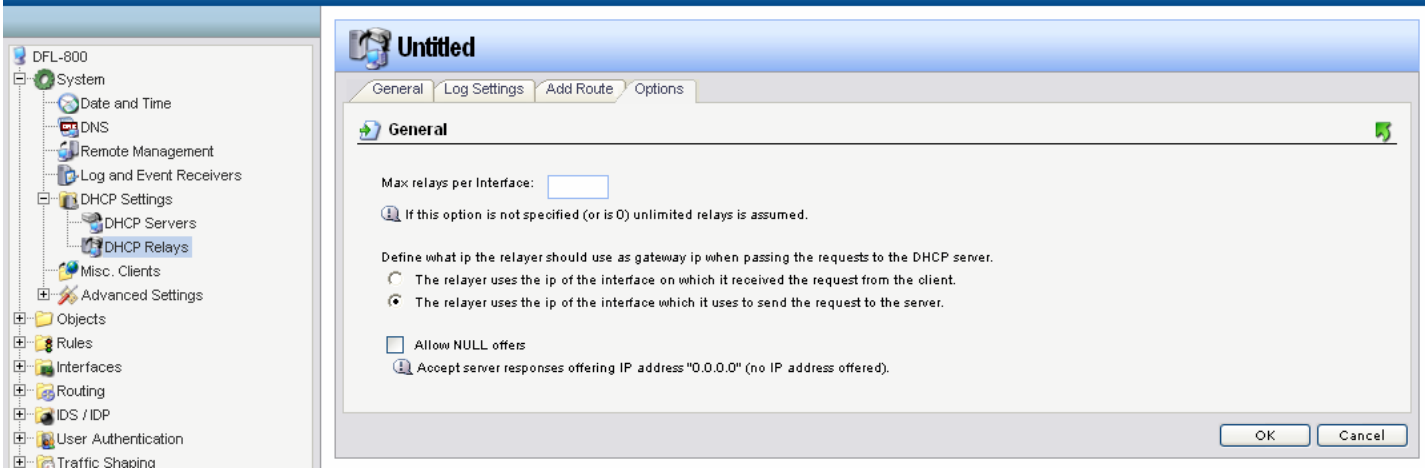

Home Configuration Tools Status Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
Log Settings
Add Route
Options
General
Use an DHCP Relay to dynamically alter the routing table according to relayed DHCP leases.
Name: Untitled
Action: Ignore
Source Interface: (None)
DHCP Server to relay to: (None)
Allowed IP offers from server: 1.0.0.0-223.255.25
Comments
Comments:
OK
Cancel

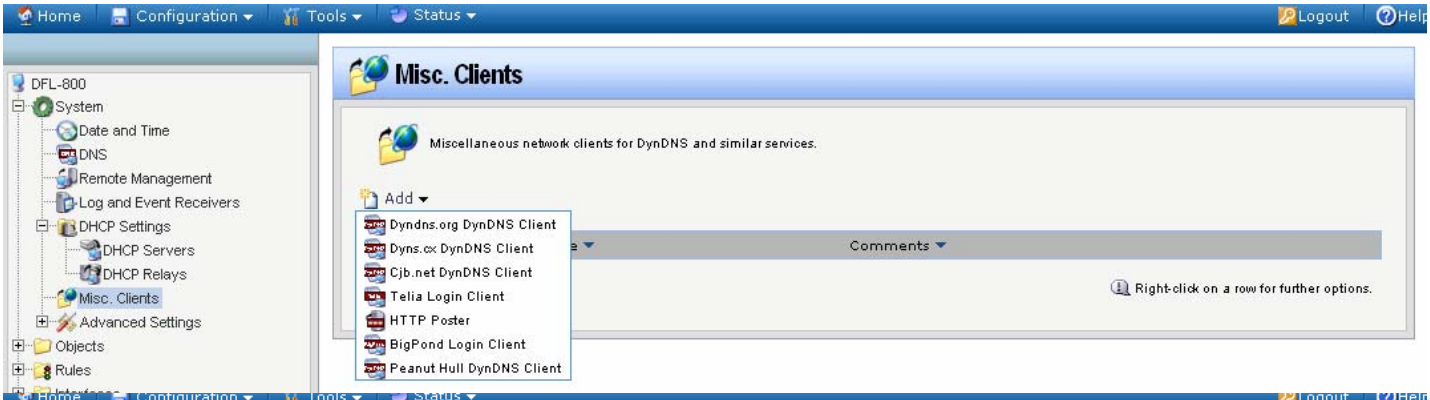

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
Log Settings
Add Route
Options
General
Use an DHCP Relay to dynamically alter the routing table according to relayed DHCP leases.
Name: Untitled
Action: Ignore
Source Interface:
DHCP Server to relay to:
Allowed IP offers from server: 1.0.0.0-223.255.25
Ignore Ignore the packet
Relay Full DHCP relay
BOOTPForward Forwarding of BOOTP packets
Comments
Comments:
OK
Cancel

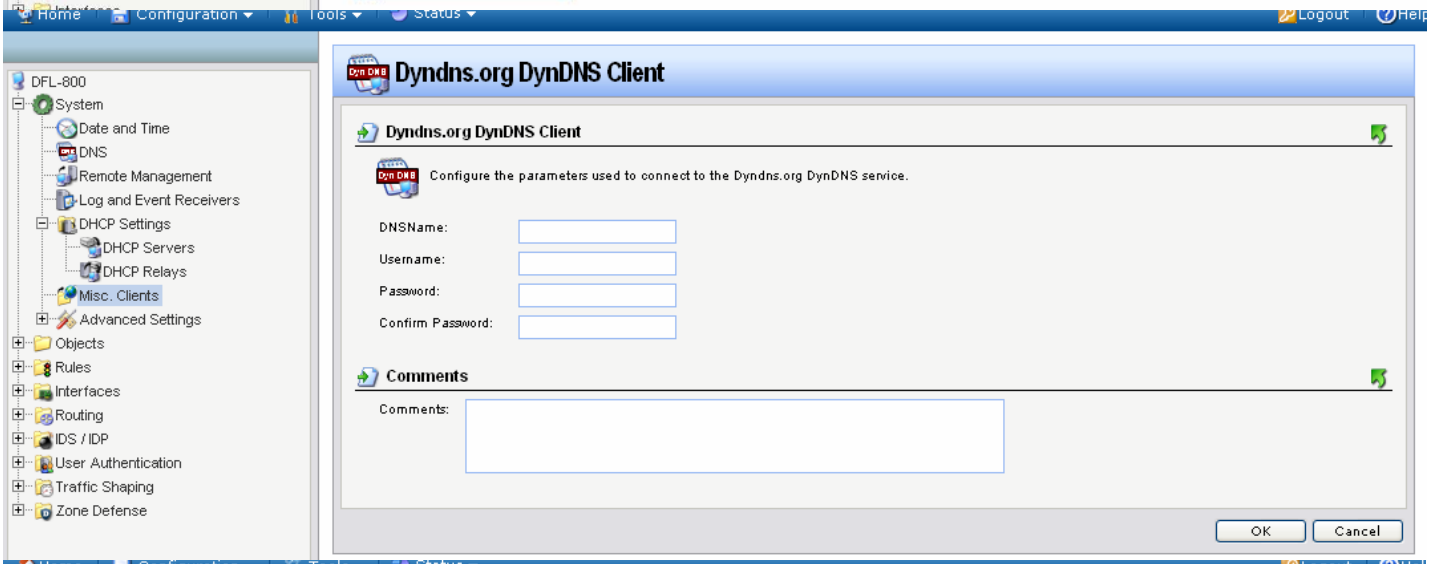

Untitled
General
Log Settings
Add Route
Options
General
Use an DHCP Relay to dynamically alter the routing table according to relayed DHCP
Name:
Untitled
Action:
Ignore
Source Interface:
(None)
DHCP Server to relay to:
Name
Comments
(None)
any
core
dmz
lan
wan1
wan2
Allowed IP offers from server:
Comments
Comments:

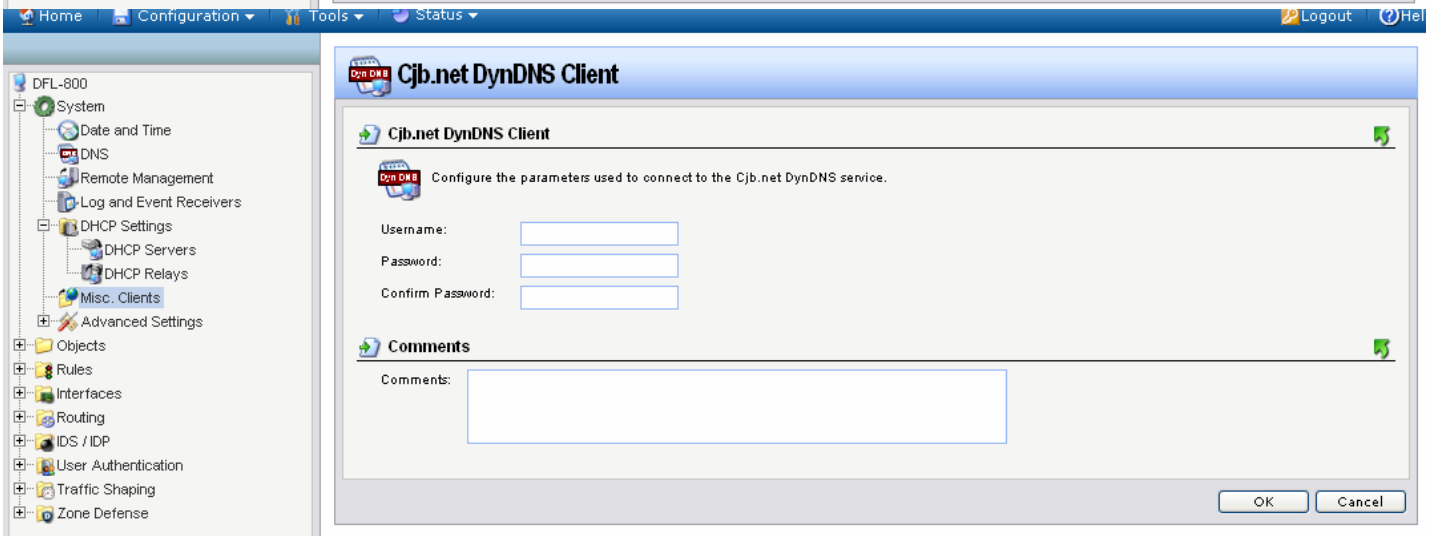

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
Log Settings
Add Route
Options
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Log Receivers
Log to:
All receivers
Specific receiver(s):
Available
Selected
MemLog
OK
Cancel

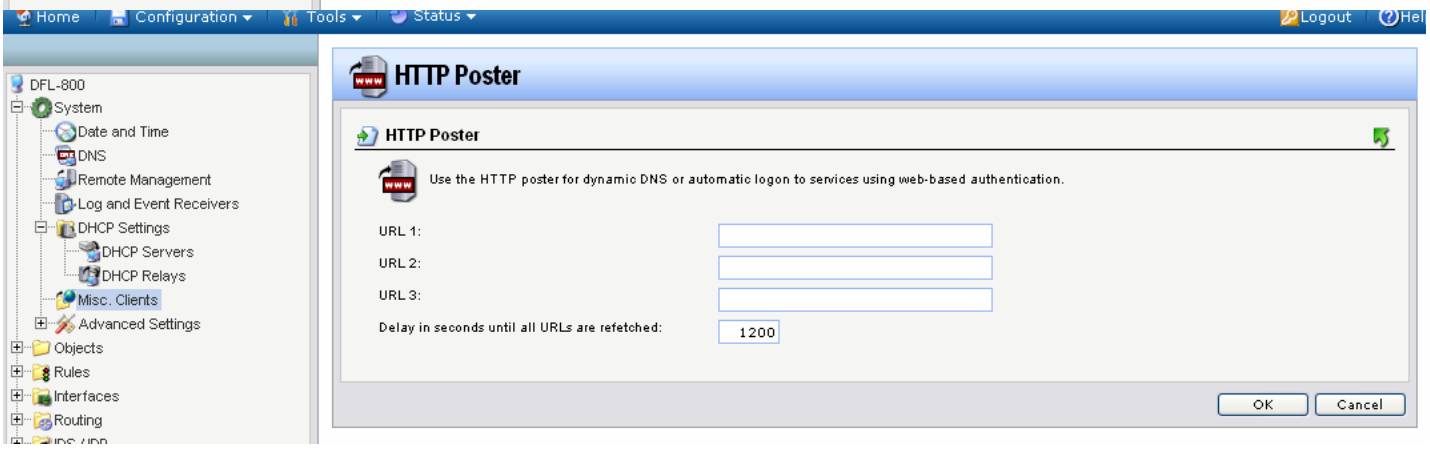

Home
Configuration
Tools
Status
Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
Log Settings
Add Route
Options
General
Add dynamic routes for this relayed DHCP lease.
Parameters to be set in added route
RoutingTable:
(None)
Local IP:
(None)
Gateway IP:
(None)
Proxy ARP
Interface to ARP publish the added route on.
Available
Selected
wan1
wan2
dmz
lan
>>
<<
Always select ALL interfaces, including new ones.
OK
Cancel

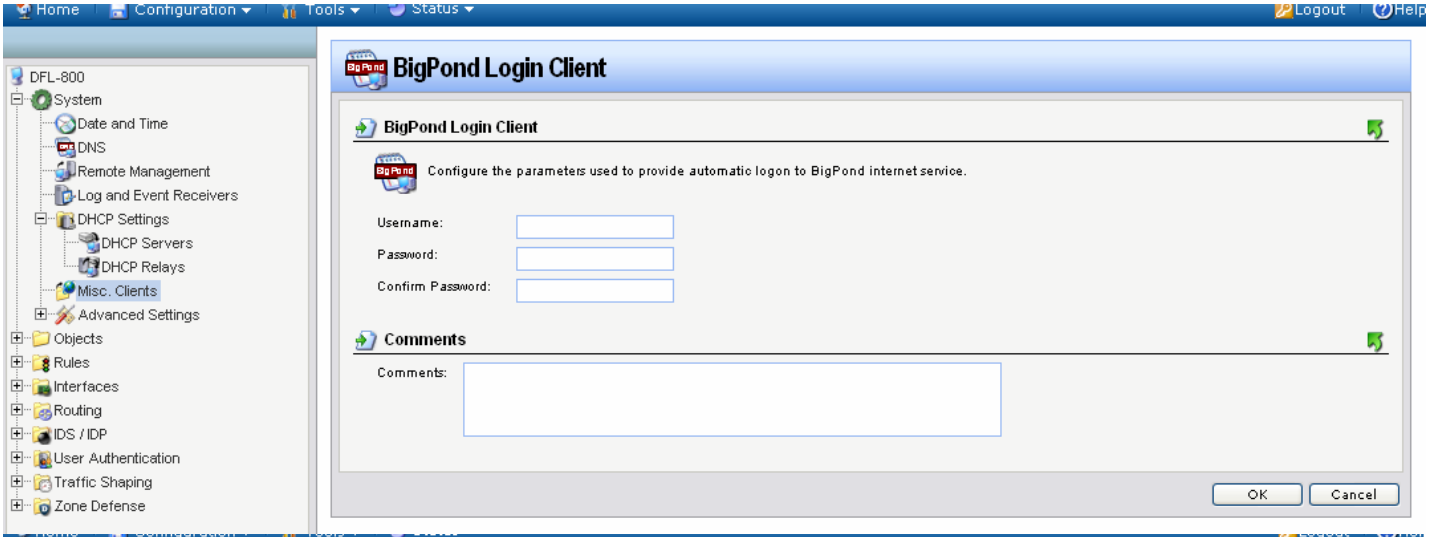

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Untitled
General
Log Settings
Add Route
Options
General
Max relays per Interface:
If this option is not specified (or is 0) unlimited relays is assumed.
Define what ip the relayer should use as gateway ip when passing the requests to the DHCP server.
The relayer uses the ip of the interface on which it received the request from the client.
The relayer uses the ip of the interface which it uses to send the request to the server.
Allow NULL offers
Accept server responses offering IP address "0.0.0.0" (no IP address offered).
OK
Cancel

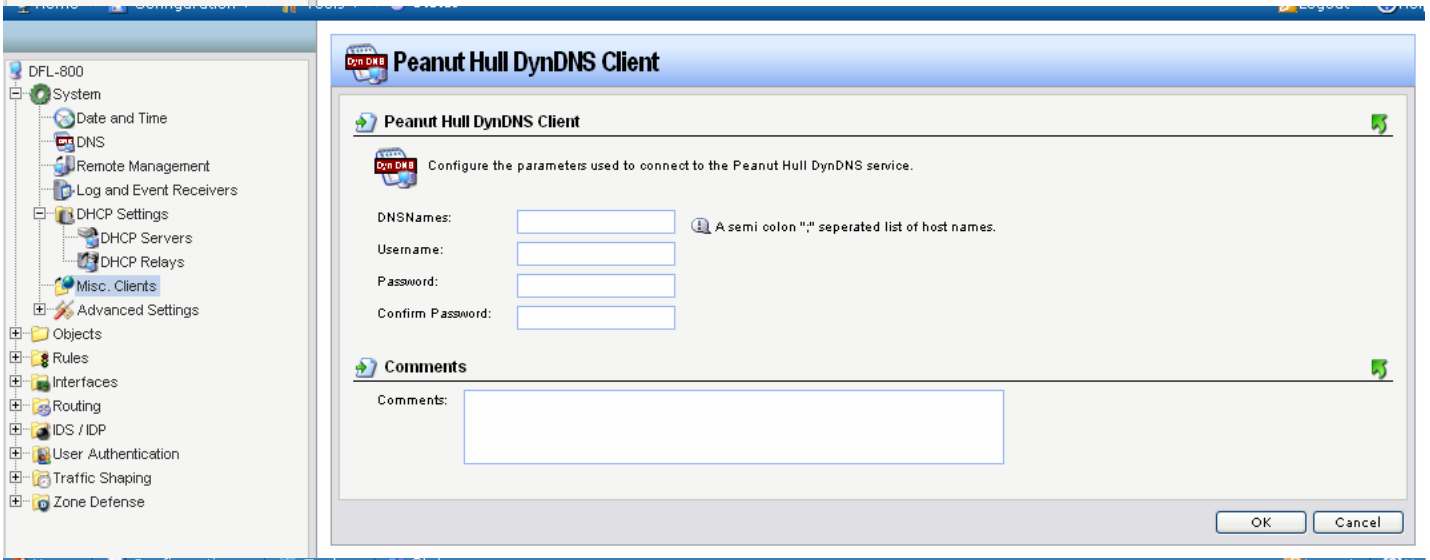

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Misc. Clients
Miscellaneous network clients for DynDNS and similar services.
Add
Dyndns.org DynDNS Client
Dyns.cx DynDNS Client
Cjb.net DynDNS Client
Telia Login Client
HTTP Poster
BigPond Login Client
Peanut Hull DynDNS Client
Comments
Right-click on a row for further options.

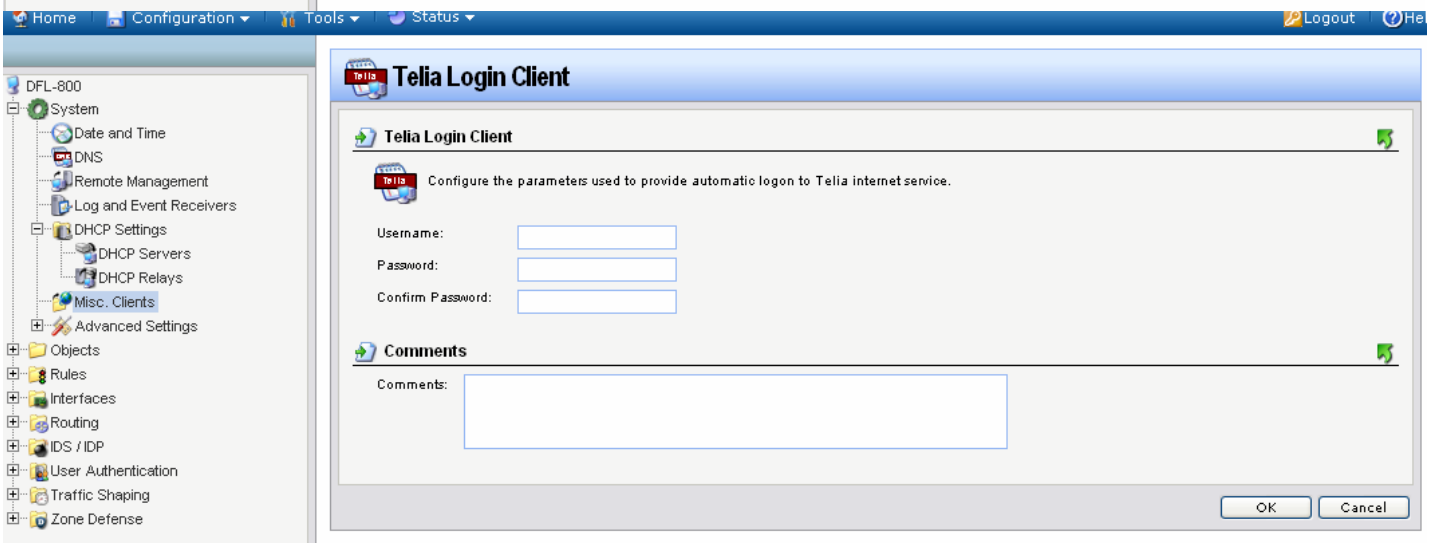

Home
Configuration
Tools
Status
Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Dyndns.org DynDNS Client
Dyndns.org DynDNS Client
Configure the parameters used to connect to the Dyndns.org DynDNS service.
DNSName:
Username:
Password:
Confirm Password:
Comments
Comments:
OK
Cancel

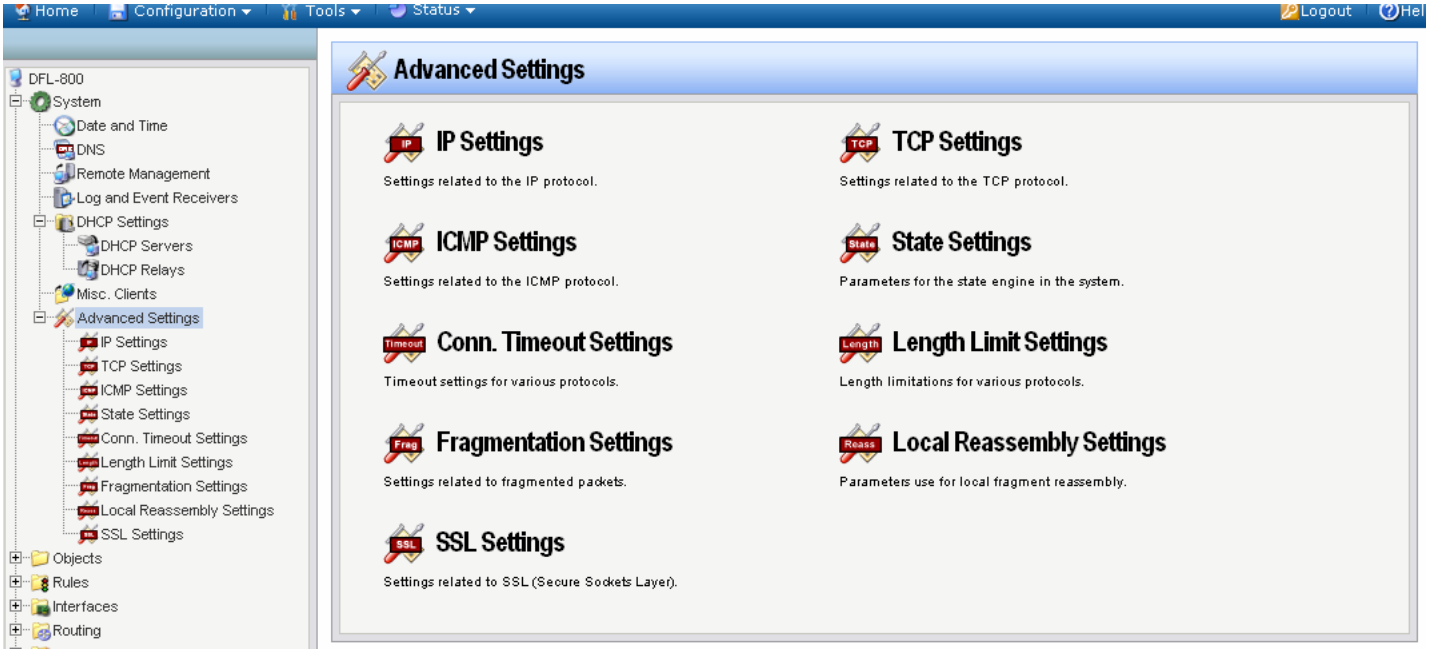

Home
Configuration
Tools
Status
Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Cjb.net DynDNS Client
Cjb.net DynDNS Client
Configure the parameters used to connect to the Cjb.net DynDNS service.
Username:
Password:
Confirm Password:
Comments
Comments:
OK
Cancel

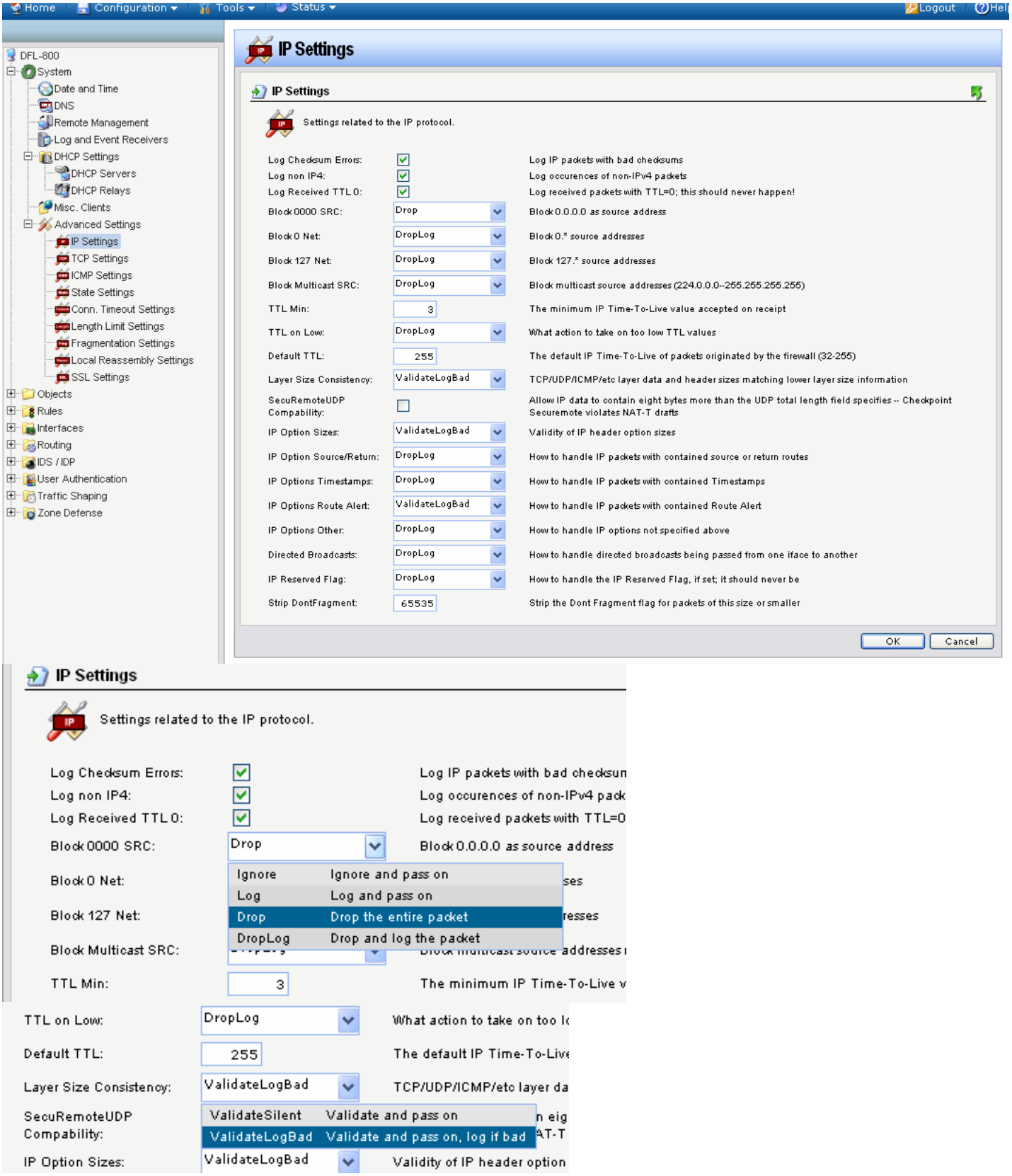

Home
Configuration
Tools
Status
Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
HTTP Poster
HTTP Poster
Use the HTTP poster for dynamic DNS or automatic logon to services using web-based authentication.
URL 1:
URL 2:
URL 3:
Delay in seconds until all URLs are refetched:
1200
OK
Cancel


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
BigPond Login Client
BigPond Login Client
Configure the parameters used to provide automatic logon to BigPond internet service.
Username:
Password:
Confirm Password:
Comments
Comments:
OK
Cancel

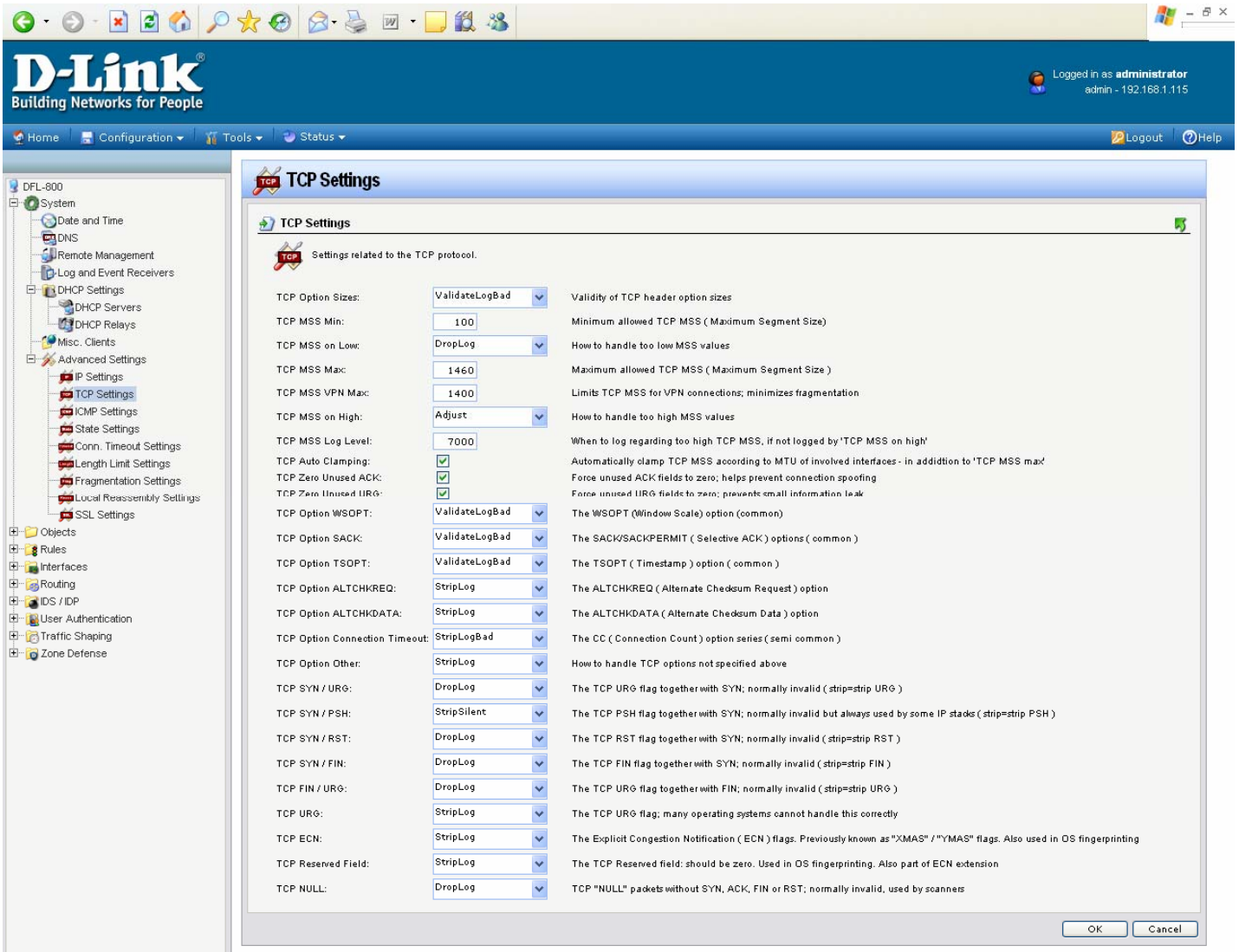

DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Peanut Hull DynDNS Client
Peanut Hull DynDNS Client
Configure the parameters used to connect to the Peanut Hull DynDNS service.
DNSNames:
A semi colon ";" seperated list of host names.
Username:
Password:
Confirm Password:
Comments
Comments:
OK
Cancel

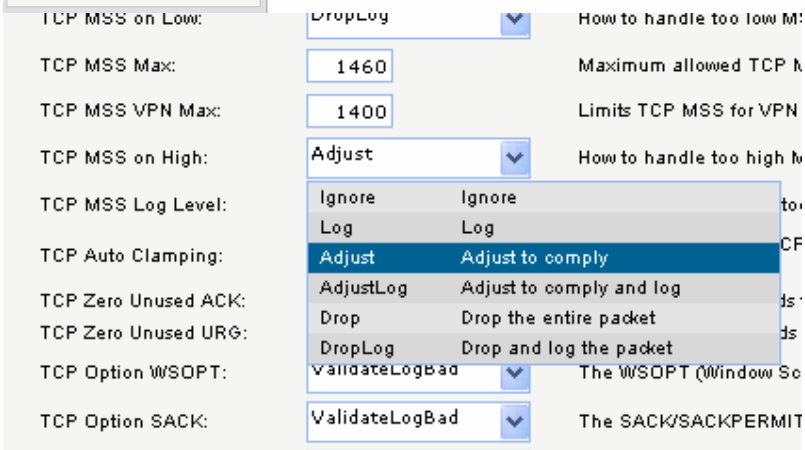

Home
Configuration
Tools
Status
Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Telia Login Client
Telia Login Client
Configure the parameters used to provide automatic logon to Telia internet service.
Username:
Password:
Confirm Password:
Comments
Comments:
OK
Cancel

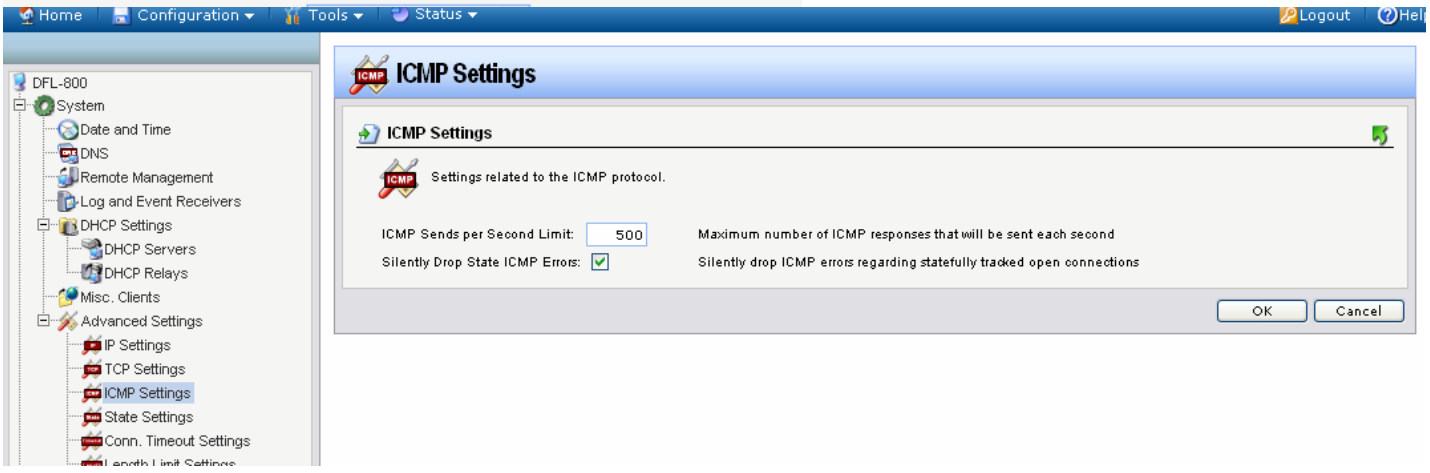

Home
Configuration
Tools
Status
Logout
Hel
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
Fragmentation Settings
Local Reassembly Settings
SSL Settings
Objects
Rules
Interfaces
Routing
Advanced Settings
IP Settings
Settings related to the IP protocol.
TCP Settings
Settings related to the TCP protocol.
ICMP Settings
Settings related to the ICMP protocol.
State Settings
Parameters for the state engine in the system.
Conn. Timeout Settings
Timeout settings for various protocols.
Length Limit Settings
Length limitations for various protocols.
Fragmentation Settings
Settings related to fragmented packets.
Local Reassembly Settings
Parameters use for local fragment reassembly.
SSL Settings
Settings related to SSL (Secure Sockets Layer).

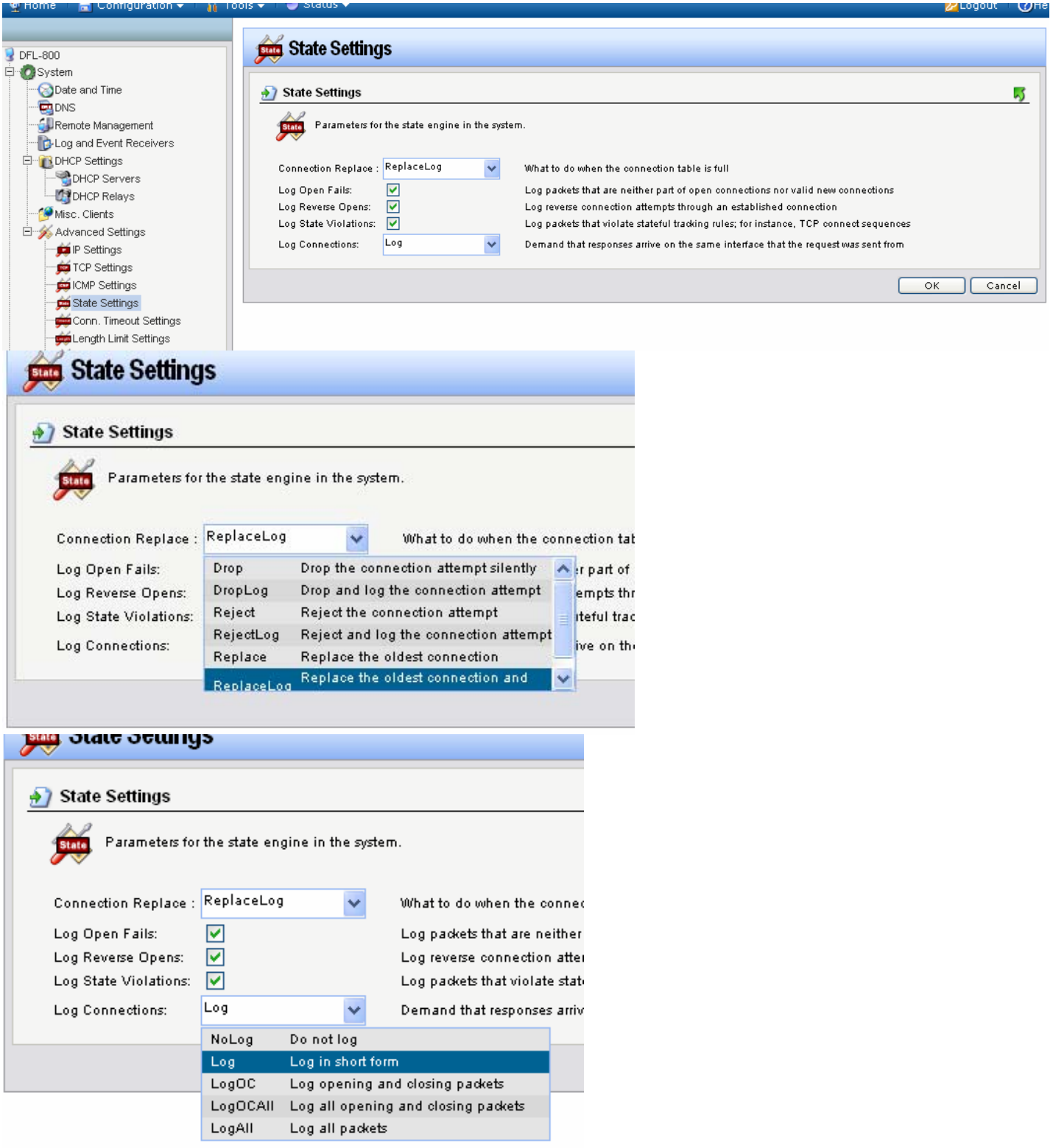

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
Fragmentation Settings
Local Reassembly Settings
SSL Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
IP Settings
IP Settings
Settings related to the IP protocol.
Log Checksum Errors: Log IP packets with bad checksums
Log non IP4: Log occurences of non-IPv4 packets
Log Received TTL 0: Log received packets with TTL=0; this should never happen!
Block 0000 SRC: Drop — Block 0.0.0.0 as source address
Block 0 Net: DropLog — Block 0.* source addresses
Block 127 Net: DropLog — Block 127.* source addresses
Block Multicast SRC: DropLog — Block multicast source addresses (224.0.0.0--255.255.255.255)
TTL Min: 3 — The minimum IP Time-To-Live value accepted on receipt
TTL on Low: DropLog — What action to take on too low TTL values
Default TTL: 255 — The default IP Time-To-Live of packets originated by the firewall (32-255)
Layer Size Consistency: ValidateLogBad — TCP/UDP/ICMP/etc layer data and header sizes matching lower layer size information
SecuRemoteUDP Compability: — Allow IP data to contain eight bytes more than the UDP total length field specifies -- Checkpoint Securemote violates NAT-T drafts
IP Option Sizes: ValidateLogBad — Validity of IP header option sizes
IP Option Source/Return: DropLog — How to handle IP packets with contained source or return routes
IP Options Timestamps: DropLog — How to handle IP packets with contained Timestamps
IP Options Route Alert: ValidateLogBad — How to handle IP packets with contained Route Alert
IP Options Other: DropLog — How to handle IP options not specified above
Directed Broadcasts: DropLog — How to handle directed broadcasts being passed from one iface to another
IP Reserved Flag: DropLog — How to handle the IP Reserved Flag, if set; it should never be
Strip DontFragment: 65535 — Strip the Dont Fragment flag for packets of this size or smaller
OK
Cancel

IP Settings
Settings related to the IP protocol.
Log Checksum Errors:
Log non IP4:
Log Received TTL 0:
Block 0000 SRC: Drop
Block 0 Net:
Block 127 Net:
Block Multicast SRC:
TTL Min: 3
Ignore Ignore and pass on
Log Log and pass on
Drop Drop the entire packet
DropLog Drop and log the packet
TTL on Low: DropLog
Default TTL: 255
Layer Size Consistency: ValidateLogBad
SecuRemoteUDP Compability:
ValidateSilent Validate and pass on
ValidateLogBad Validate and pass on, log if bad
IP Option Sizes: ValidateLogBad


D-Link
Building Networks for People
Logged in as administrator
admin - 192.168.1.115
Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
Fragmentation Settings
Local Reassembly Settings
SSL Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
TCP Settings
TCP Settings
Settings related to the TCP protocol.
TCP Option Sizes: ValidateLogBad Validity of TCP header option sizes
TCP MSS Min: 100 Minimum allowed TCP MSS (Maximum Segment Size)
TCP MSS on Low: DropLog How to handle too low MSS values
TCP MSS Max: 1460 Maximum allowed TCP MSS (Maximum Segment Size)
TCP MSS VPN Max: 1400 Limits TCP MSS for VPN connections; minimizes fragmentation
TCP MSS on High: Adjust How to handle too high MSS values
TCP MSS Log Level: 7000 When to log regarding too high TCP MSS, if not logged by 'TCP MSS on high'
TCP Auto Clamping: Automatically clamp TCP MSS according to MTU of involved interfaces - in addidtion to 'TCP MSS max'
TCP Zero Unused ACK: Force unused ACK fields to zero; helps prevent connection spoofing
TCP Zero Unused URG: Force unused URG fields to zero; prevents small information leak
TCP Option WSOPT: ValidateLogBad The WSOPT (Window Scale) option (common)
TCP Option SACK: ValidateLogBad The SACK/SACKPERMIT (Selective ACK) options (common)
TCP Option TSOPT: ValidateLogBad The TSOPT (Timestamp) option (common)
TCP Option ALTCHKREQ: StripLog The ALTCHKREQ (Alternate Checksum Request) option
TCP Option ALTCHKDATA: StripLog The ALTCHKDATA (Alternate Checksum Data) option
TCP Option Connection Timeout: StripLogBad The CC (Connection Count) option series (semi common)
TCP Option Other: StripLog How to handle TCP options not specified above
TCP SYN / URG: DropLog The TCP URG flag together with SYN; normally invalid (strip=strip URG)
TCP SYN / PSH: StripSilent The TCP PSH flag together with SYN; normally invalid but always used by some IP stacks (strip=strip PSH)
TCP SYN / RST: DropLog The TCP RST flag together with SYN; normally invalid (strip=strip RST)
TCP SYN / FIN: DropLog The TCP FIN flag together with SYN; normally invalid (strip=strip FIN)
TCP FIN / URG: DropLog The TCP URG flag together with FIN; normally invalid (strip=strip URG)
TCP URG: StripLog The TCP URG flag; many operating systems cannot handle this correctly
TCP ECN: StripLog The Explicit Congestion Notification (ECN) flags. Previously known as "XMAS" / "YMAS" flags. Also used in OS fingerprinting
TCP Reserved Field: StripLog The TCP Reserved field: should be zero. Used in OS fingerprinting. Also part of ECN extension
TCP NULL: DropLog TCP "NULL" packets without SYN, ACK, FIN or RST; normally invalid, used by scanners
OK
Cancel

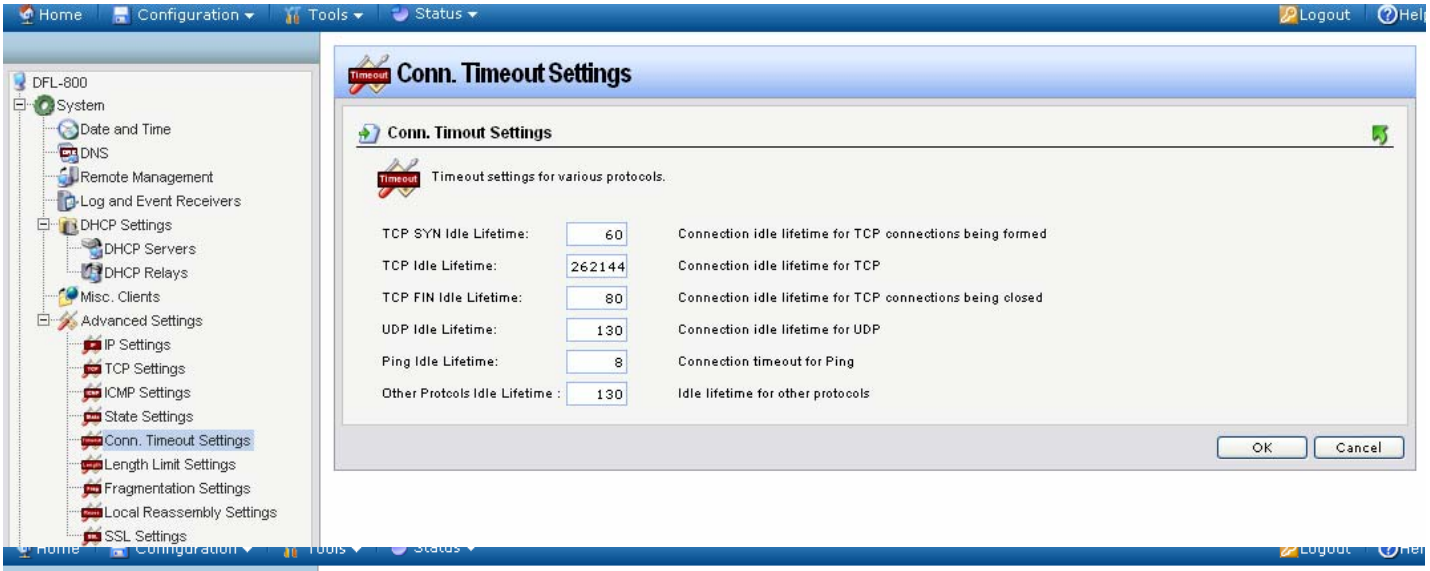

TCP MSS on Low: DropLog How to handle too low MS
TCP MSS Max: 1460 Maximum allowed TCP M
TCP MSS VPN Max: 1400 Limits TCP MSS for VPN
TCP MSS on High: Adjust How to handle too high M
TCP MSS Log Level:
TCP Auto Clamping:
TCP Zero Unused ACK:
TCP Zero Unused URG:
TCP Option WSOPT: ValidateLogBad The WSOPT (Window Sc
TCP Option SACK: ValidateLogBad The SACK/SACKPERMIT
Ignore Ignore
Log Log
Adjust Adjust to comply
AdjustLog Adjust to comply and log
Drop Drop the entire packet
DropLog Drop and log the packet

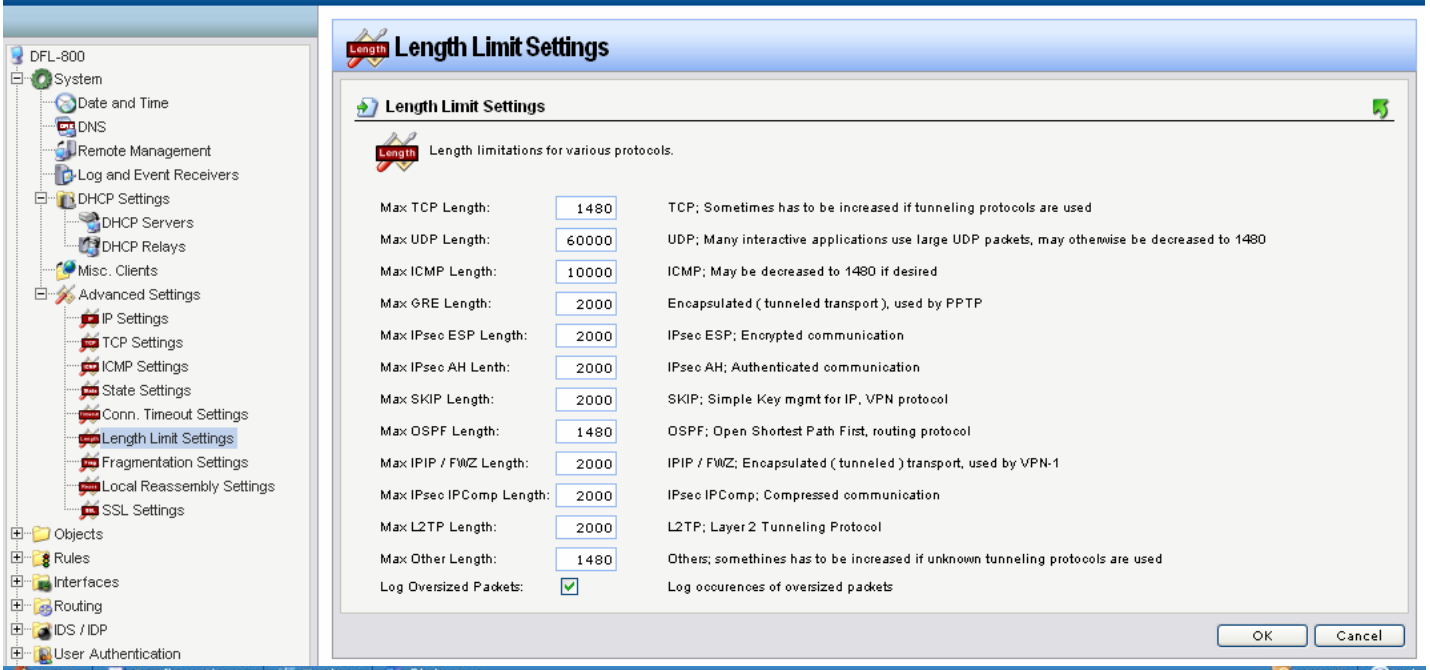

Home
Configuration
Tools
Status
Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
ICMP Settings
ICMP Settings
Settings related to the ICMP protocol.
ICMP Sends per Second Limit: 500 Maximum number of ICMP responses that will be sent each second
Silently Drop State ICMP Errors: Silently drop ICMP errors regarding statefully tracked open connections
OK
Cancel

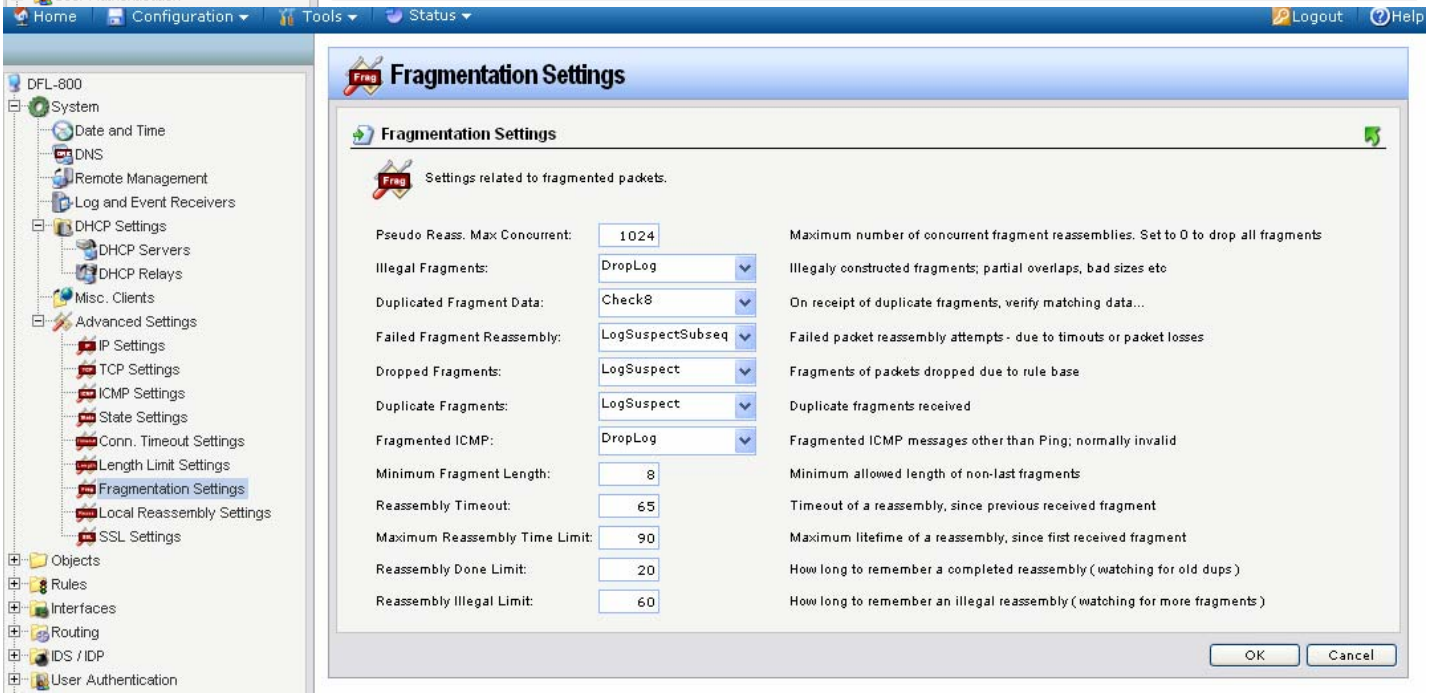

Home
Configuration
Tools
Status
Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
State Settings
State Settings
Parameters for the state engine in the system.
Connection Replace :
ReplaceLog
What to do when the connection table is full
Log Open Fails:
Log packets that are neither part of open connections nor valid new connections
Log Reverse Opens:
Log reverse connection attempts through an established connection
Log State Violations:
Log packets that violate stateful tracking rules; for instance, TCP connect sequences
Log Connections:
Log
Demand that responses arrive on the same interface that the request was sent from
OK
Cancel

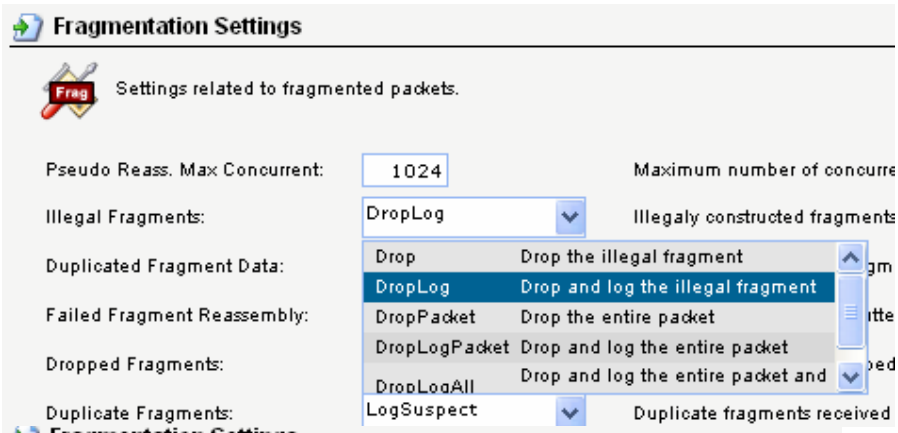
State Settings
State Settings
Parameters for the state engine in the system.
Connection Replace :
ReplaceLog
What to do when the connection tat
Log Open Fails:
Log Reverse Opens:
Log State Violations:
Log Connections:
Drop
Drop the connection attempt silently
DropLog
Drop and log the connection attempt
Reject
Reject the connection attempt
RejectLog
Reject and log the connection attempt
Replace
Replace the oldest connection
ReplaceLog
Replace the oldest connection and

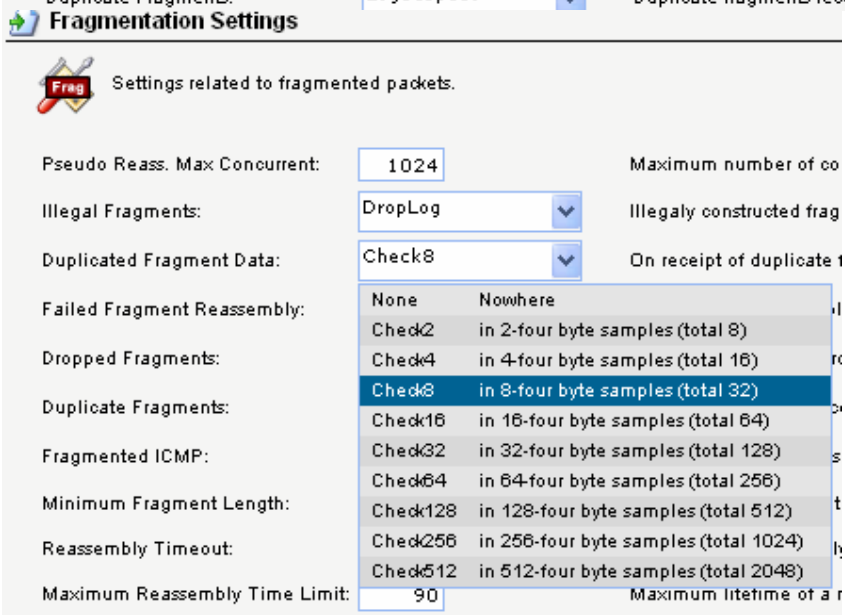
State Settings
State Settings
Parameters for the state engine in the system.
Connection Replace :
ReplaceLog
What to do when the connec
Log Open Fails:
Log packets that are neither
Log Reverse Opens:
Log reverse connection atte
Log State Violations:
Log packets that violate stat
Log Connections:
Log
Demand that responses arriv
NoLog
Do not log
Log
Log in short form
LogOC
Log opening and closing packets
LogOCAll
Log all opening and closing packets
LogAll
Log all packets

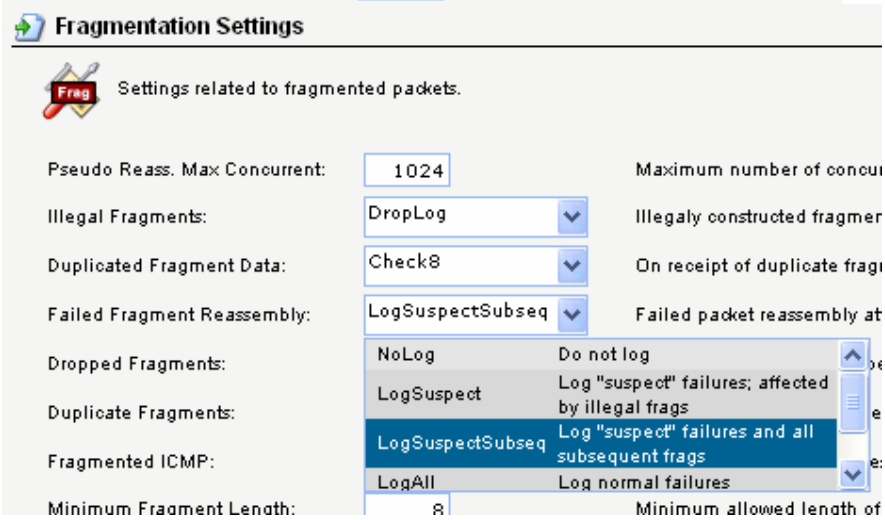

Home
Configuration
Tools
Status
Logout
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
Fragmentation Settings
Local Reassembly Settings
SSL Settings
Conn. Timeout Settings
Conn. Timout Settings
Timeout settings for various protocols.
TCP SYN Idle Lifetime: 60 Connection idle lifetime for TCP connections being formed
TCP Idle Lifetime: 262144 Connection idle lifetime for TCP
TCP FIN Idle Lifetime: 80 Connection idle lifetime for TCP connections being closed
UDP Idle Lifetime: 130 Connection idle lifetime for UDP
Ping Idle Lifetime: 8 Connection timeout for Ping
Other Protocols Idle Lifetime : 130 Idle lifetime for other protocols
OK
Cancel


DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
Fragmentation Settings
Local Reassembly Settings
SSL Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Length Limit Settings
Length Limit Settings
Length limitations for various protocols.
Max TCP Length: 1480 TCP; Sometimes has to be increased if tunneling protocols are used
Max UDP Length: 60000 UDP; Many interactive applications use large UDP packets, may otherwise be decreased to 1480
Max ICMP Length: 10000 ICMP; May be decreased to 1480 if desired
Max GRE Length: 2000 Encapsulated (tunneled transport), used by PPTP
Max IPsec ESP Length: 2000 IPsec ESP; Encrypted communication
Max IPsec AH Lenth: 2000 IPsec AH; Authenticated communication
Max SKIP Length: 2000 SKIP; Simple Key mgmt for IP, VPN protocol
Max OSPF Length: 1480 OSPF; Open Shortest Path First, routing protocol
Max IPIP / FWZ Length: 2000 IPIP / FWZ; Encapsulated (tunneled) transport, used by VPN-1
Max IPsec IPComp Length: 2000 IPsec IPComp; Compressed communication
Max L2TP Length: 2000 L2TP; Layer 2 Tunneling Protocol
Max Other Length: 1480 Others; somethines has to be increased if unknown tunneling protocols are used
Log Oversized Packets: Log occurences of oversized packets
OK
Cancel


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
Fragmentation Settings
Local Reassembly Settings
SSL Settings
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Fragmentation Settings
Fragmentation Settings
Settings related to fragmented packets.
Pseudo Reass. Max Concurrent: 1024 Maximum number of concurrent fragment reassemblies. Set to 0 to drop all fragments
Illegal Fragments: DropLog Illegaly constructed fragments; partial overlaps, bad sizes etc
Duplicated Fragment Data: Check8 On receipt of duplicate fragments, verify matching data...
Failed Fragment Reassembly: LogSuspectSubseq Failed packet reassembly attempts - due to timouts or packet losses
Dropped Fragments: LogSuspect Fragments of packets dropped due to rule base
Duplicate Fragments: LogSuspect Duplicate fragments received
Fragmented ICMP: DropLog Fragmented ICMP messages other than Ping; normally invalid
Minimum Fragment Length: 8 Minimum allowed length of non-last fragments
Reassembly Timeout: 65 Timeout of a reassembly, since previous received fragment
Maximum Reassembly Time Limit: 90 Maximum litefime of a reassembly, since first received fragment
Reassembly Done Limit: 20 How long to remember a completed reassembly (watching for old dups)
Reassembly Illegal Limit: 60 How long to remember an illegal reassembly (watching for more fragments)
OK
Cancel


Fragmentation Settings
Settings related to fragmented packets.
Pseudo Reass. Max Concurrent:
1024
Maximum number of concurre
Illegal Fragments:
DropLog
Illegaly constructed fragments
Duplicated Fragment Data:
Failed Fragment Reassembly:
Dropped Fragments:
Duplicate Fragments:
LogSuspect
Duplicate fragments received
Drop
Drop the illegal fragment
DropLog
Drop and log the illegal fragment
DropPacket
Drop the entire packet
DropLogPacket
Drop and log the entire packet
DropLogAll
Drop and log the entire packet and


Fragmentation Settings
Settings related to fragmented packets.
Pseudo Reass. Max Concurrent:
1024
Maximum number of co
Illegal Fragments:
DropLog
Illegaly constructed frag
Duplicated Fragment Data:
Check8
On receipt of duplicate
Failed Fragment Reassembly:
Dropped Fragments:
Duplicate Fragments:
Fragmented ICMP:
Minimum Fragment Length:
Reassembly Timeout:
Maximum Reassembly Time Limit:
90
None
Nowhere
Check2
in 2-four byte samples (total 8)
Check4
in 4-four byte samples (total 16)
Check8
in 8-four byte samples (total 32)
Check16
in 16-four byte samples (total 64)
Check32
in 32-four byte samples (total 128)
Check64
in 64-four byte samples (total 256)
Check128
in 128-four byte samples (total 512)
Check256
in 256-four byte samples (total 1024)
Check512
in 512-four byte samples (total 2048)


Fragmentation Settings
Settings related to fragmented packets.
Pseudo Reass. Max Concurrent:
1024
Maximum number of concu
Illegal Fragments:
DropLog
Illegaly constructed fragmen
Duplicated Fragment Data:
Check8
On receipt of duplicate frag
Failed Fragment Reassembly:
LogSuspectSubseq
Failed packet reassembly at
Dropped Fragments:
Duplicate Fragments:
Fragmented ICMP:
Minimum Fragment Length:
8
Minimum allowed length of
NoLog
Do not log
LogSuspect
Log "suspect" failures; affected by illegal frags
LogSuspectSubseq
Log "suspect" failures and all subsequent frags
LogAll
Log normal failures

Fragmentation Settings

Settings related to fragmented packets.

Pseudo Reass. Max Concurrent:	1024	Maximum number of con
Illegal Fragments:	DropLog	Illegaly constructed fragm
Duplicated Fragment Data:	Check8	On receipt of duplicate fra
Failed Fragment Reassembly:	LogSuspectSubseq	Failed packet reassembly
Dropped Fragments:	LogSuspect	Fragments of packets drop
Duplicate Fragments:		
Fragmented ICMP:		

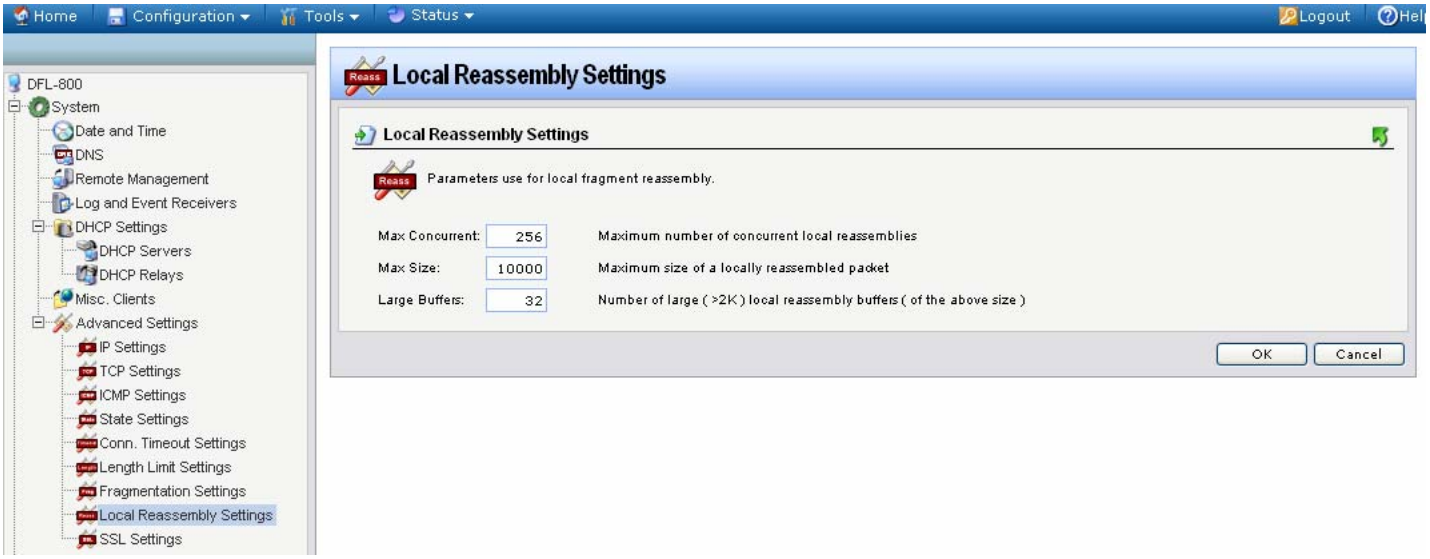
NoLog	Do not log
LogSuspect	Log if reassembly suspect
LogAll	Log if suspect or if Rules say to log

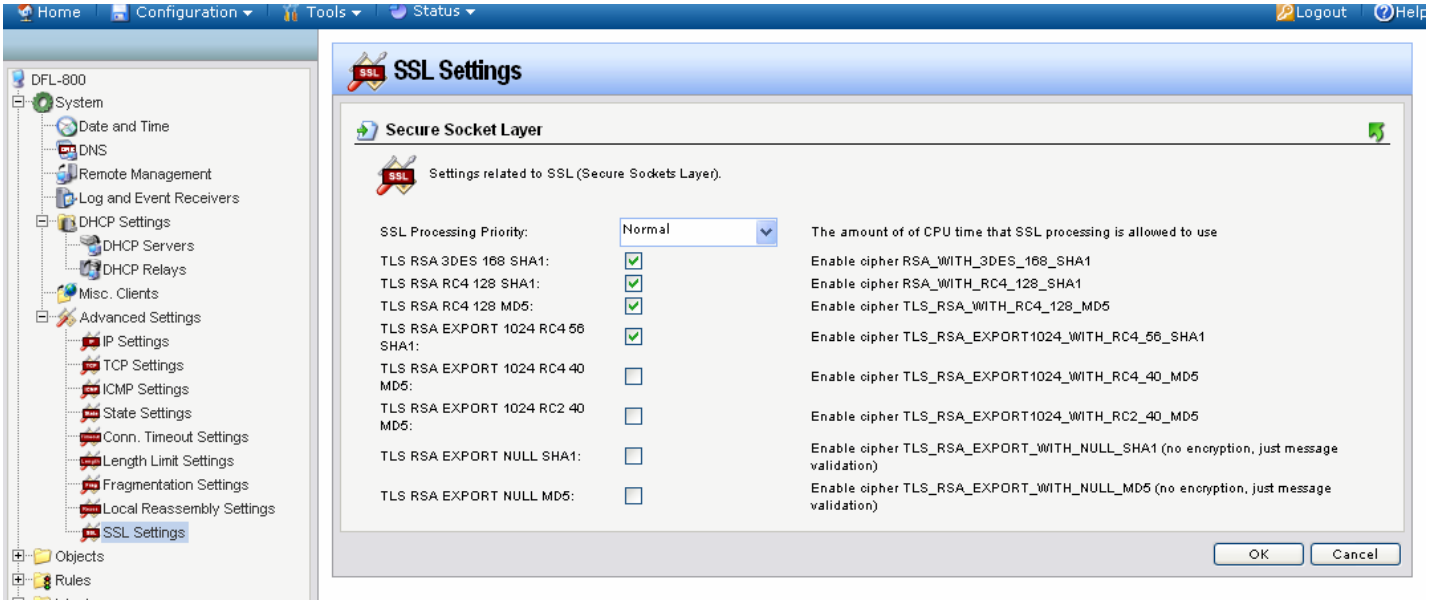
Fragmentation Settings

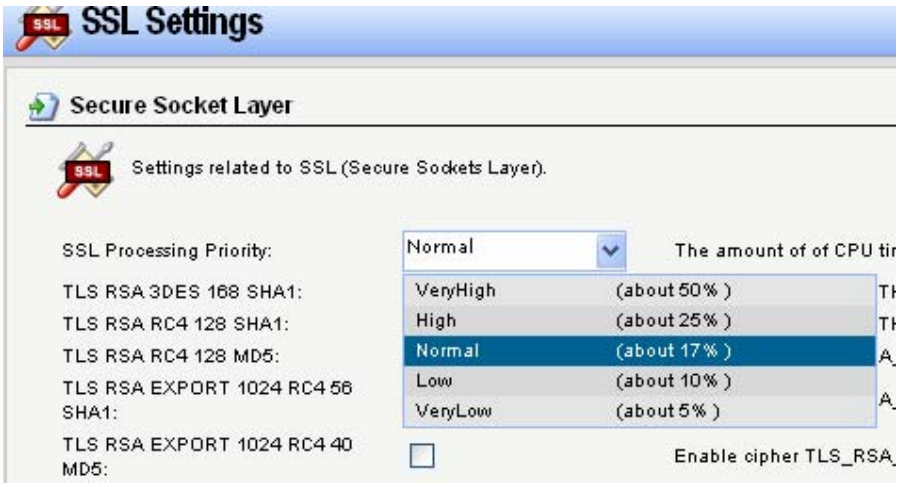
Settings related to fragmented packets.

Pseudo Reass. Max Concurrent:	1024	Maximum number of conc
Illegal Fragments:	DropLog	Illegaly constructed fragme
Duplicated Fragment Data:	Check8	On receipt of duplicate fra
Failed Fragment Reassembly:	LogSuspectSubseq	Failed packet reassembly
Dropped Fragments:	LogSuspect	Fragments of packets drop
Duplicate Fragments:	LogSuspect	Duplicate fragments receiv
Fragmented ICMP:	DropLog	Fragmented ICMP messag
Minimum Fragment Length:		
Reassembly Timeout:		
Maximum Reassembly Time Limit:		

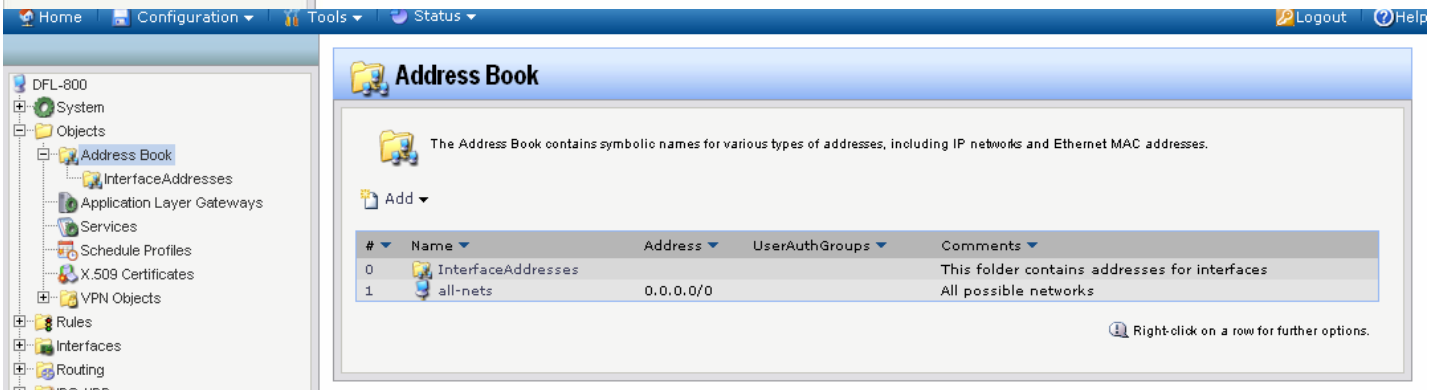
Ignore	Ignore and pass on
Log	Log and pass on
Drop	Drop the entire packet
DropLog	Drop and log the packet

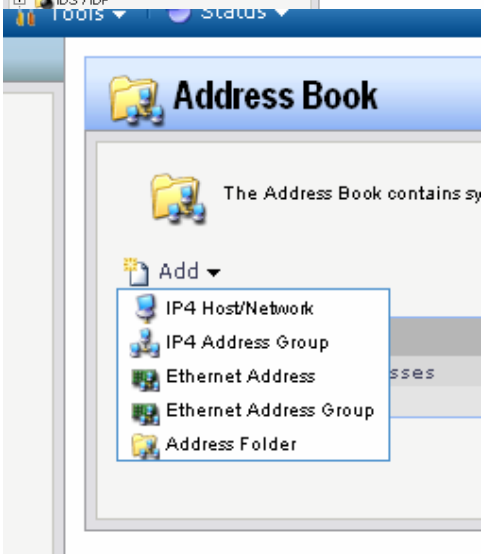

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
Fragmentation Settings
Local Reassembly Settings
SSL Settings
Local Reassembly Settings
Local Reassembly Settings
Parameters use for local fragment reassembly.
Max Concurrent: 256 Maximum number of concurrent local reassemblies
Max Size: 10000 Maximum size of a locally reassembled packet
Large Buffers: 32 Number of large (>2K) local reassembly buffers (of the above size)
OK
Cancel

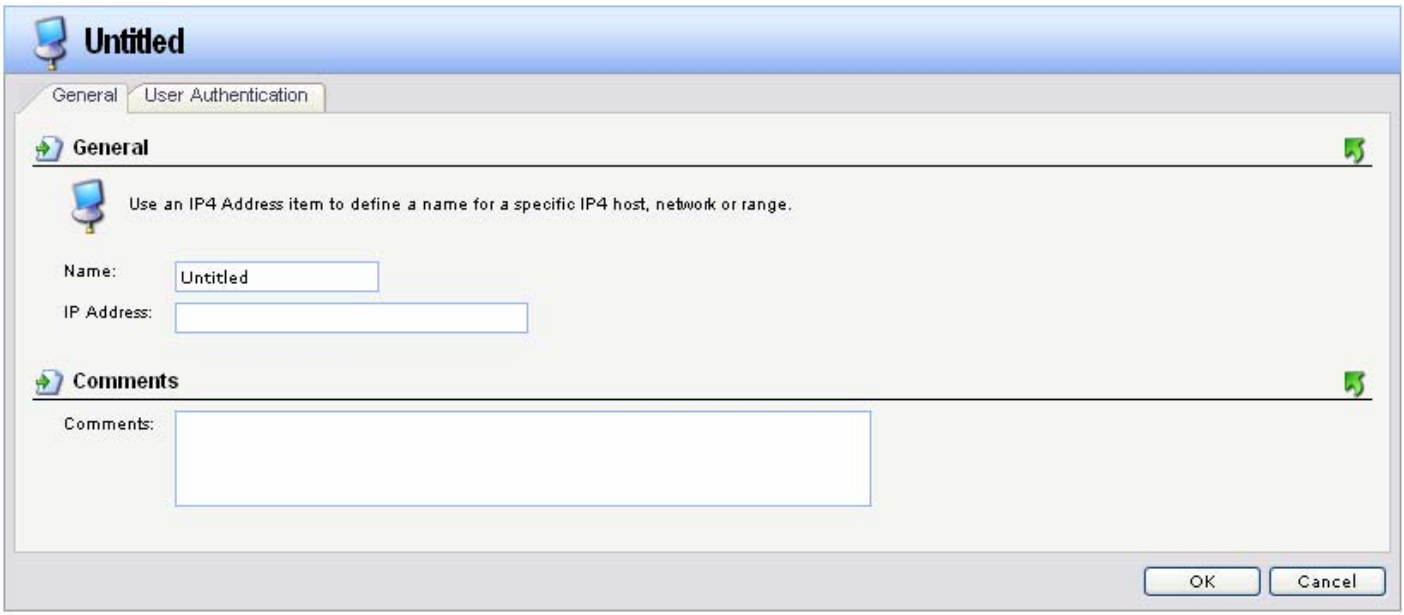

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Date and Time
DNS
Remote Management
Log and Event Receivers
DHCP Settings
DHCP Servers
DHCP Relays
Misc. Clients
Advanced Settings
IP Settings
TCP Settings
ICMP Settings
State Settings
Conn. Timeout Settings
Length Limit Settings
Fragmentation Settings
Local Reassembly Settings
SSL Settings
Objects
Rules
SSL Settings
Secure Socket Layer
Settings related to SSL (Secure Sockets Layer).
SSL Processing Priority: Normal The amount of of CPU time that SSL processing is allowed to use
TLS RSA 3DES 168 SHA1: Enable cipher RSA_WITH_3DES_168_SHA1
TLS RSA RC4 128 SHA1: Enable cipher RSA_WITH_RC4_128_SHA1
TLS RSA RC4 128 MD5: Enable cipher TLS_RSA_WITH_RC4_128_MD5
TLS RSA EXPORT 1024 RC4 56 SHA1: Enable cipher TLS_RSA_EXPORT1024_WITH_RC4_56_SHA1
TLS RSA EXPORT 1024 RC4 40 MD5: Enable cipher TLS_RSA_EXPORT1024_WITH_RC4_40_MD5
TLS RSA EXPORT 1024 RC2 40 MD5: Enable cipher TLS_RSA_EXPORT1024_WITH_RC2_40_MD5
TLS RSA EXPORT NULL SHA1: Enable cipher TLS_RSA_EXPORT_WITH_NULL_SHA1 (no encryption, just message validation)
TLS RSA EXPORT NULL MD5: Enable cipher TLS_RSA_EXPORT_WITH_NULL_MD5 (no encryption, just message validation)
OK
Cancel


SSL Settings
Secure Socket Layer
Settings related to SSL (Secure Sockets Layer).
SSL Processing Priority: Normal The amount of of CPU tir
TLS RSA 3DES 168 SHA1:
TLS RSA RC4 128 SHA1:
TLS RSA RC4 128 MD5:
TLS RSA EXPORT 1024 RC4 56 SHA1:
TLS RSA EXPORT 1024 RC4 40 MD5:
VeryHigh (about 50%)
High (about 25%)
Normal (about 17%)
Low (about 10%)
VeryLow (about 5%)
Enable cipher TLS_RSA_

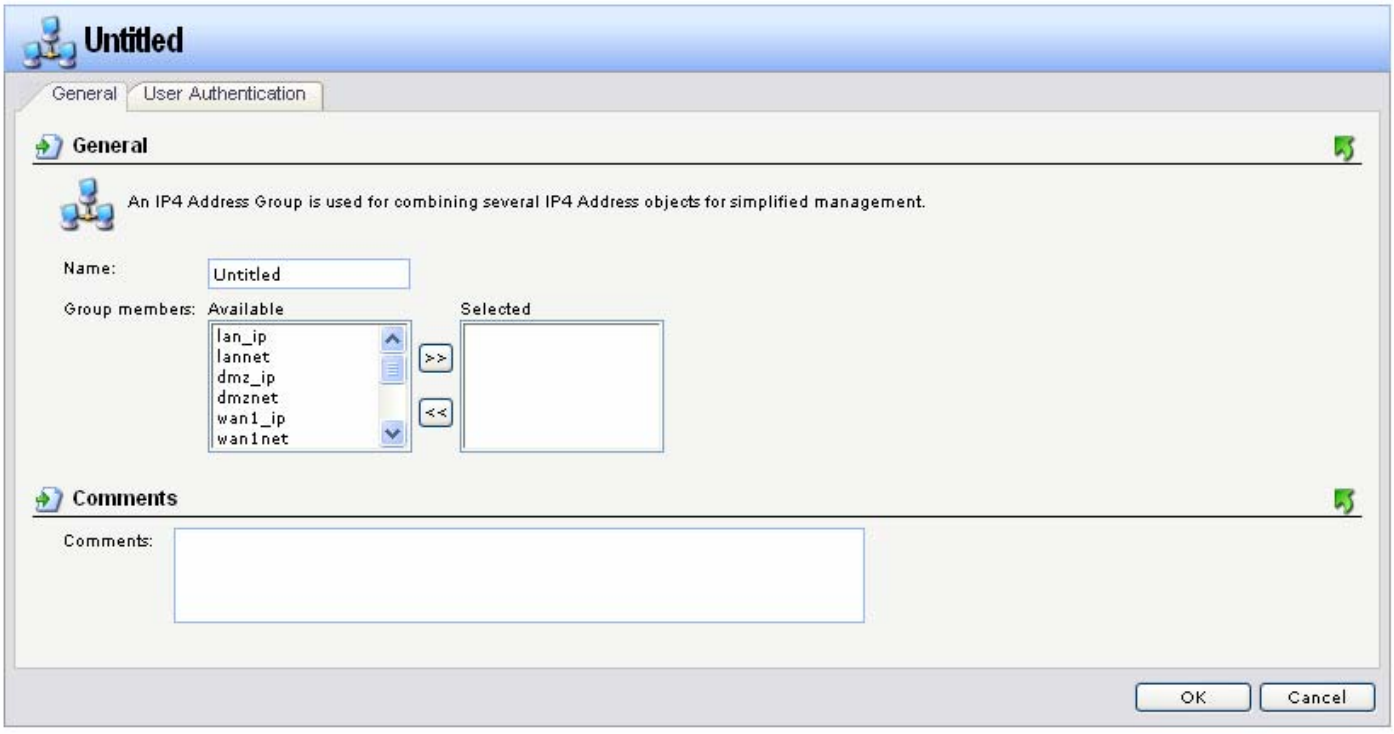

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Objects
Address Book
The Address Book contains symbolic names for various types of addresses, including IP networks and Ethernet MAC addresses.
Application Layer Gateways
Application Layer Gateways (ALGs) are protocol helpers that can parse complex protocols, such as HTTP and H.323.
Services
Services are pre-defined or user-defined objects representing various IP protocols, such as HTTP, FTP and Telnet.
Schedule Profiles
Schedules may be used to control when certain policies in the system are active.
X.509 Certificates
Manage the X.509 certificates used by various components for authentication purposes.
VPN Objects
Configure objects and settings related to Virtual Private Networking (VPN).


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
InterfaceAddresses
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
Address Book
The Address Book contains symbolic names for various types of addresses, including IP networks and Ethernet MAC addresses.
Add
Name Address UserAuthGroups Comments
0 InterfaceAddresses This folder contains addresses for interfaces
1 all-nets 0.0.0.0/0 All possible networks
Right-click on a row for further options.

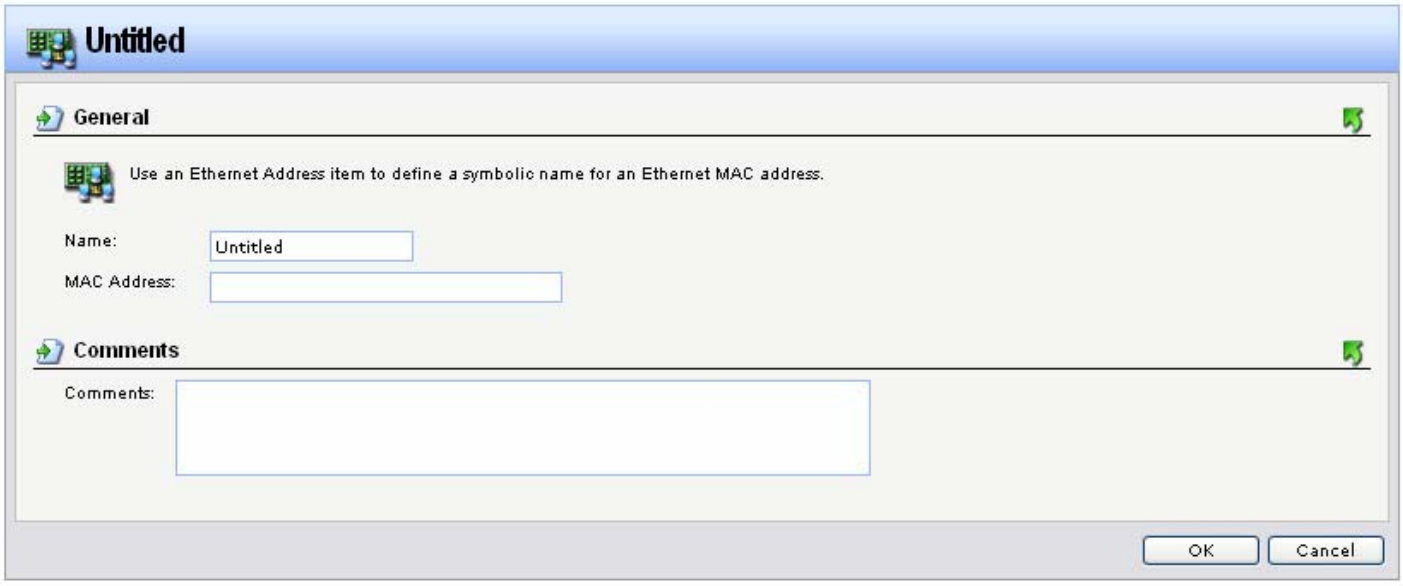

Tools
Status
Address Book
The Address Book contains sy
Add
IP4 Host/Network
IP4 Address Group
Ethernet Address
Ethernet Address Group
Address Folder

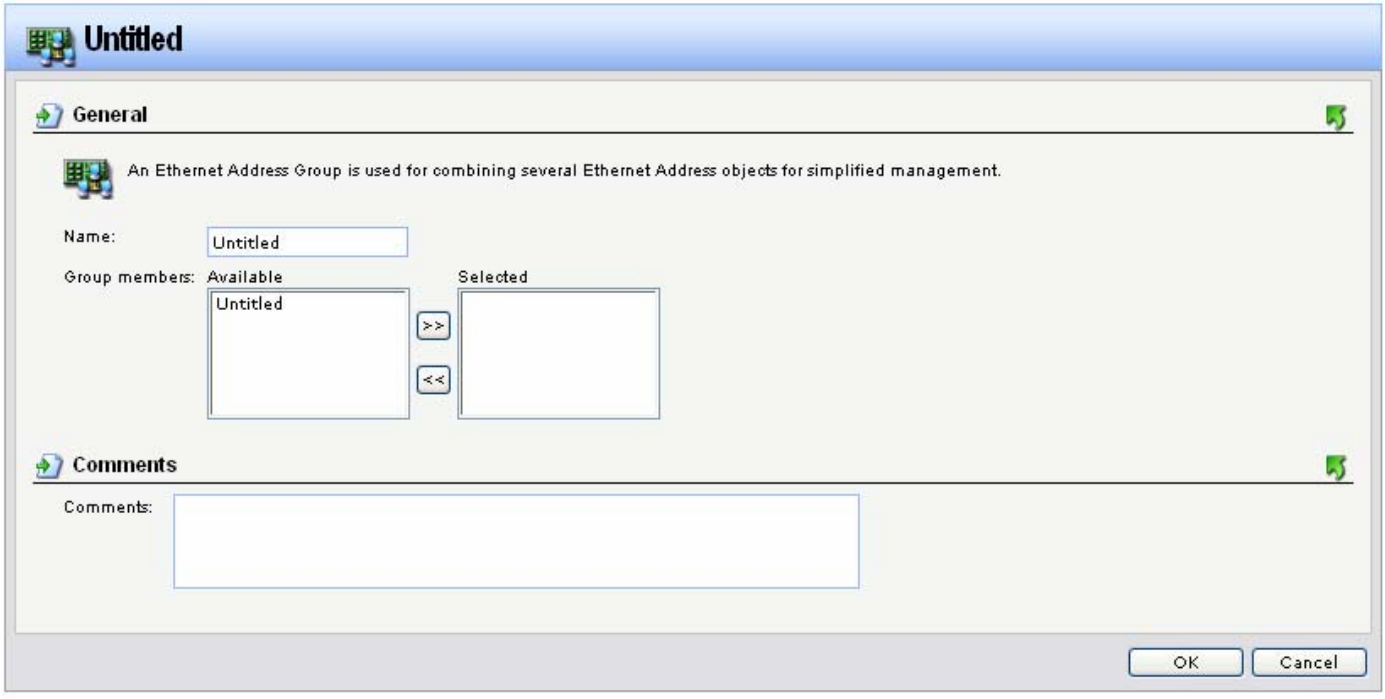

Untitled
General
User Authentication
General
Use an IP4 Address item to define a name for a specific IP4 host, network or range.
Name:
Untitled
IP Address:
Comments
Comments:
OK
Cancel

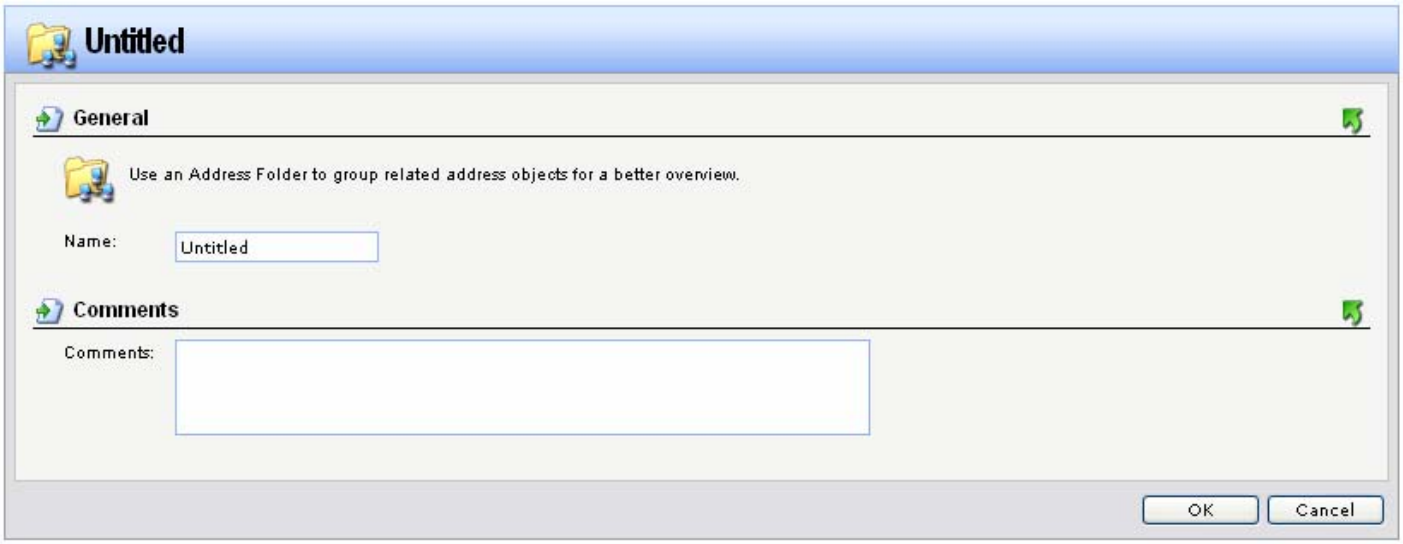

Untitled
General
User Authentication
General
Groups and user names that belong to this network object. Objects that filter on credentials can only be used as source nets and destination nets in the Rules section.
Comma-separated list of user names and groups:
No defined credentials
Checking this box specifies that this network object requires user authentication, but that it has no credentials (user names or groups) defined. This means that the network object only requires that a user is authenticated, but ignores any kind of group membership.
OK
Cancel

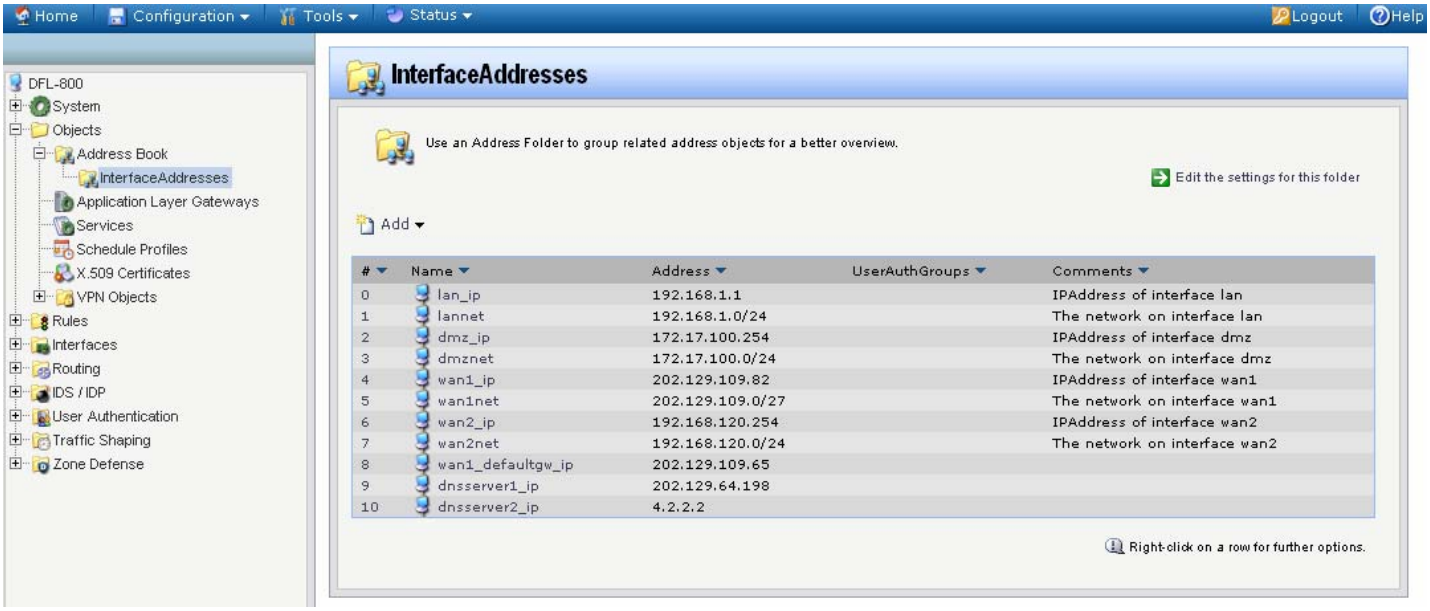

Untitled
General
User Authentication
General
An IP4 Address Group is used for combining several IP4 Address objects for simplified management.
Name:
Untitled
Group members:
Available
Selected
lan_ip
lannet
dmz_ip
dmznet
wan1_ip
wan1net
>>
<<
Comments
Comments:
OK
Cancel

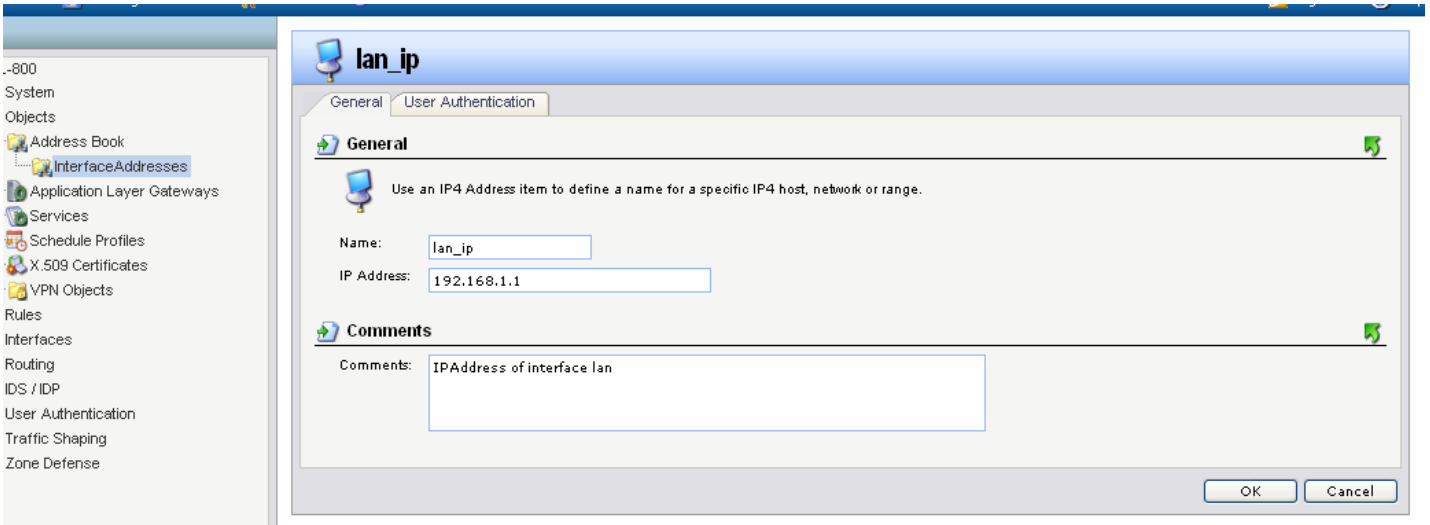

Untitled
General
User Authentication
General
Groups and user names that belong to this network object. Objects that filter on credentials can only be used as source nets and destinations nets in the Rules section.
Comma-separated list of user names and groups:
No defined credentials
Checking this box specifies that this network object requires user authentication, but that it has no credentials (user names or groups) defined. This means that the network object only requires that a user is authenticated, but ignores any kind of group membership.
OK
Cancel

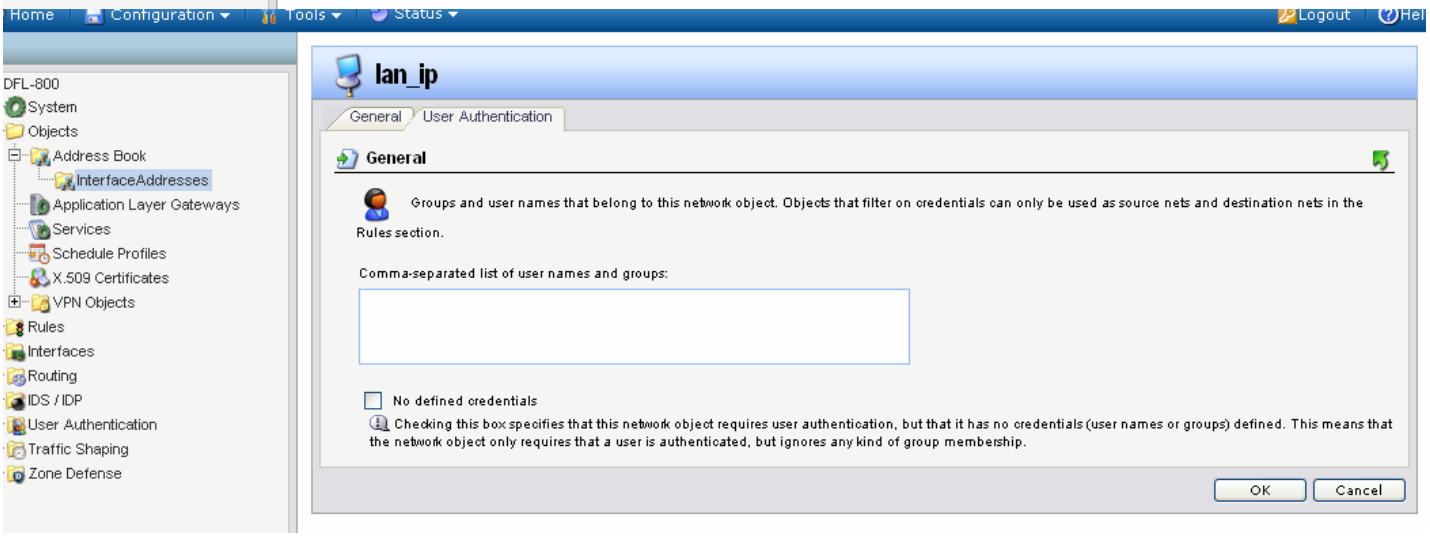

Untitled
General
Use an Ethernet Address item to define a symbolic name for an Ethernet MAC address.
Name:
Untitled
MAC Address:
Comments
Comments:
OK
Cancel


Untitled
General
An Ethernet Address Group is used for combining several Ethernet Address objects for simplified management.
Name:
Untitled
Group members:
Available
Selected
Untitled
>>
<<
Comments
Comments:
OK
Cancel

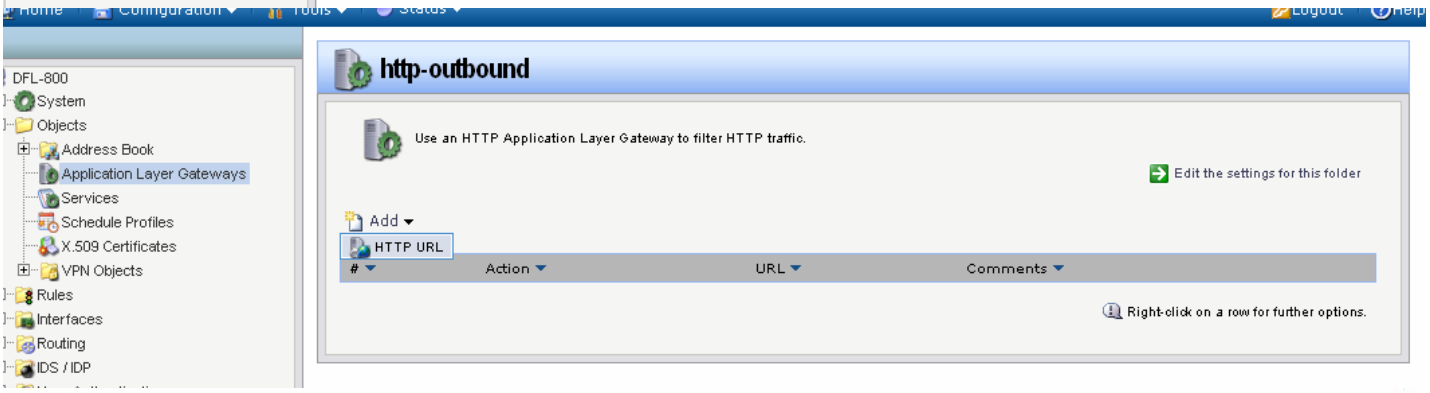

Untitled
General
Use an Address Folder to group related address objects for a better overview.
Name:
Untitled
Comments
Comments:
OK
Cancel

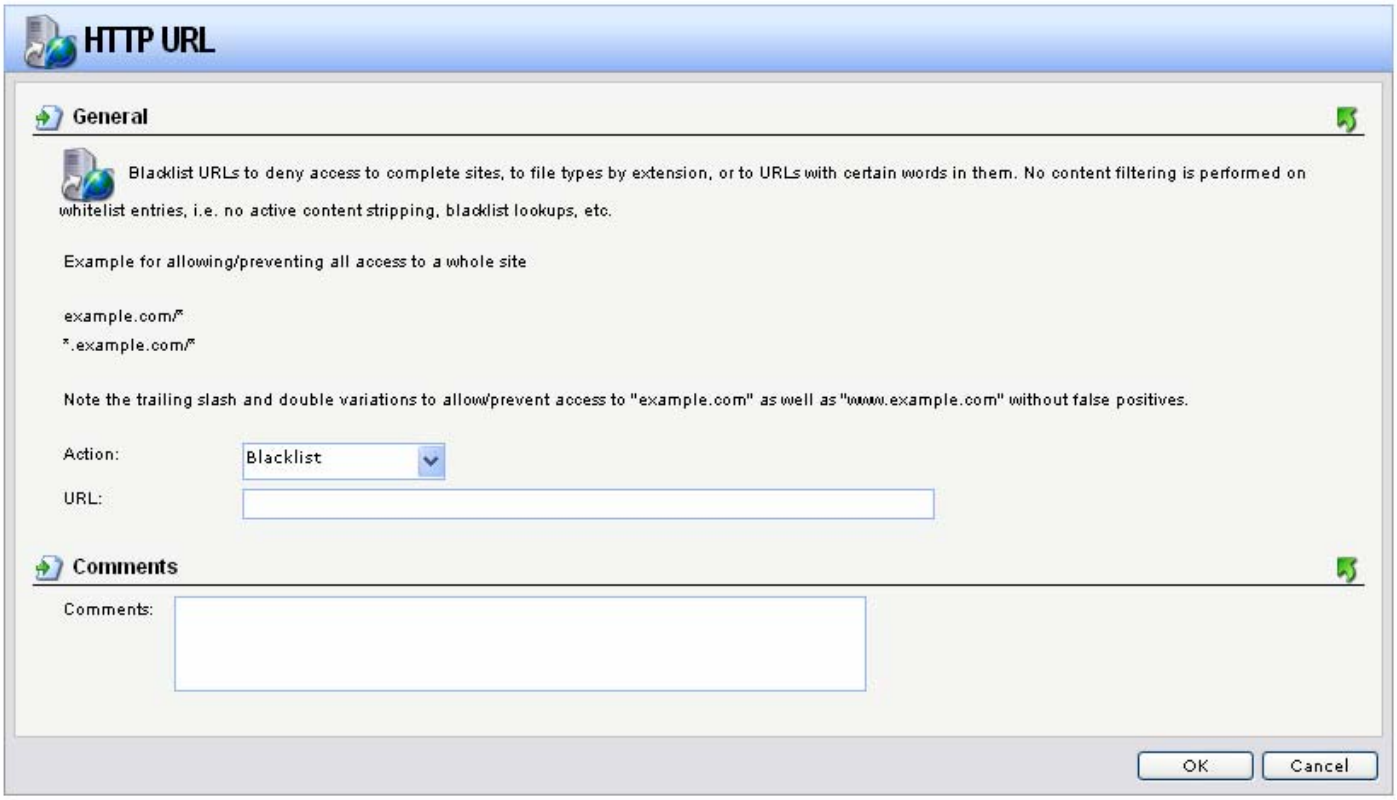

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
InterfaceAddresses
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
InterfaceAddresses
Use an Address Folder to group related address objects for a better overview.
Edit the settings for this folder
Add
Name Address UserAuthGroups Comments
0 lan_ip 192.168.1.1 IPAddress of interface lan
1 lannet 192.168.1.0/24 The network on interface lan
2 dmz_ip 172.17.100.254 IPAddress of interface dmz
3 dmznet 172.17.100.0/24 The network on interface dmz
4 wan1_ip 202.129.109.82 IPAddress of interface wan1
5 wan1net 202.129.109.0/27 The network on interface wan1
6 wan2_ip 192.168.120.254 IPAddress of interface wan2
7 wan2net 192.168.120.0/24 The network on interface wan2
8 wan1_defaultgw_ip 202.129.109.65
9 dnsserver1_ip 202.129.64.198
10 dnsserver2_ip 4.2.2.2
Right-click on a row for further options.

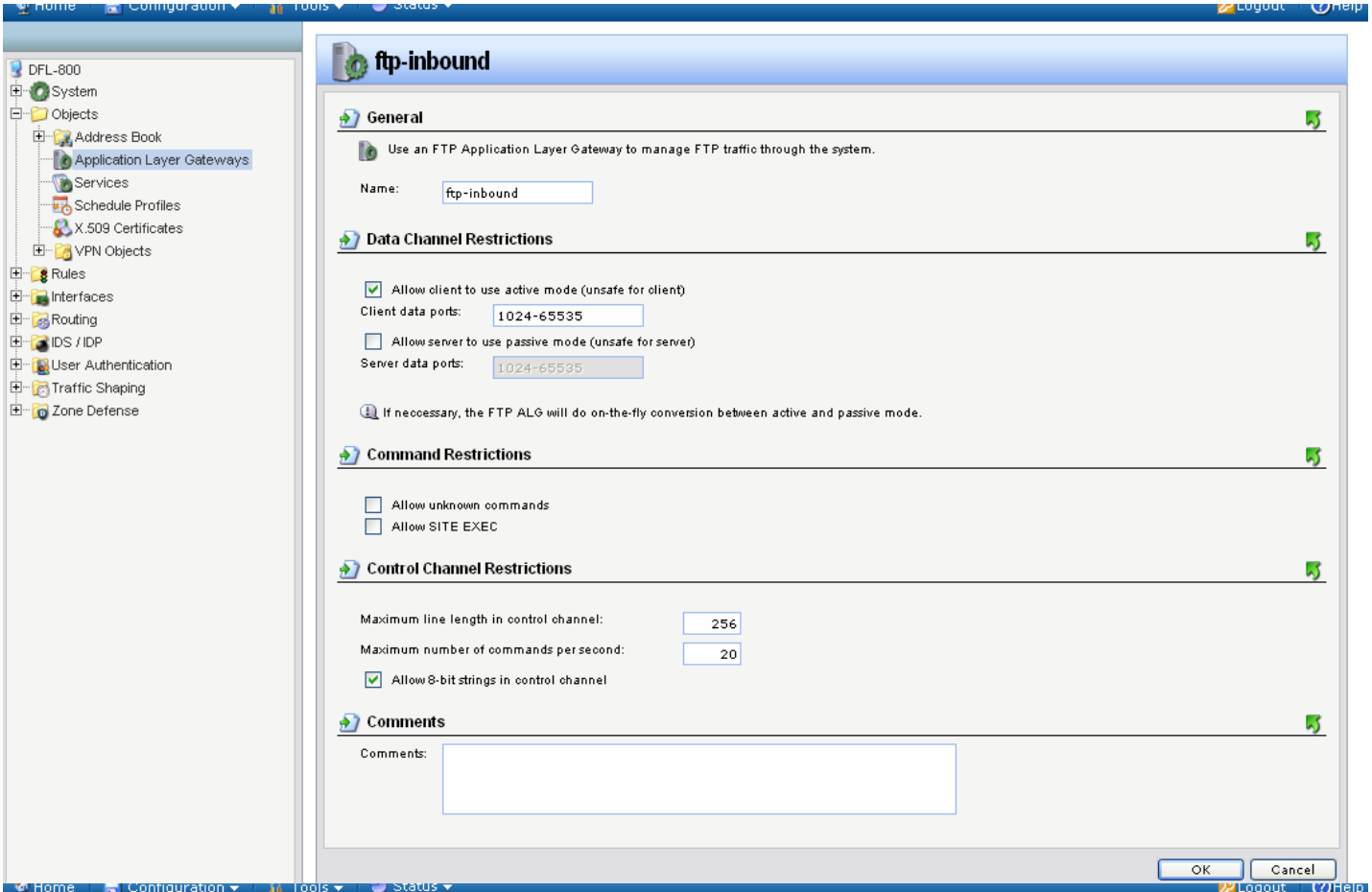

lan_ip
General
User Authentication
General
Use an IP4 Address item to define a name for a specific IP4 host, network or range.
Name: lan_ip
IP Address: 192.168.1.1
Comments
Comments: IPAddress of interface lan
OK
Cancel

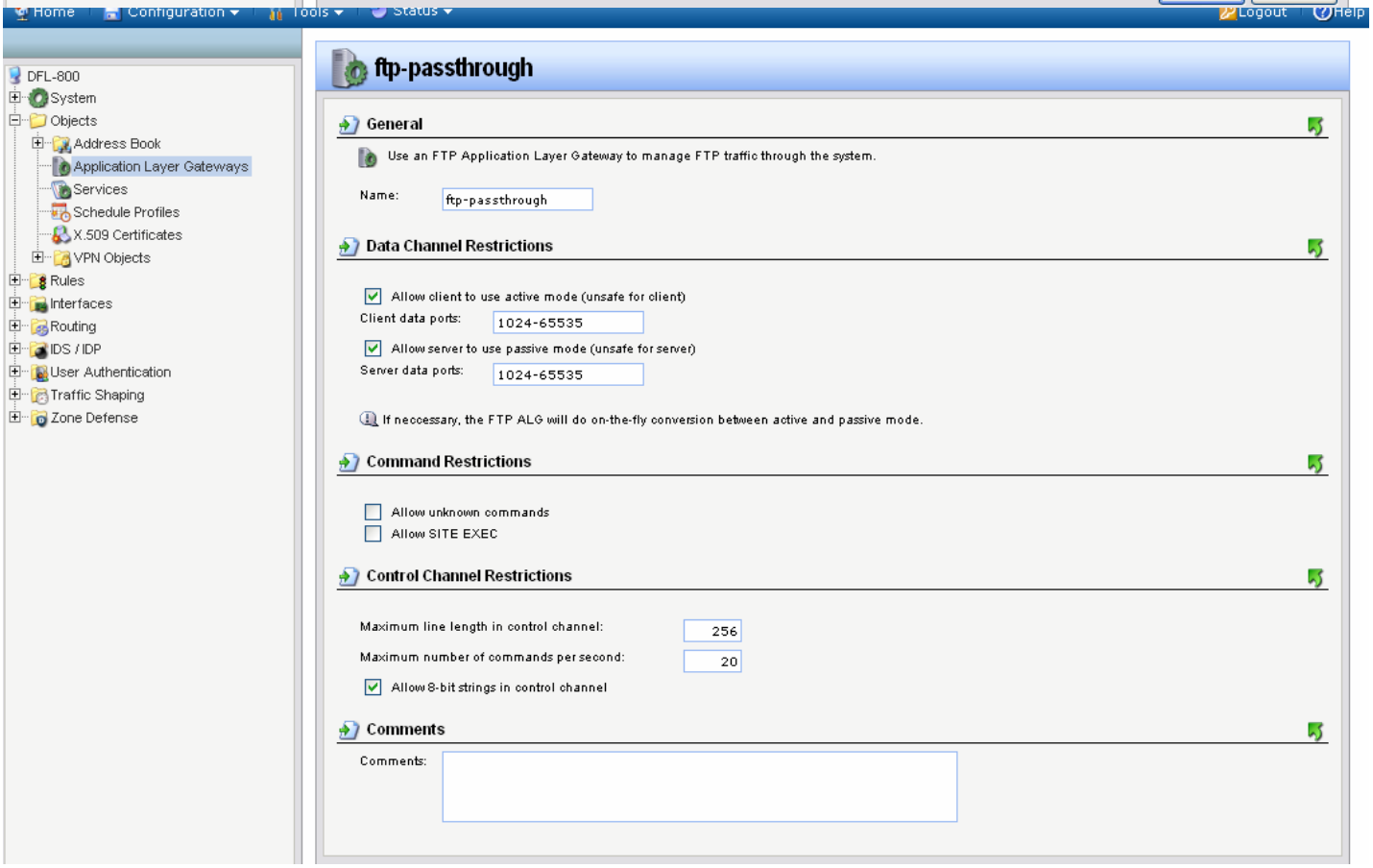

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Address Book
InterfaceAddresses
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
lan_ip
General
User Authentication
General
Groups and user names that belong to this network object. Objects that filter on credentials can only be used as source nets and destination nets in the Rules section.
Comma-separated list of user names and groups:
No defined credentials
Checking this box specifies that this network object requires user authentication, but that it has no credentials (user names or groups) defined. This means that the network object only requires that a user is authenticated, but ignores any kind of group membership.
OK
Cancel

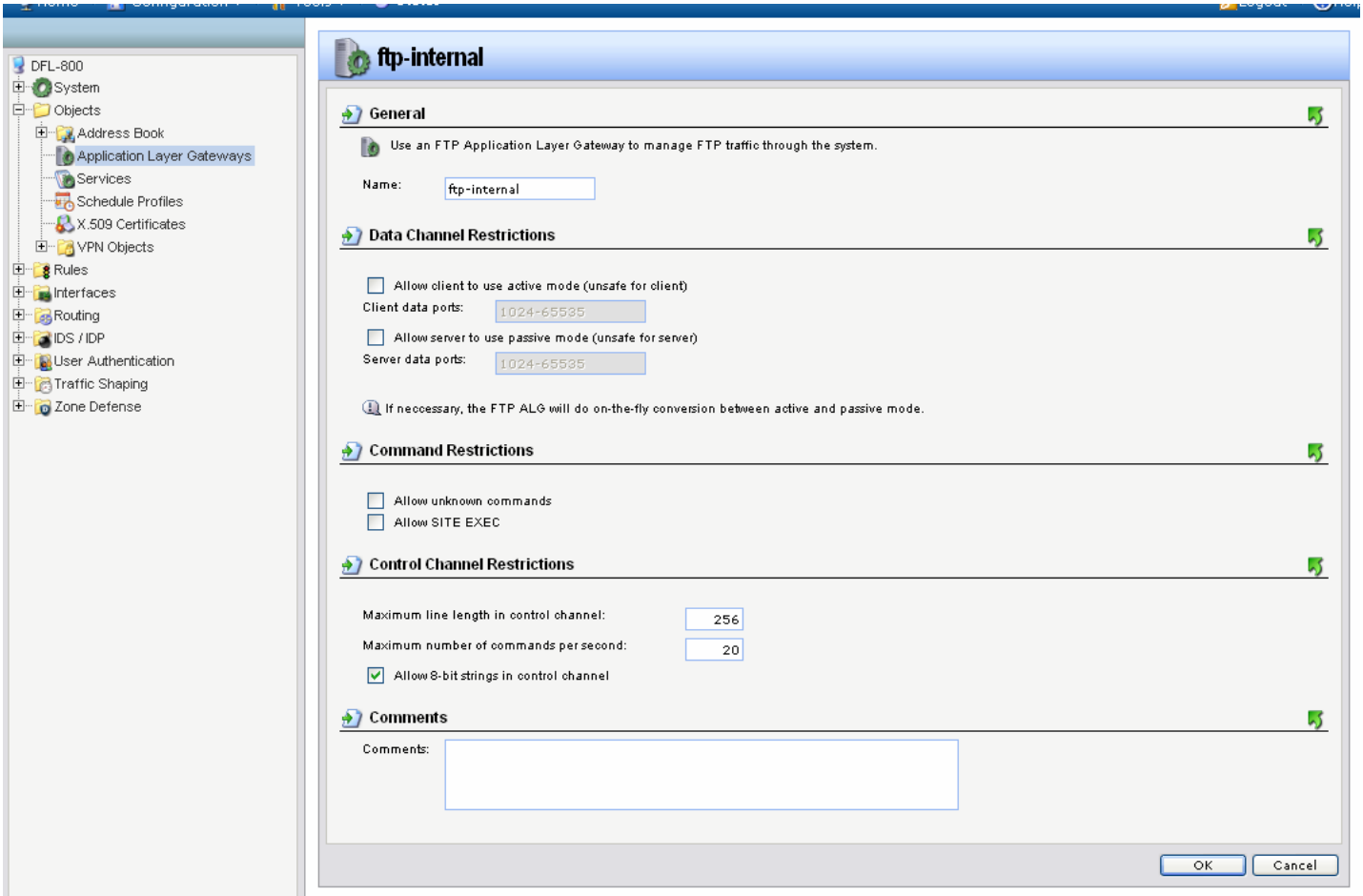

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Application Layer Gateways
Application Layer Gateways (ALGs) are protocol helpers that can parse complex protocols, such as HTTP and H.323.
Add
Name Type Parameters Comments
0 http-outbound ALG_HTTP Strip ActiveX, Strip Java Applets, Strip Scripts
1 ftp-inbound ALG_FTP Client in active mode allowed
2 ftp-outbound ALG_FTP Server in passive mode allowed
3 ftp-passthrough ALG_FTP Client in active mode allowed, Server in passive m...
4 ftp-internal ALG_FTP
5 H323 ALG_H323
Right-click on a row for further options.

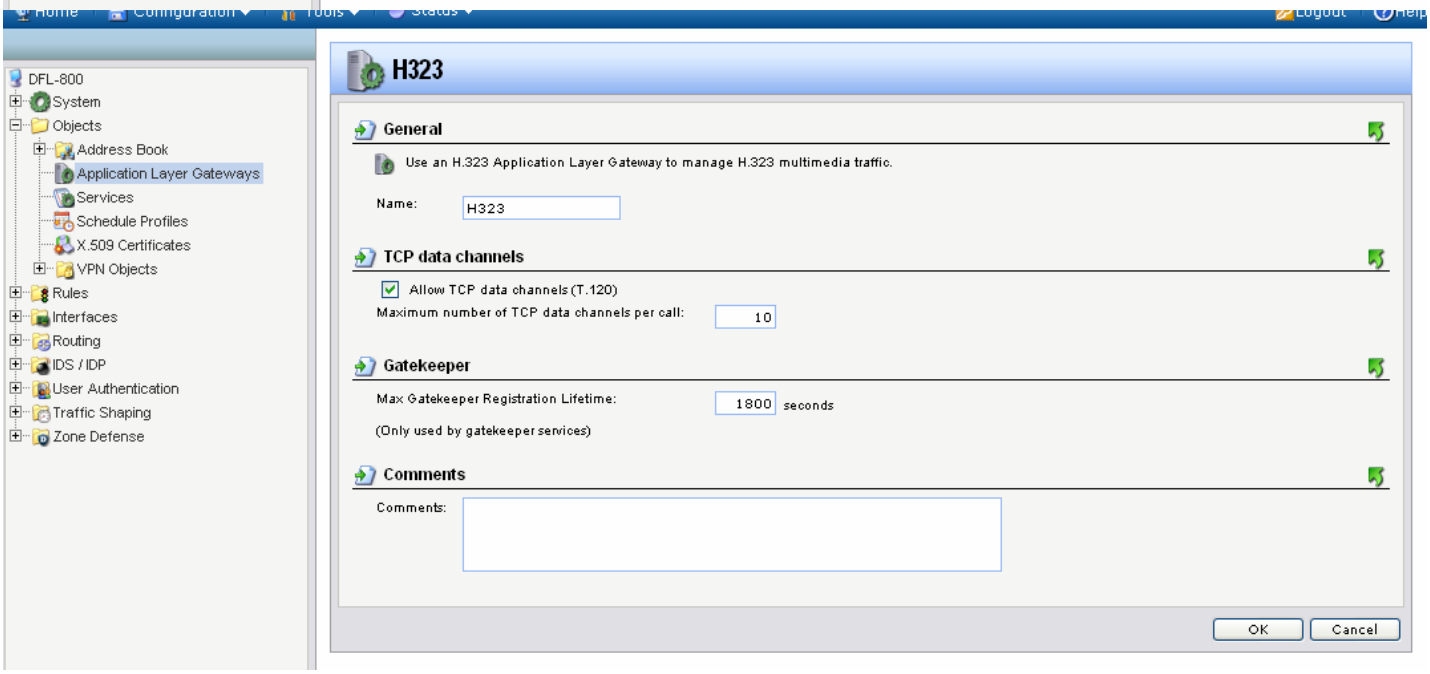

DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
http-outbound
Use an HTTP Application Layer Gateway to filter HTTP traffic.
Edit the settings for this folder
Add
HTTP URL
Action URL Comments
Right-click on a row for further options.

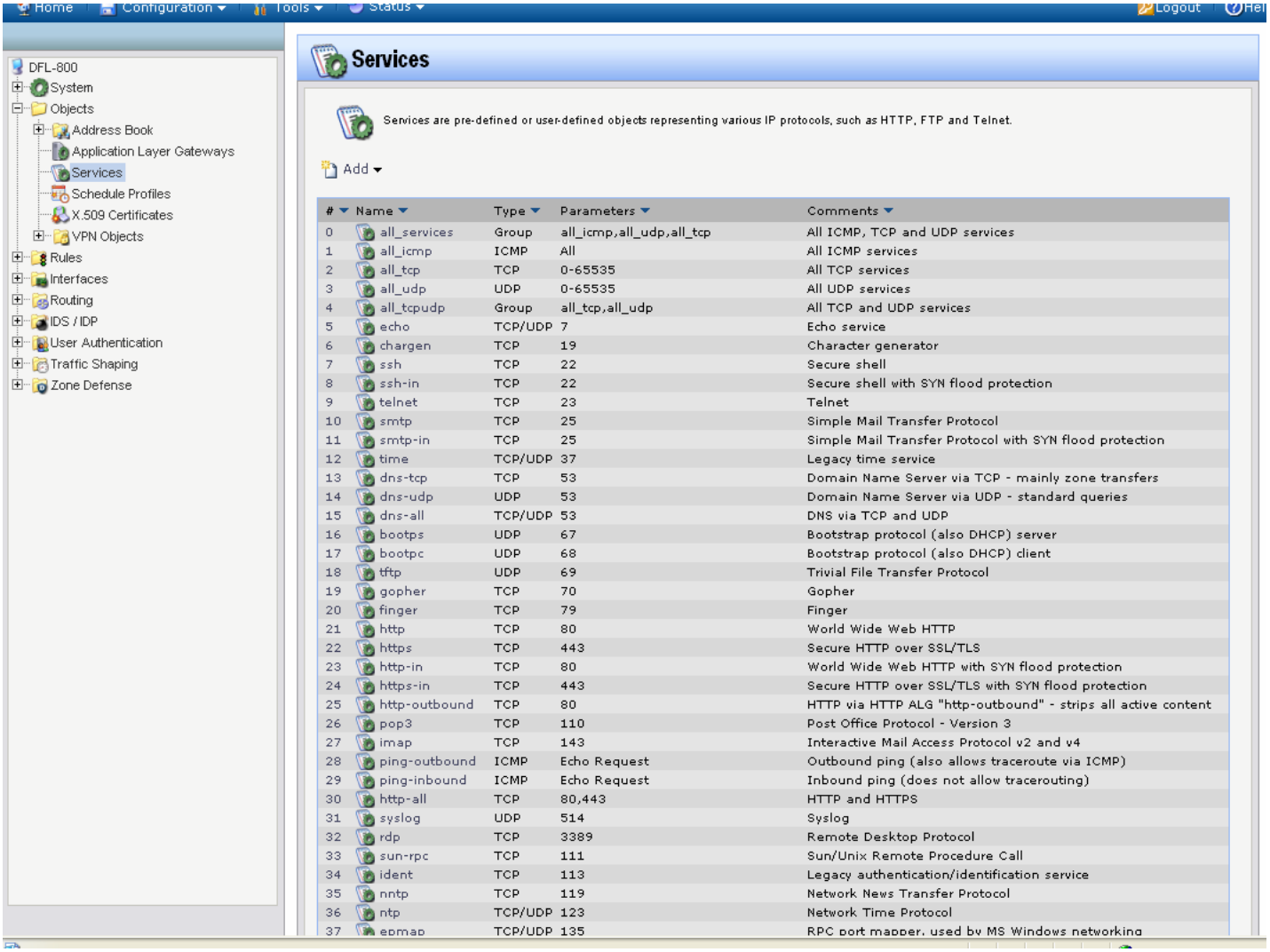

HTTP URL
General
Blacklist URLs to deny access to complete sites, to file types by extension, or to URLs with certain words in them. No content filtering is performed on whitelist entries, i.e. no active content stripping, blacklist lookups, etc.
Example for allowing/preventing all access to a whole site
example.com/*
.example.com/
Note the trailing slash and double variations to allow/prevent access to "example.com" as well as "www.example.com" without false positives.
Action:
Blacklist
URL:
Comments
Comments:
OK
Cancel


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
ftp-inbound
General
Use an FTP Application Layer Gateway to manage FTP traffic through the system.
Name:
ftp-inbound
Data Channel Restrictions
Allow client to use active mode (unsafe for client)
Client data ports:
1024-65535
Allow server to use passive mode (unsafe for server)
Server data ports:
1024-65535
If necessary, the FTP ALG will do on-the-fly conversion between active and passive mode.
Command Restrictions
Allow unknown commands
Allow SITE EXEC
Control Channel Restrictions
Maximum line length in control channel:
256
Maximum number of commands per second:
20
Allow 8-bit strings in control channel
Comments
Comments:
OK
Cancel

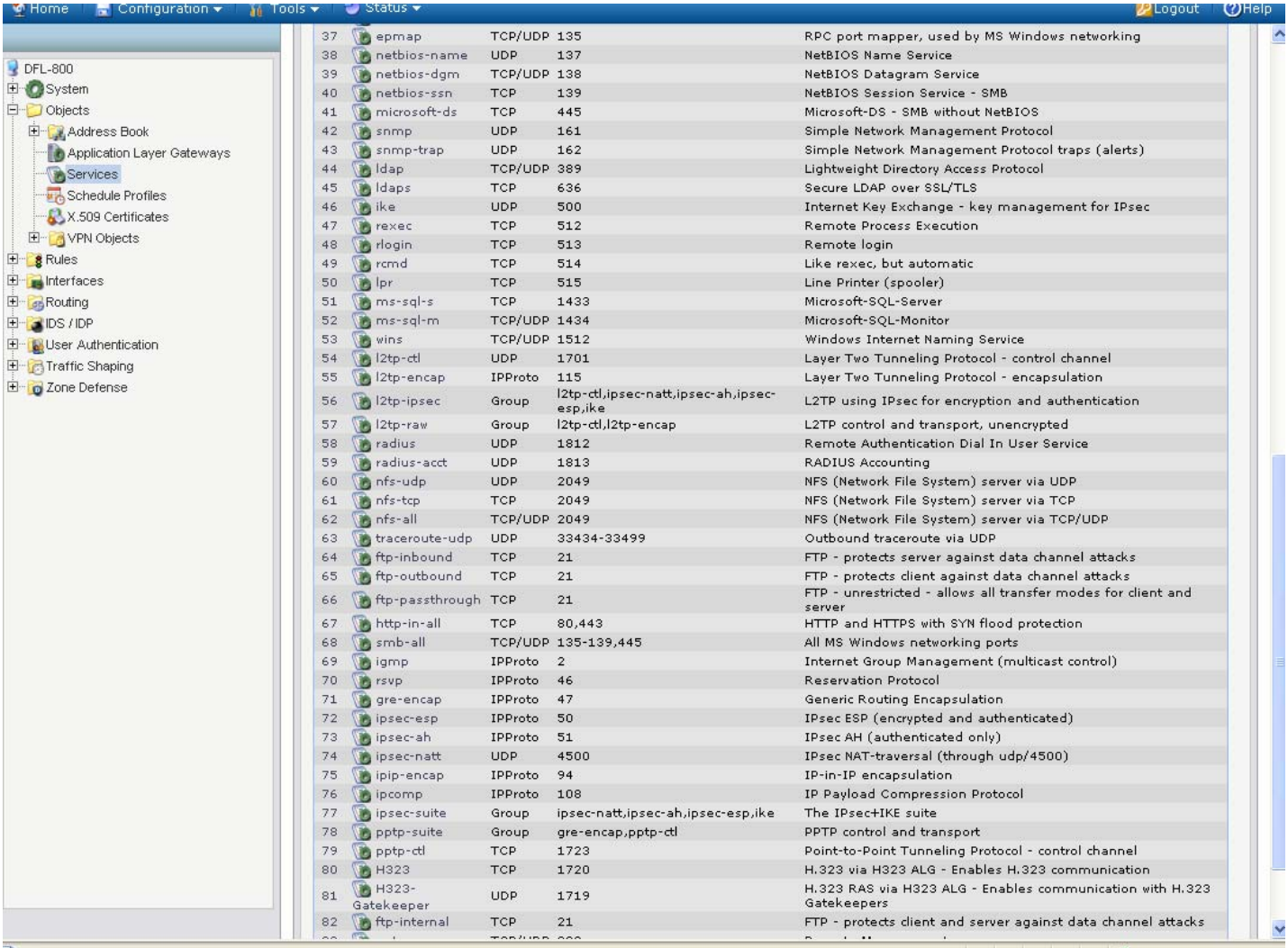

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
ftp-passthrough
General
Use an FTP Application Layer Gateway to manage FTP traffic through the system.
Name:
ftp-passthrough
Data Channel Restrictions
Allow client to use active mode (unsafe for client)
Client data ports:
1024-65535
Allow server to use passive mode (unsafe for server)
Server data ports:
1024-65535
If necessary, the FTP ALG will do on-the-fly conversion between active and passive mode.
Command Restrictions
Allow unknown commands
Allow SITE EXEC
Control Channel Restrictions
Maximum line length in control channel:
256
Maximum number of commands per second:
20
Allow 8-bit strings in control channel
Comments
Comments:


DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
ftp-internal
General
Use an FTP Application Layer Gateway to manage FTP traffic through the system.
Name:
ftp-internal
Data Channel Restrictions
Allow client to use active mode (unsafe for client)
Client data ports:
1024-65535
Allow server to use passive mode (unsafe for server)
Server data ports:
1024-65535
If necessary, the FTP ALG will do on-the-fly conversion between active and passive mode.
Command Restrictions
Allow unknown commands
Allow SITE EXEC
Control Channel Restrictions
Maximum line length in control channel:
256
Maximum number of commands per second:
20
Allow 8-bit strings in control channel
Comments
Comments:
OK
Cancel


DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
H323
General
Use an H.323 Application Layer Gateway to manage H.323 multimedia traffic.
Name:
H323
TCP data channels
Allow TCP data channels (T.120)
Maximum number of TCP data channels per call:
10
Gatekeeper
Max Gatekeeper Registration Lifetime:
1800
seconds
(Only used by gatekeeper services)
Comments
Comments:
OK
Cancel



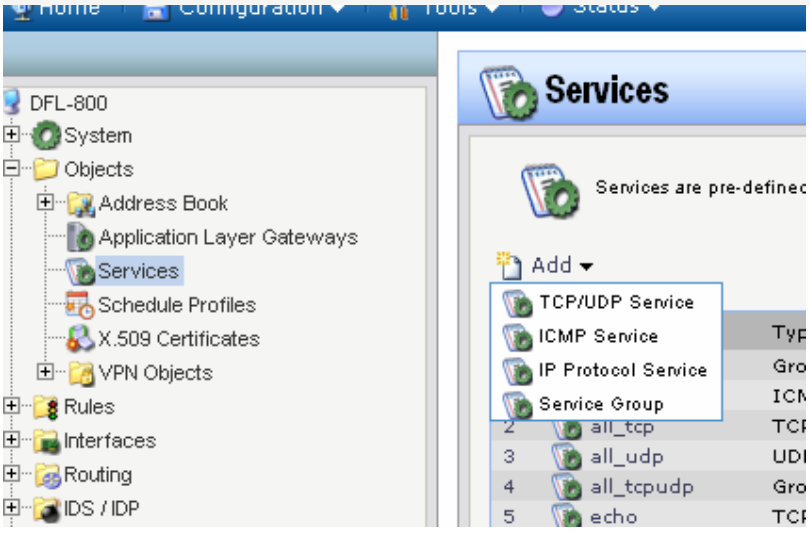
#	Name	Type	Parameters	Comments
0	all_services	Group	all_icmp,all_udp,all_tcp	All ICMP, TCP and UDP services
1	all_icmp	ICMP	All	All ICMP services
2	all_tcp	TCP	0-65535	All TCP services
3	all_udp	UDP	0-65535	All UDP services
4	all_tcpudp	Group	all_tcp,all_udp	All TCP and UDP services
5	echo	TCP/UDP	7	Echo service
6	chargen	TCP	19	Character generator
7	ssh	TCP	22	Secure shell
8	ssh-in	TCP	22	Secure shell with SYN flood protection
9	telnet	TCP	23	Telnet
10	smtp	TCP	25	Simple Mail Transfer Protocol
11	smtp-in	TCP	25	Simple Mail Transfer Protocol with SYN flood protection
12	time	TCP/UDP	37	Legacy time service
13	dns-tcp	TCP	53	Domain Name Server via TCP - mainly zone transfers
14	dns-udp	UDP	53	Domain Name Server via UDP - standard queries
15	dns-all	TCP/UDP	53	DNS via TCP and UDP
16	bootps	UDP	67	Bootstrap protocol (also DHCP) server
17	bootpc	UDP	68	Bootstrap protocol (also DHCP) client
18	tftp	UDP	69	Trivial File Transfer Protocol
19	gopher	TCP	70	Gopher
20	finger	TCP	79	Finger
21	http	TCP	80	World Wide Web HTTP
22	https	TCP	443	Secure HTTP over SSL/TLS
23	http-in	TCP	80	World Wide Web HTTP with SYN flood protection
24	https-in	TCP	443	Secure HTTP over SSL/TLS with SYN flood protection
25	http-outbound	TCP	80	HTTP via HTTP ALG "http-outbound" - strips all active content
26	pop3	TCP	110	Post Office Protocol - Version 3
27	imap	TCP	143	Interactive Mail Access Protocol v2 and v4
28	ping-outbound	ICMP	Echo Request	Outbound ping (also allows traceroute via ICMP)
29	ping-inbound	ICMP	Echo Request	Inbound ping (does not allow tracerouting)
30	http-all	TCP	80,443	HTTP and HTTPS
31	syslog	UDP	514	Syslog
32	rdp	TCP	3389	Remote Desktop Protocol
33	sun-rpc	TCP	111	Sun/Unix Remote Procedure Call
34	ident	TCP	113	Legacy authentication/identification service
35	nntp	TCP	119	Network News Transfer Protocol
36	ntp	TCP/UDP	123	Network Time Protocol
37	epmap	TCP/UDP	135	RPC port mapper, used by MS Windows networking

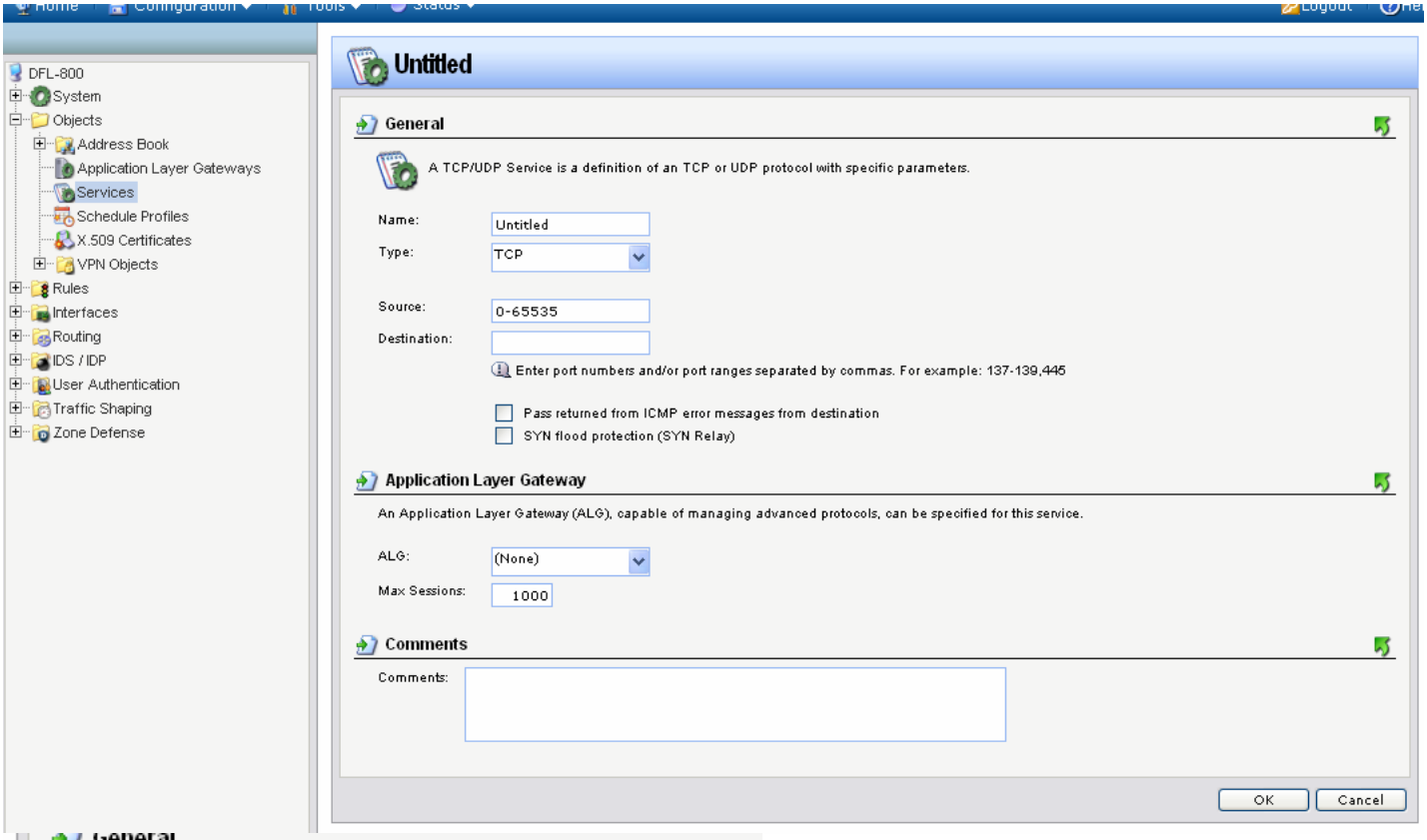


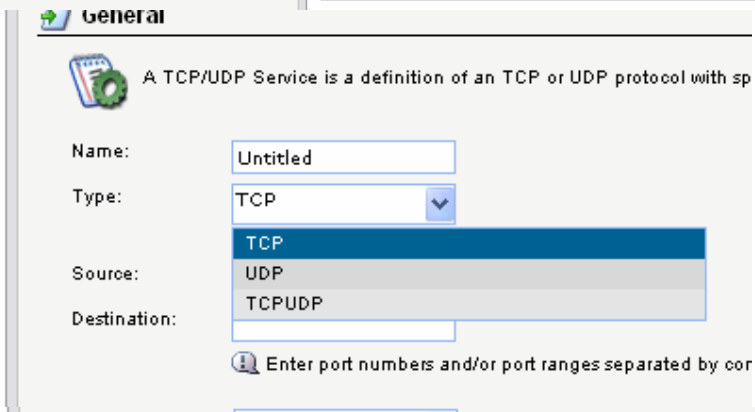
37	epmap	TCP/UDP	135	RPC port mapper, used by MS Windows networking
38	netbios-name	UDP	137	NetBIOS Name Service
39	netbios-dgm	TCP/UDP	138	NetBIOS Datagram Service
40	netbios-ssn	TCP	139	NetBIOS Session Service - SMB
41	microsoft-ds	TCP	445	Microsoft-DS - SMB without NetBIOS
42	snmp	UDP	161	Simple Network Management Protocol
43	snmp-trap	UDP	162	Simple Network Management Protocol traps (alerts)
44	ldap	TCP/UDP	389	Lightweight Directory Access Protocol
45	ldaps	TCP	636	Secure LDAP over SSL/TLS
46	ike	UDP	500	Internet Key Exchange - key management for IPsec
47	rexec	TCP	512	Remote Process Execution
48	rlogin	TCP	513	Remote login
49	rcmd	TCP	514	Like rexec, but automatic
50	lpr	TCP	515	Line Printer (spooler)
51	ms-sql-s	TCP	1433	Microsoft-SQL-Server
52	ms-sql-m	TCP/UDP	1434	Microsoft-SQL-Monitor
53	wins	TCP/UDP	1512	Windows Internet Naming Service
54	l2tp-ctl	UDP	1701	Layer Two Tunneling Protocol - control channel
55	l2tp-encap	IPProto	115	Layer Two Tunneling Protocol - encapsulation
56	l2tp-ipsec	Group	l2tp-ctl,ipsec-natt,ipsec-ah,ipsec-esp,ike	L2TP using IPsec for encryption and authentication
57	l2tp-raw	Group	l2tp-ctl,l2tp-encap	L2TP control and transport, unencrypted
58	radius	UDP	1812	Remote Authentication Dial In User Service
59	radius-acct	UDP	1813	RADIUS Accounting
60	nfs-udp	UDP	2049	NFS (Network File System) server via UDP
61	nfs-tcp	TCP	2049	NFS (Network File System) server via TCP
62	nfs-all	TCP/UDP	2049	NFS (Network File System) server via TCP/UDP
63	traceroute-udp	UDP	33434-33499	Outbound traceroute via UDP
64	ftp-inbound	TCP	21	FTP - protects server against data channel attacks
65	ftp-outbound	TCP	21	FTP - protects client against data channel attacks
66	ftp-passthrough	TCP	21	FTP - unrestricted - allows all transfer modes for client and server
67	http-in-all	TCP	80,443	HTTP and HTTPS with SYN flood protection
68	smb-all	TCP/UDP	135-139,445	All MS Windows networking ports
69	igmp	IPProto	2	Internet Group Management (multicast control)
70	rsvp	IPProto	46	Reservation Protocol
71	gre-encap	IPProto	47	Generic Routing Encapsulation
72	ipsec-esp	IPProto	50	IPsec ESP (encrypted and authenticated)
73	ipsec-ah	IPProto	51	IPsec AH (authenticated only)
74	ipsec-natt	UDP	4500	IPsec NAT-traversal (through udp/4500)
75	ipip-encap	IPProto	94	IP-in-IP encapsulation
76	ipcomp	IPProto	108	IP Payload Compression Protocol
77	ipsec-suite	Group	ipsec-natt,ipsec-ah,ipsec-esp,ike	The IPsec+IKE suite
78	pptp-suite	Group	gre-encap,pptp-ctl	PPTP control and transport
79	pptp-ctl	TCP	1723	Point-to-Point Tunneling Protocol - control channel
80	H323	TCP	1720	H.323 via H323 ALG - Enables H.323 communication
81	H323-Gatekeeper	UDP	1719	H.323 RAS via H323 ALG - Enables communication with H.323 Gatekeepers
82	ftp-internal	TCP	21	FTP - protects client and server against data channel attacks

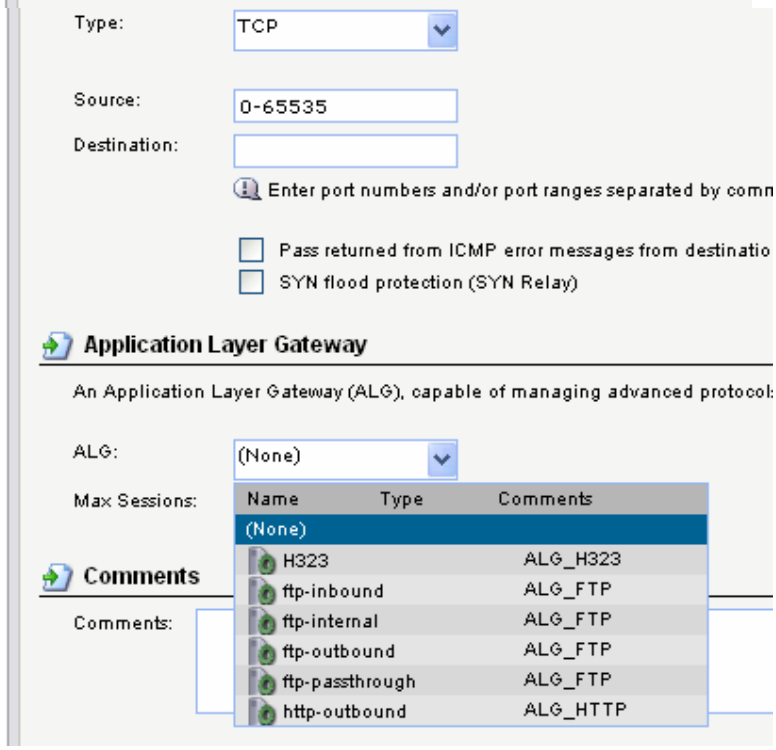
Gatekeeper UDP 1719 Gatekeepers
82 ftp-internal TCP 21 FTP - protects client and server against data channel attacks
83 netcon TCP/UDP 999 Remote Management

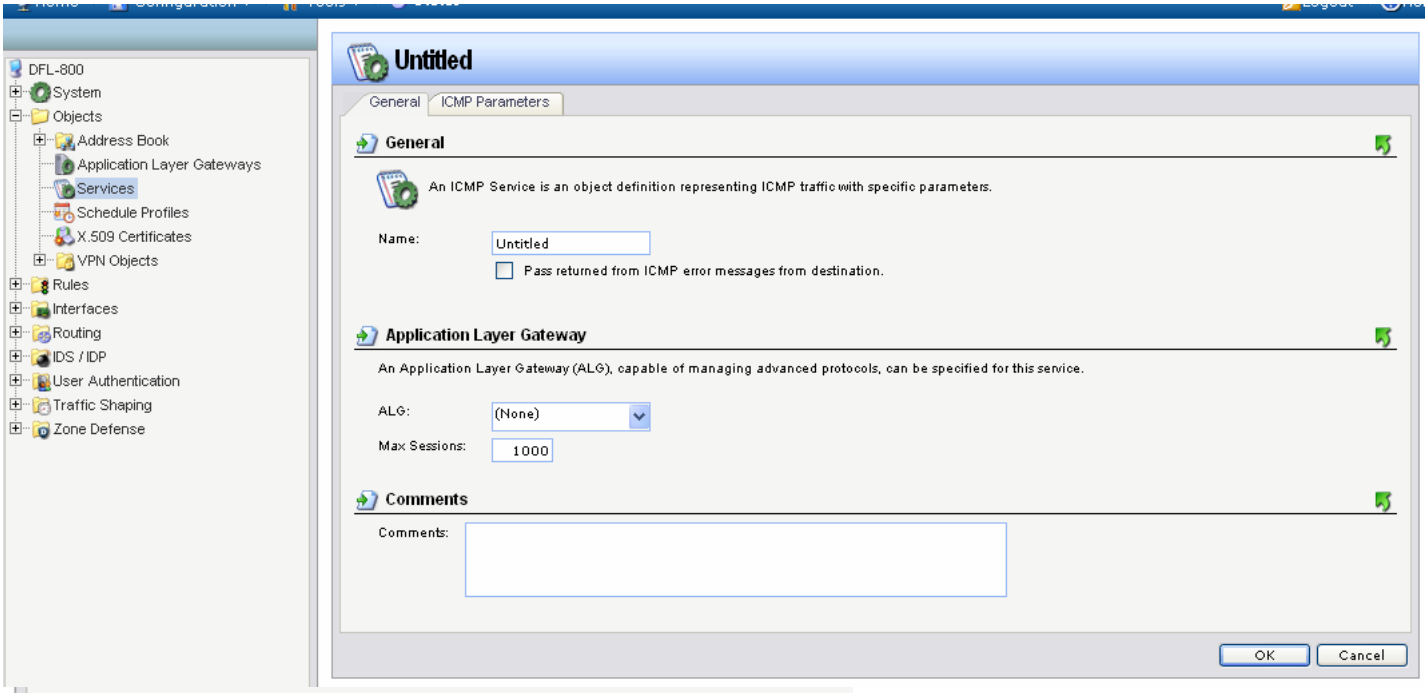
Right-click on a row for further options.

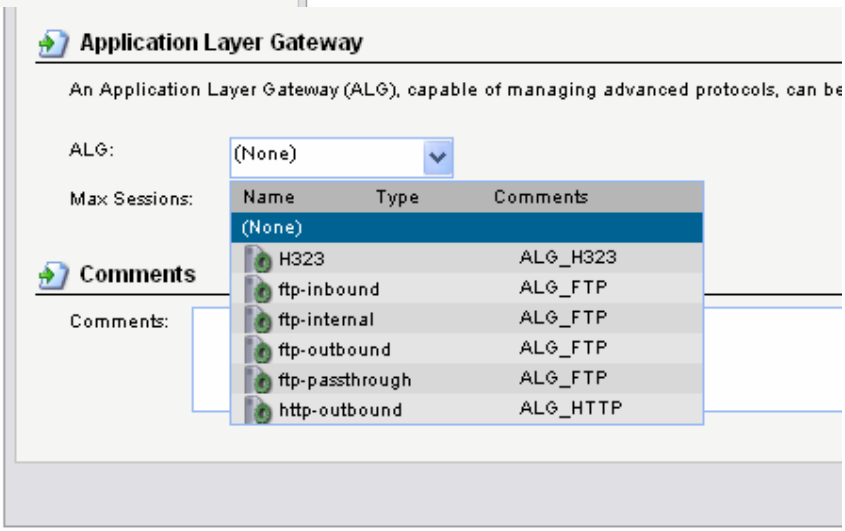


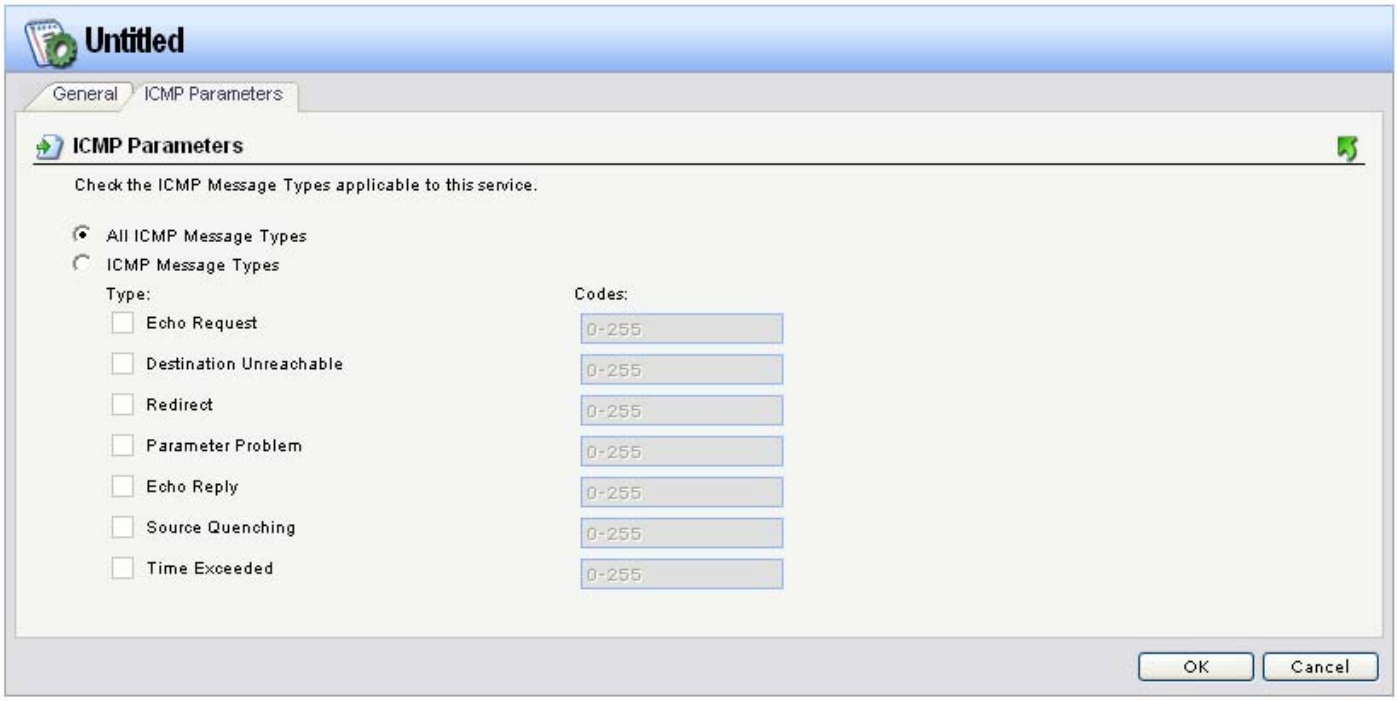

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
A TCP/UDP Service is a definition of an TCP or UDP protocol with specific parameters.
Name:
Untitled
Type:
TCP
Source:
0-65535
Destination:
Enter port numbers and/or port ranges separated by commas. For example: 137-139,445
Pass returned from ICMP error messages from destination
SYN flood protection (SYN Relay)
Application Layer Gateway
An Application Layer Gateway (ALG), capable of managing advanced protocols, can be specified for this service.
ALG:
(None)
Max Sessions:
1000
Comments
Comments:
OK
Cancel

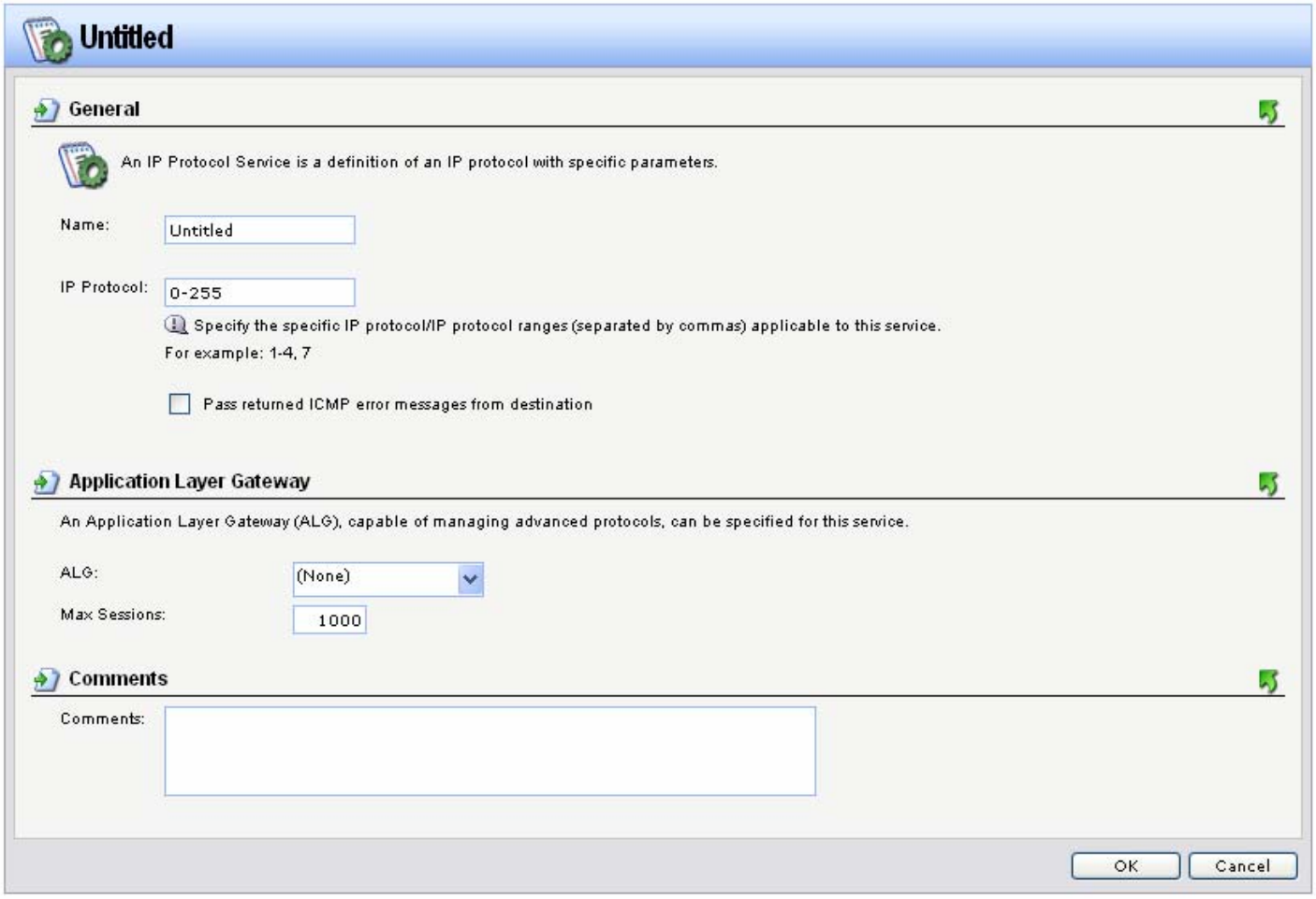

General
A TCP/UDP Service is a definition of an TCP or UDP protocol with sp
Name:
Untitled
Type:
TCP
TCP
UDP
TCPUDP
Source:
Destination:
Enter port numbers and/or port ranges separated by cor

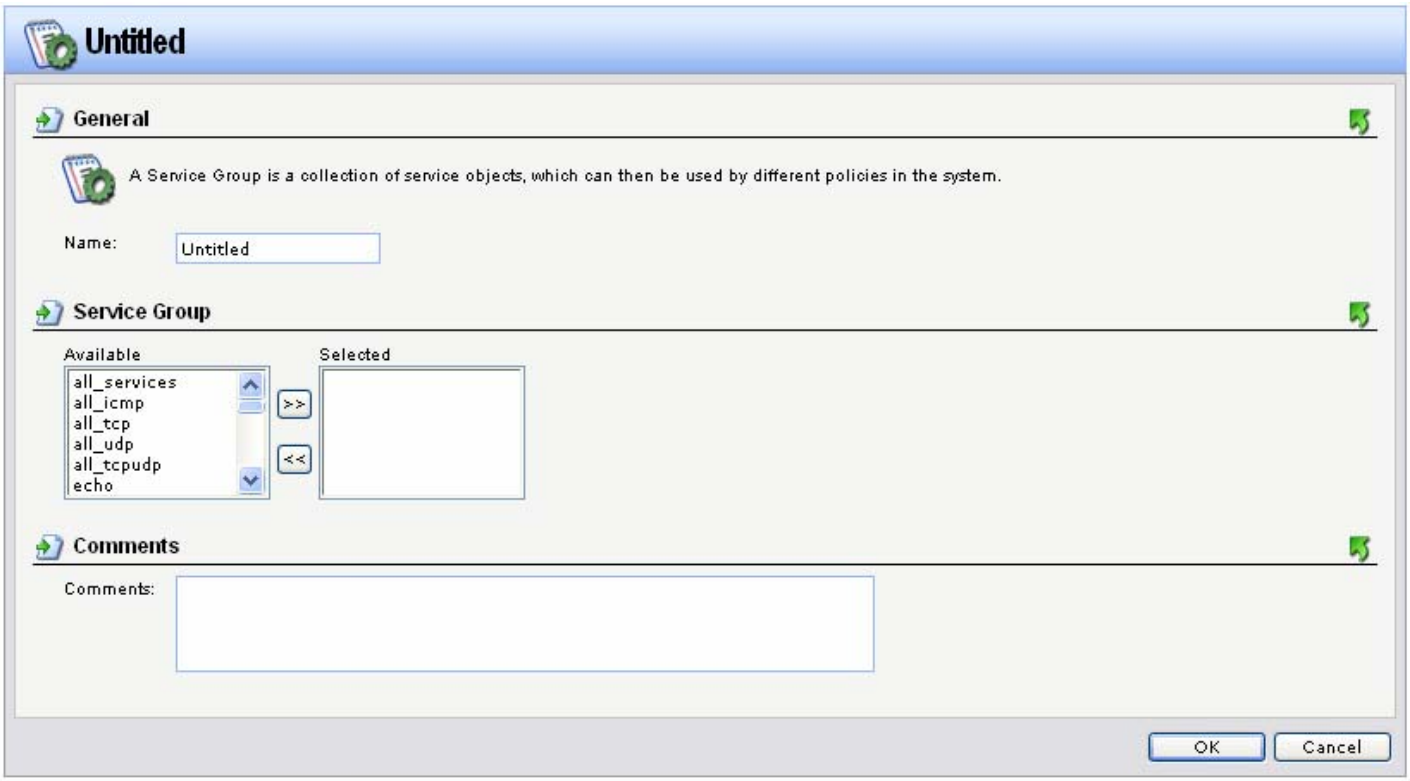

Type:
TCP
Source:
0-65535
Destination:
Enter port numbers and/or port ranges separated by comn
Pass returned from ICMP error messages from destinatio
SYN flood protection (SYN Relay)
Application Layer Gateway
An Application Layer Gateway (ALG), capable of managing advanced protocol
ALG:
(None)
Max Sessions:
Name
Type
Comments
(None)
H323
ALG_H323
ftp-inbound
ALG_FTP
ftp-internal
ALG_FTP
ftp-outbound
ALG_FTP
ftp-passthrough
ALG_FTP
http-outbound
ALG_HTTP
Comments
Comments:

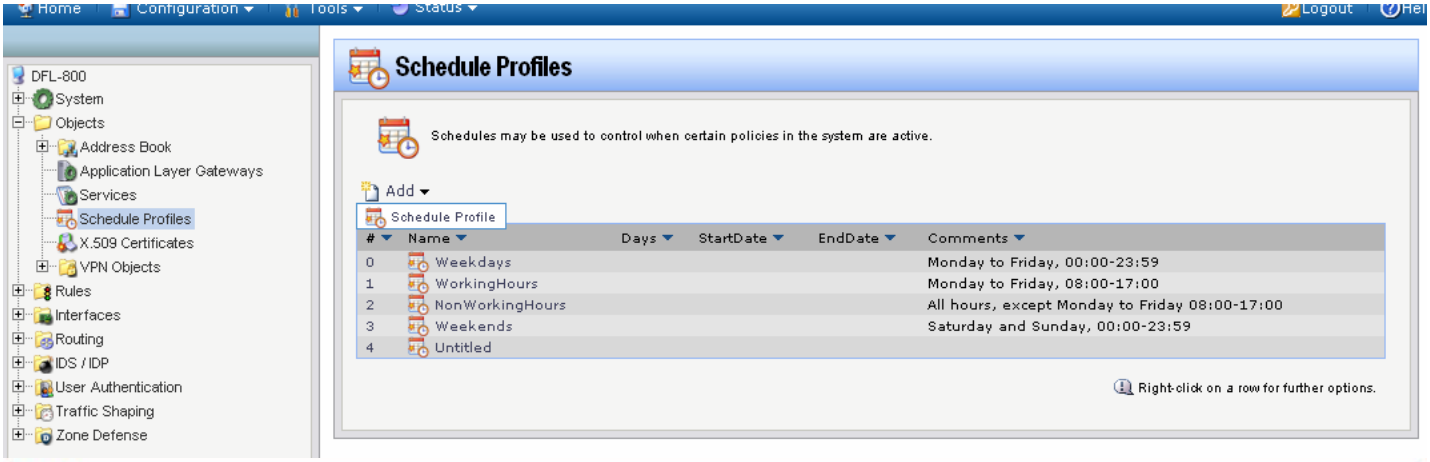

DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
ICMP Parameters
General
An ICMP Service is an object definition representing ICMP traffic with specific parameters.
Name:
Untitled
Pass returned from ICMP error messages from destination.
Application Layer Gateway
An Application Layer Gateway (ALG), capable of managing advanced protocols, can be specified for this service.
ALG:
(None)
Max Sessions:
1000
Comments
Comments:
OK
Cancel

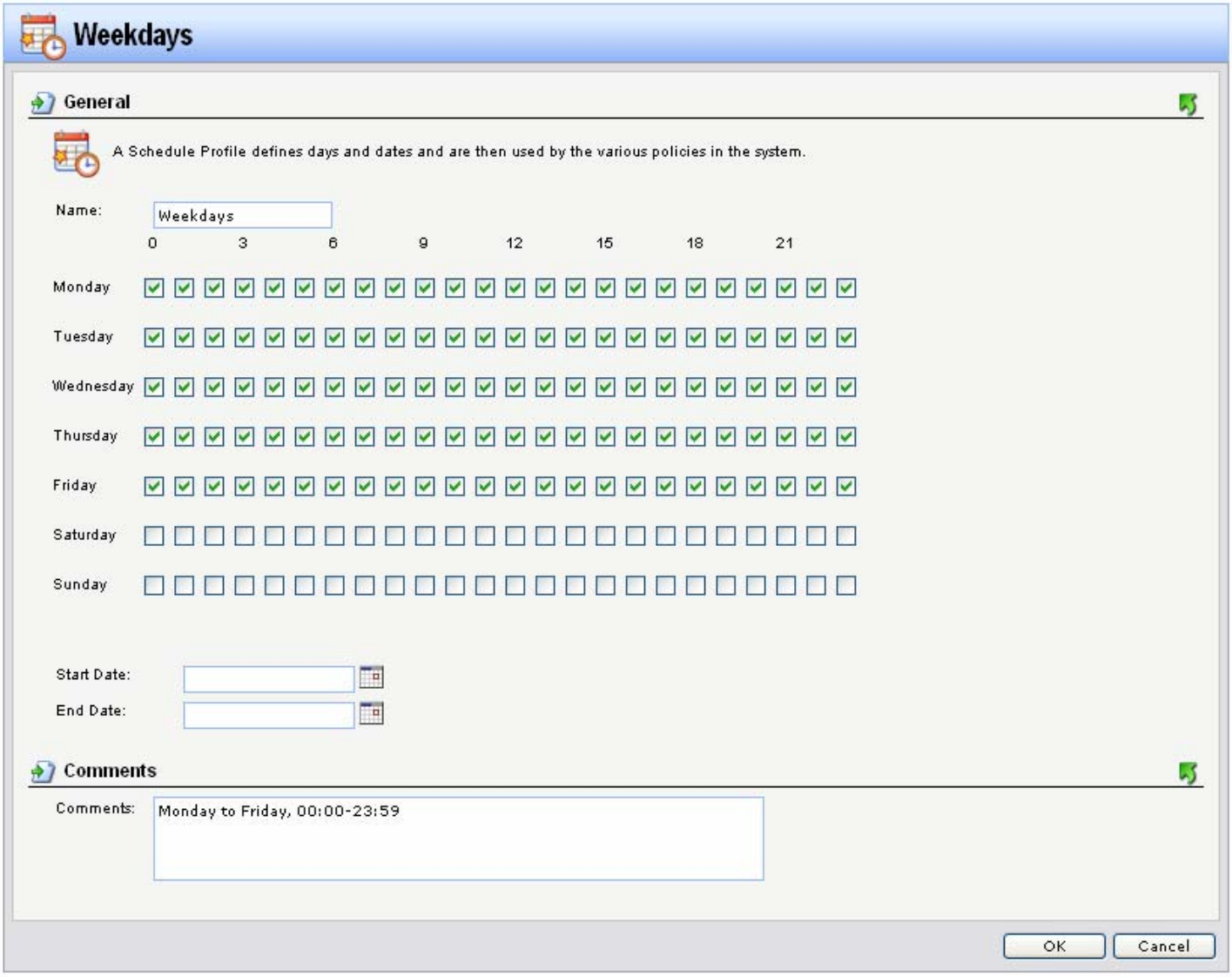

Application Layer Gateway
An Application Layer Gateway (ALG), capable of managing advanced protocols, can be
ALG:
(None)
Max Sessions:
Name
Type
Comments
(None)
H323
ALG_H323
ftp-inbound
ALG_FTP
ftp-internal
ALG_FTP
ftp-outbound
ALG_FTP
ftp-passthrough
ALG_FTP
http-outbound
ALG_HTTP
Comments
Comments:

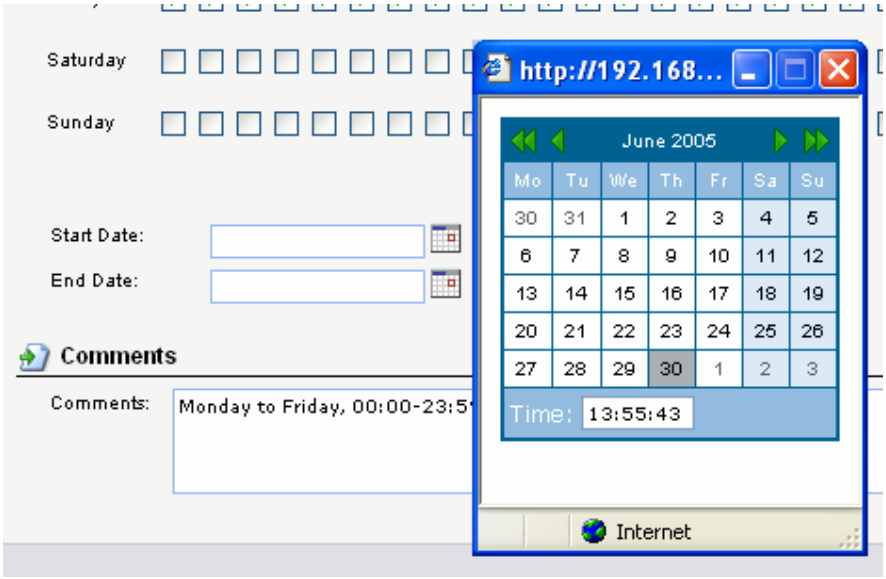

Untitled
General
ICMP Parameters
ICMP Parameters
Check the ICMP Message Types applicable to this service.
All ICMP Message Types
ICMP Message Types
Type:
Codes:
Echo Request
Destination Unreachable
Redirect
Parameter Problem
Echo Reply
Source Quenching
Time Exceeded
0-255
OK
Cancel

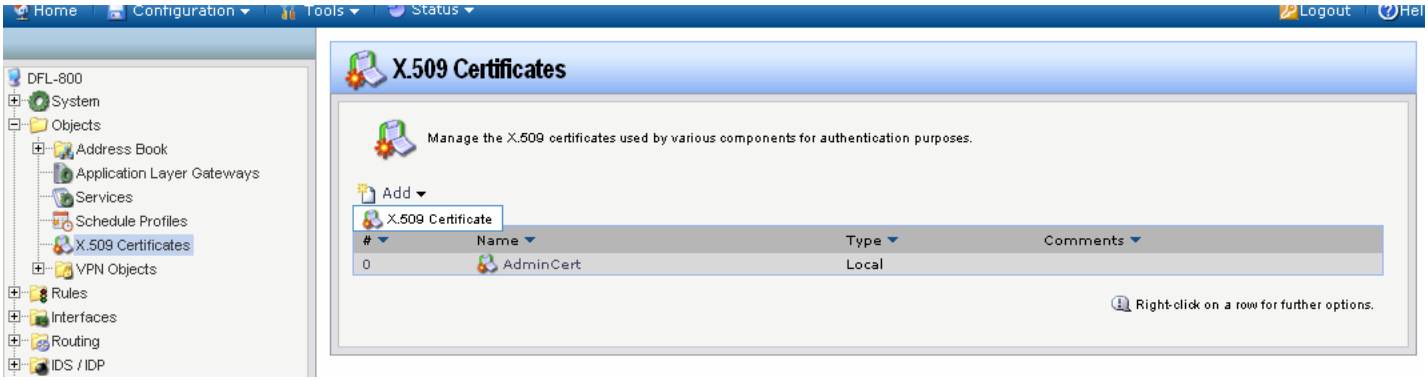

Untitled
General
An IP Protocol Service is a definition of an IP protocol with specific parameters.
Name:
Untitled
IP Protocol:
0-255
Specify the specific IP protocol/IP protocol ranges (separated by commas) applicable to this service.
For example: 1-4, 7
Pass returned ICMP error messages from destination
Application Layer Gateway
An Application Layer Gateway (ALG), capable of managing advanced protocols, can be specified for this service.
ALG:
(None)
Max Sessions:
1000
Comments
Comments:
OK
Cancel

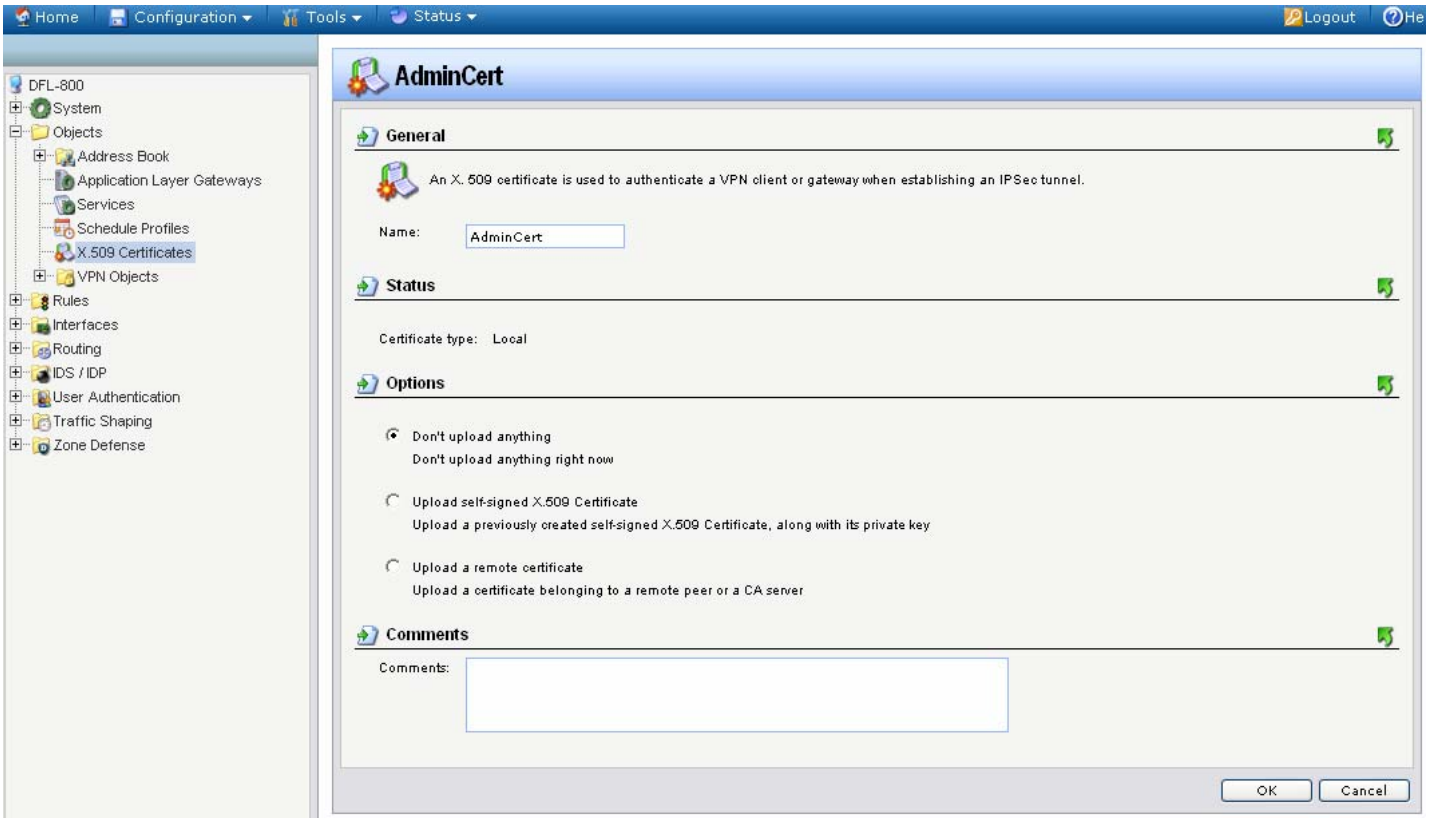

Untitled
General
A Service Group is a collection of service objects, which can then be used by different policies in the system.
Name:
Untitled
Service Group
Available
Selected
all_services
all_icmp
all_tcp
all_udp
all_tcpudp
echo
>>
<<
Comments
Comments:
OK
Cancel

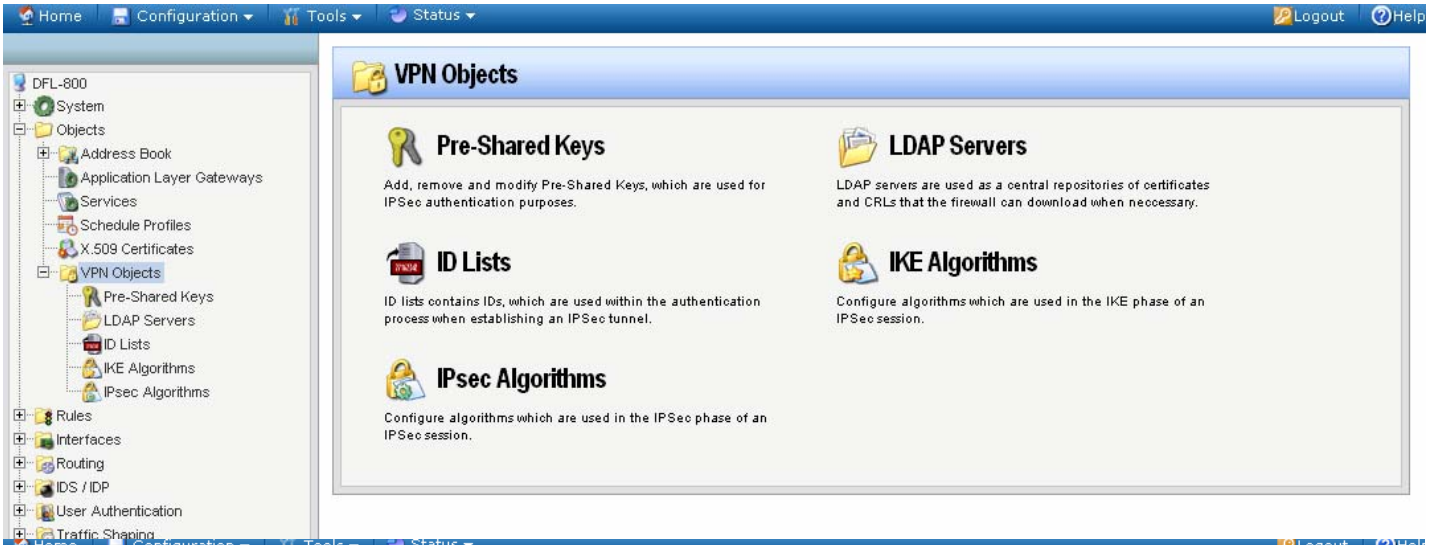

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Schedule Profiles
Schedules may be used to control when certain policies in the system are active.
Add
Schedule Profile
Name Days StartDate EndDate Comments
0 Weekdays Monday to Friday, 00:00-23:59
1 WorkingHours Monday to Friday, 08:00-17:00
2 NonWorkingHours All hours, except Monday to Friday 08:00-17:00
3 Weekends Saturday and Sunday, 00:00-23:59
4 Untitled
Right-click on a row for further options.

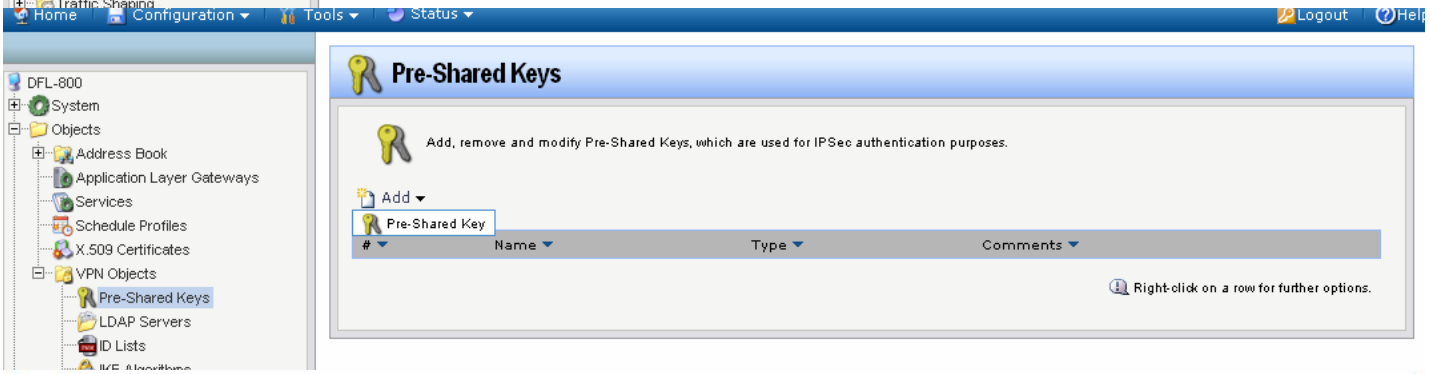

Weekdays
General
A Schedule Profile defines days and dates and are then used by the various policies in the system.
Name:
Weekdays
0 3 6 9 12 15 18 21
Monday
Tuesday
Wednesday
Thursday
Friday
Saturday
Sunday
Start Date:
End Date:
Comments
Comments:
Monday to Friday, 00:00-23:59
OK
Cancel

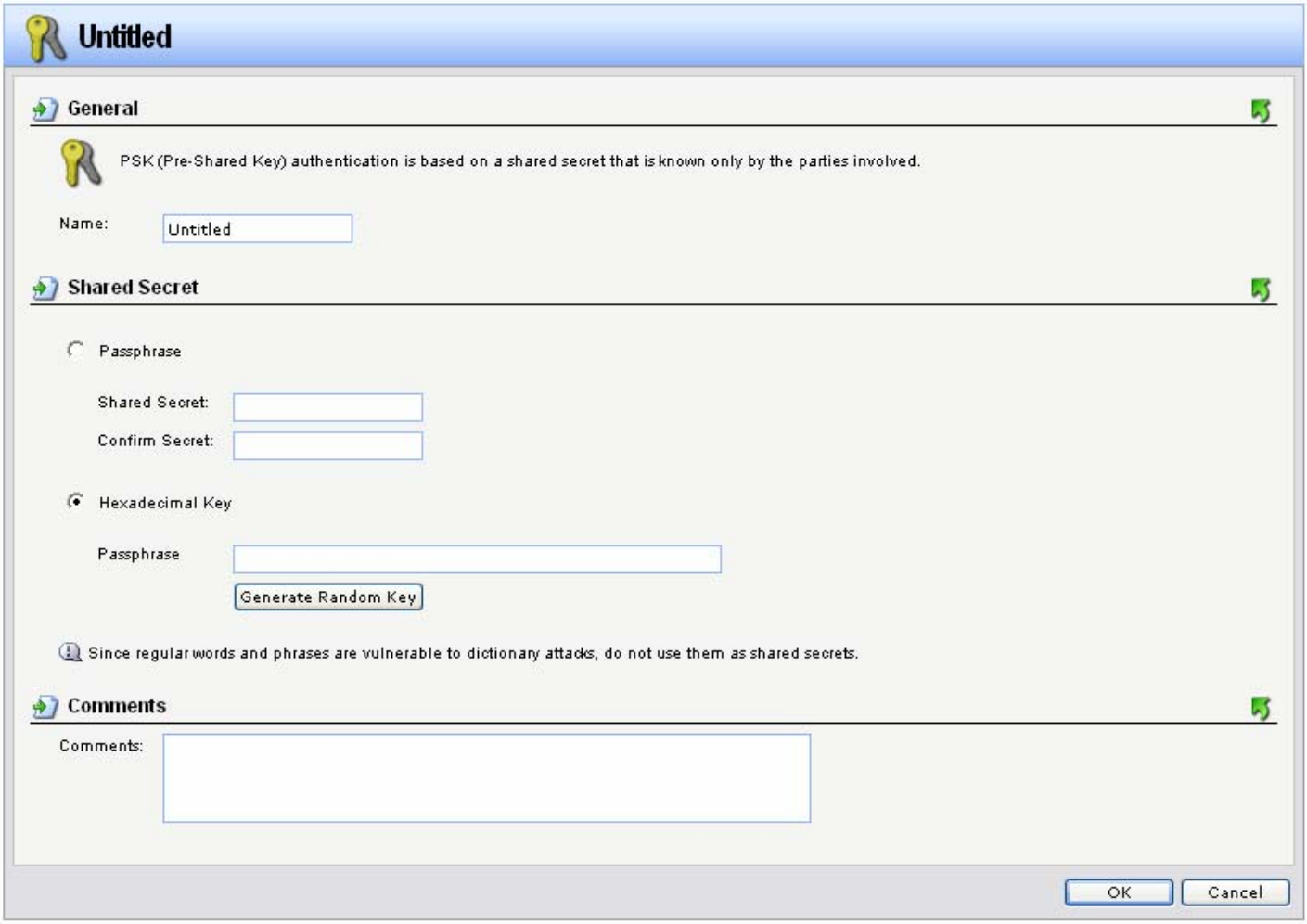

Saturday
Sunday
Start Date:
End Date:
Comments
Comments:
Monday to Friday, 00:00-23:5
http://192.168...
June 2005
Mo Tu We Th Fr Sa Su
30 31 1 2 3 4 5
6 7 8 9 10 11 12
13 14 15 16 17 18 19
20 21 22 23 24 25 26
27 28 29 30 1 2 3
Time: 13:55:43
Internet

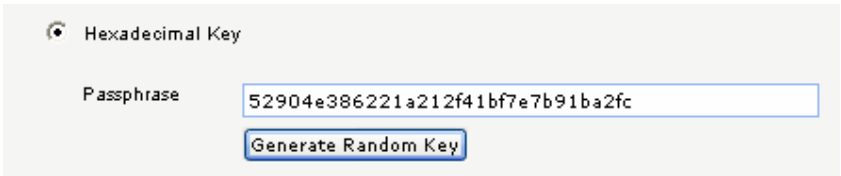

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
X.509 Certificates
Manage the X.509 certificates used by various components for authentication purposes.
Add
X.509 Certificate
Name Type Comments
0 AdminCert Local
Right-click on a row for further options.

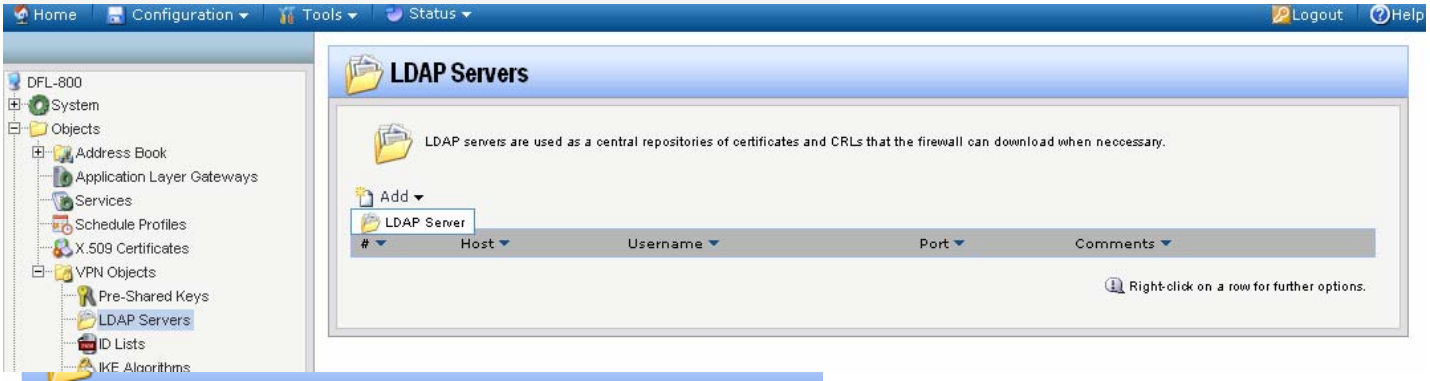

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
AdminCert
General
An X. 509 certificate is used to authenticate a VPN client or gateway when establishing an IPSec tunnel.
Name:
AdminCert
Status
Certificate type: Local
Options
Don't upload anything
Don't upload anything right now
Upload self-signed X.509 Certificate
Upload a previously created self-signed X.509 Certificate, along with its private key
Upload a remote certificate
Upload a certificate belonging to a remote peer or a CA server
Comments
Comments:
OK
Cancel

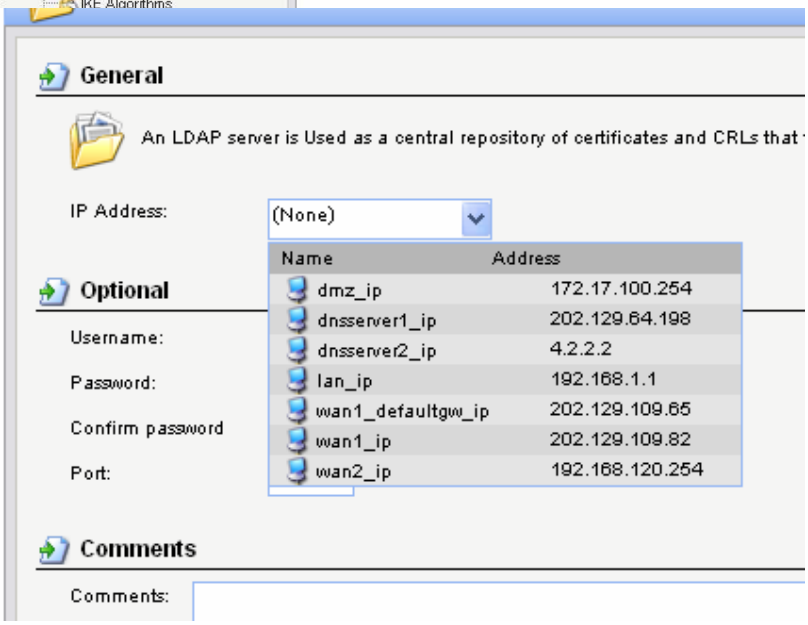

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Pre-Shared Keys
LDAP Servers
ID Lists
IKE Algorithms
IPsec Algorithms
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
VPN Objects
Pre-Shared Keys
Add, remove and modify Pre-Shared Keys, which are used for IPSec authentication purposes.
LDAP Servers
LDAP servers are used as a central repositories of certificates and CRLs that the firewall can download when neccessary.
ID Lists
ID lists contains IDs, which are used within the authentication process when establishing an IPSec tunnel.
IKE Algorithms
Configure algorithms which are used in the IKE phase of an IPSec session.
IPsec Algorithms
Configure algorithms which are used in the IPSec phase of an IPSec session.

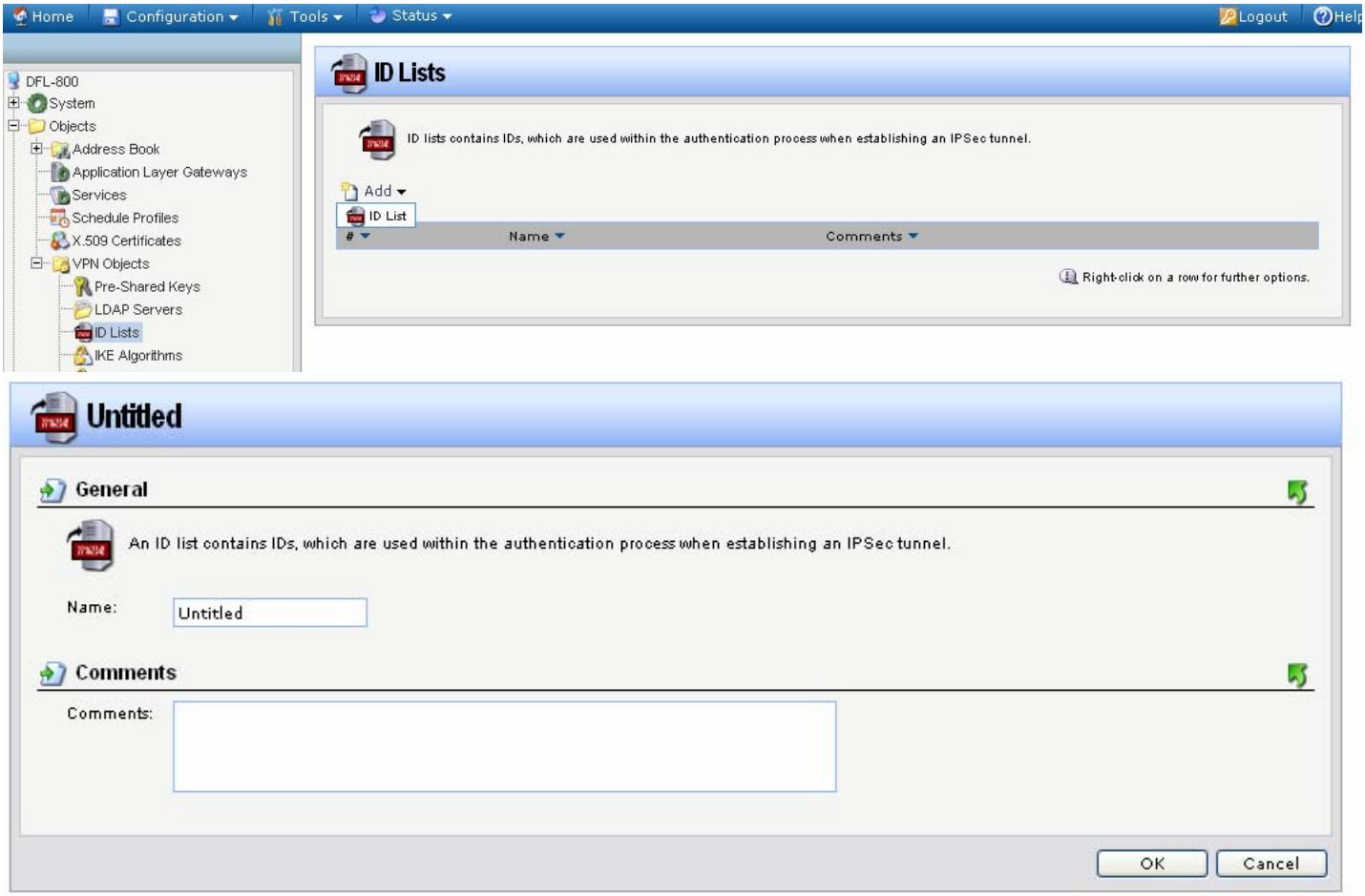

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Pre-Shared Keys
LDAP Servers
ID Lists
Pre-Shared Keys
Add, remove and modify Pre-Shared Keys, which are used for IPSec authentication purposes.
Add
Pre-Shared Key
#
Name
Type
Comments
Right-click on a row for further options.


Untitled
General
PSK (Pre-Shared Key) authentication is based on a shared secret that is known only by the parties involved.
Name:
Untitled
Shared Secret
Passphrase
Shared Secret:
Confirm Secret:
Hexadecimal Key
Passphrase
Generate Random Key
Since regular words and phrases are vulnerable to dictionary attacks, do not use them as shared secrets.
Comments
Comments:
OK
Cancel

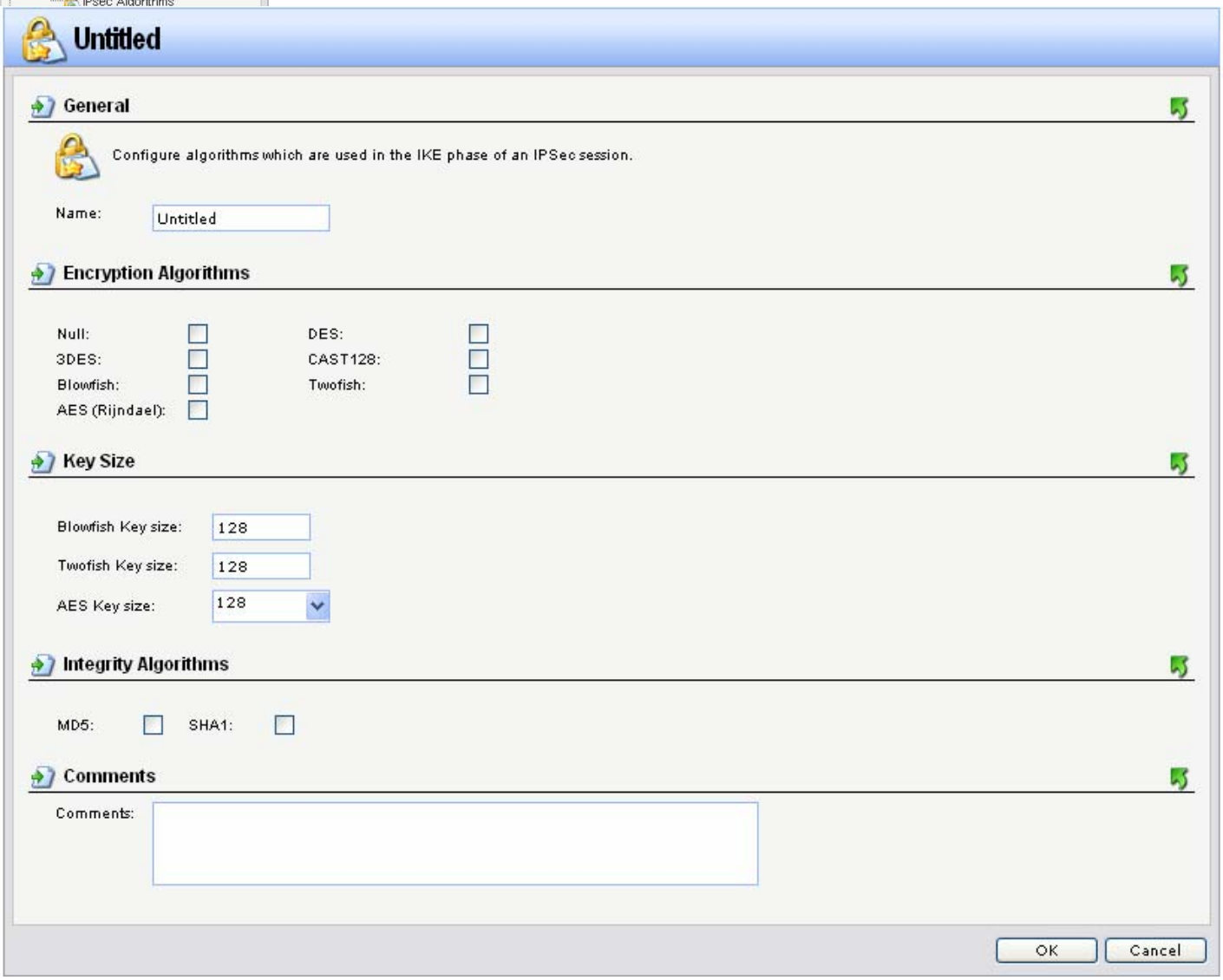

Hexadecimal Key
Passphrase
52904e386221a212f41bf7e7b91ba2fc
Generate Random Key

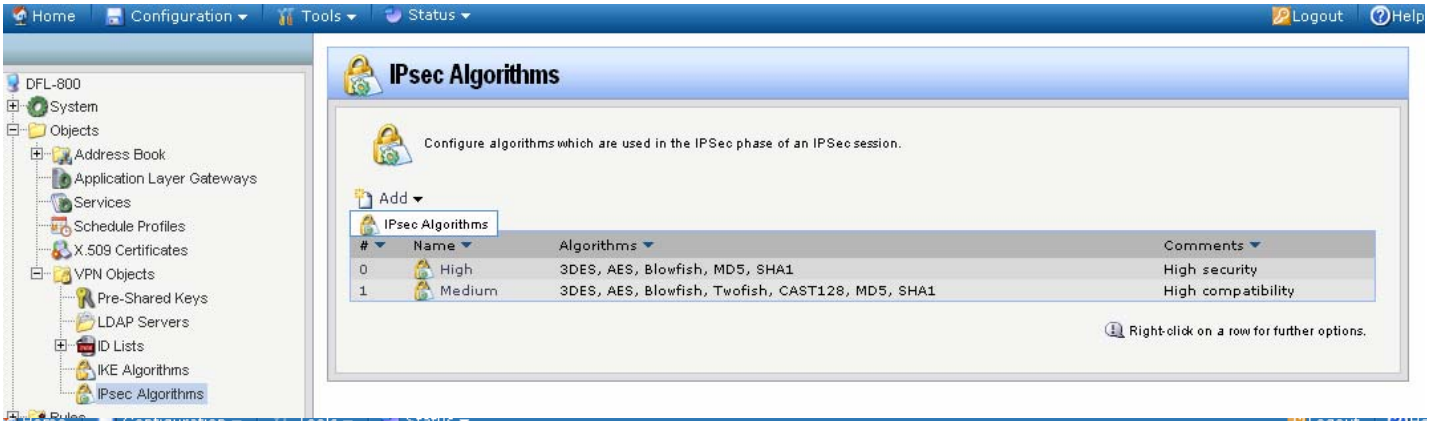

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Pre-Shared Keys
LDAP Servers
ID Lists
IKE Algorithms
LDAP Servers
LDAP servers are used as a central repositories of certificates and CRLs that the firewall can download when necessary.
Add
LDAP Server
Host Username Port Comments
Right-click on a row for further options.

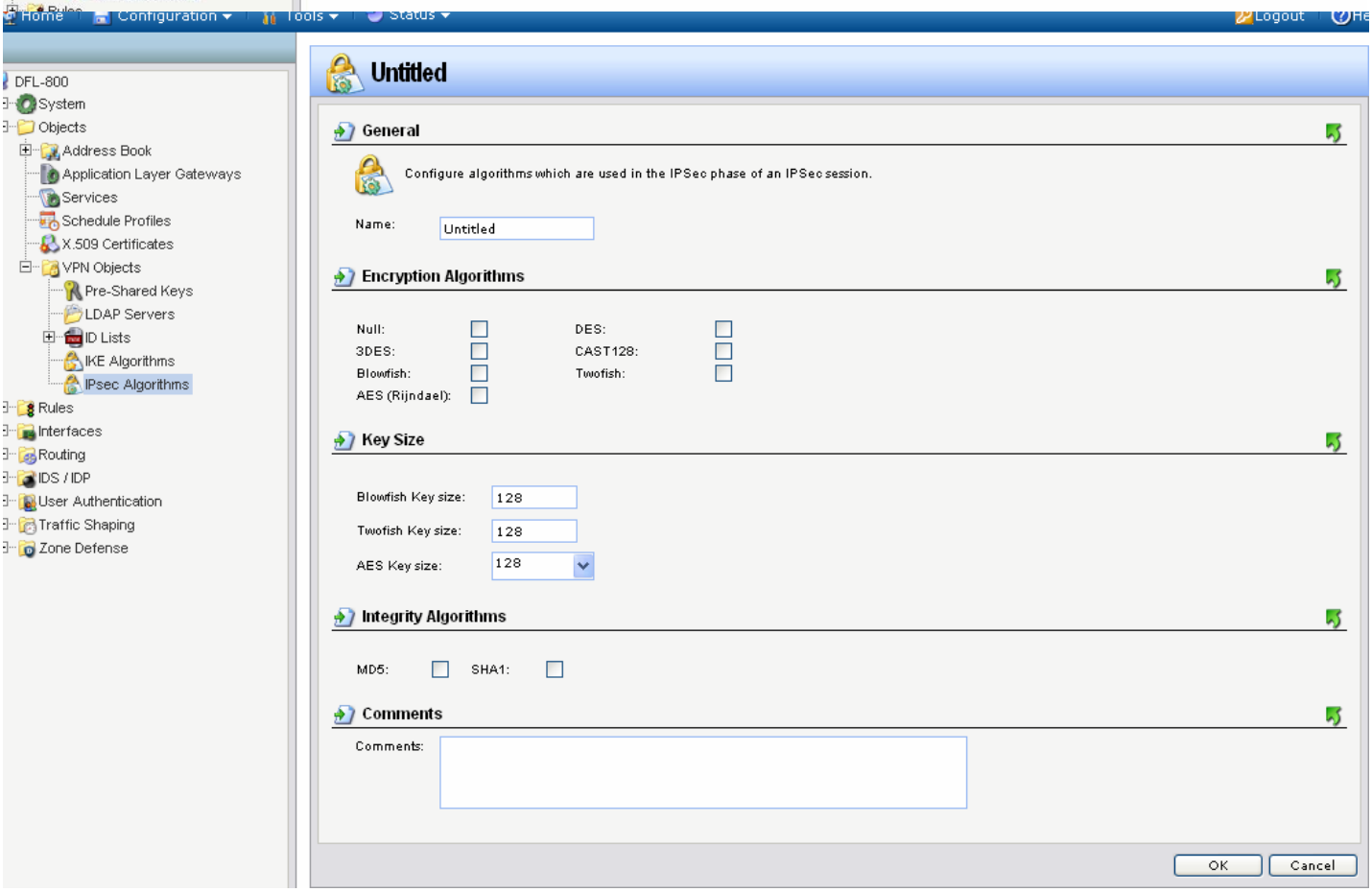

General
An LDAP server is Used as a central repository of certificates and CRLs that
IP Address:
(None)
Name Address
dmz_ip 172.17.100.254
dnsserver1_ip 202.129.64.198
dnsserver2_ip 4.2.2.2
lan_ip 192.168.1.1
wan1_defaultgw_ip 202.129.109.65
wan1_ip 202.129.109.82
wan2_ip 192.168.120.254
Optional
Username:
Password:
Confirm password
Port:
Comments
Comments:


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Pre-Shared Keys
LDAP Servers
ID Lists
IKE Algorithms
ID Lists
ID lists contains IDs, which are used within the authentication process when establishing an IPSec tunnel.
Add
ID List
#
Name
Comments
Right-click on a row for further options.
Untitled
General
An ID list contains IDs, which are used within the authentication process when establishing an IPSec tunnel.
Name:
Untitled
Comments
Comments:
OK
Cancel

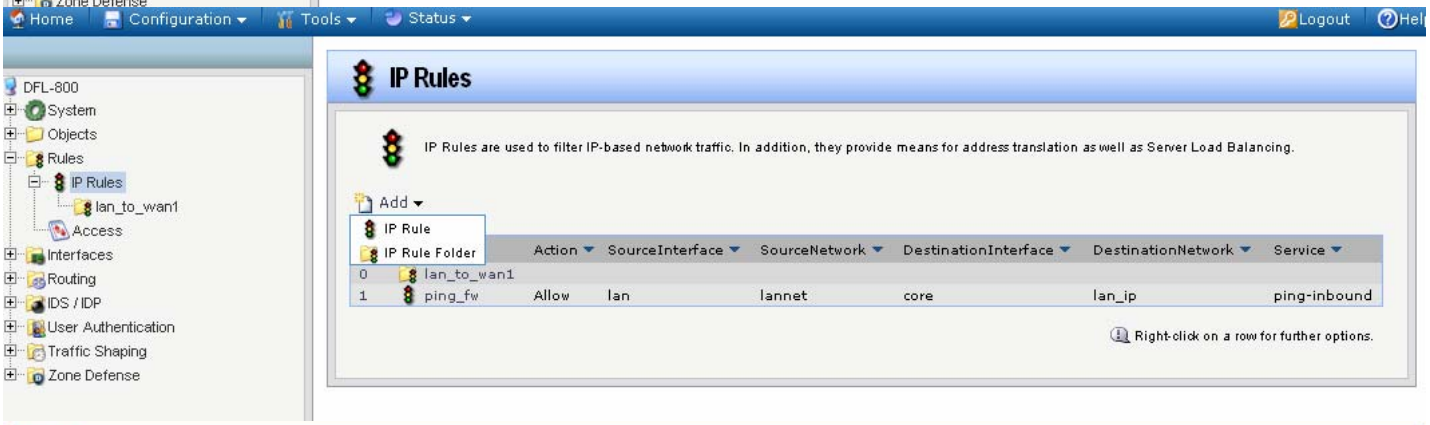

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Pre-Shared Keys
LDAP Servers
ID Lists
Untitled
IKE Algorithms
IPsec Algorithms
IKE Algorithms
Configure algorithms which are used in the IKE phase of an IPSec session.
Add
IKE Algoritms
Name Algorithms Comments
0 High 3DES, AES, Blowfish, MD5, SHA1 High security
1 Medium 3DES, AES, Blowfish, Twofish, CAST128, MD5, SHA1 High compatibility
Right-click on a row for further options.

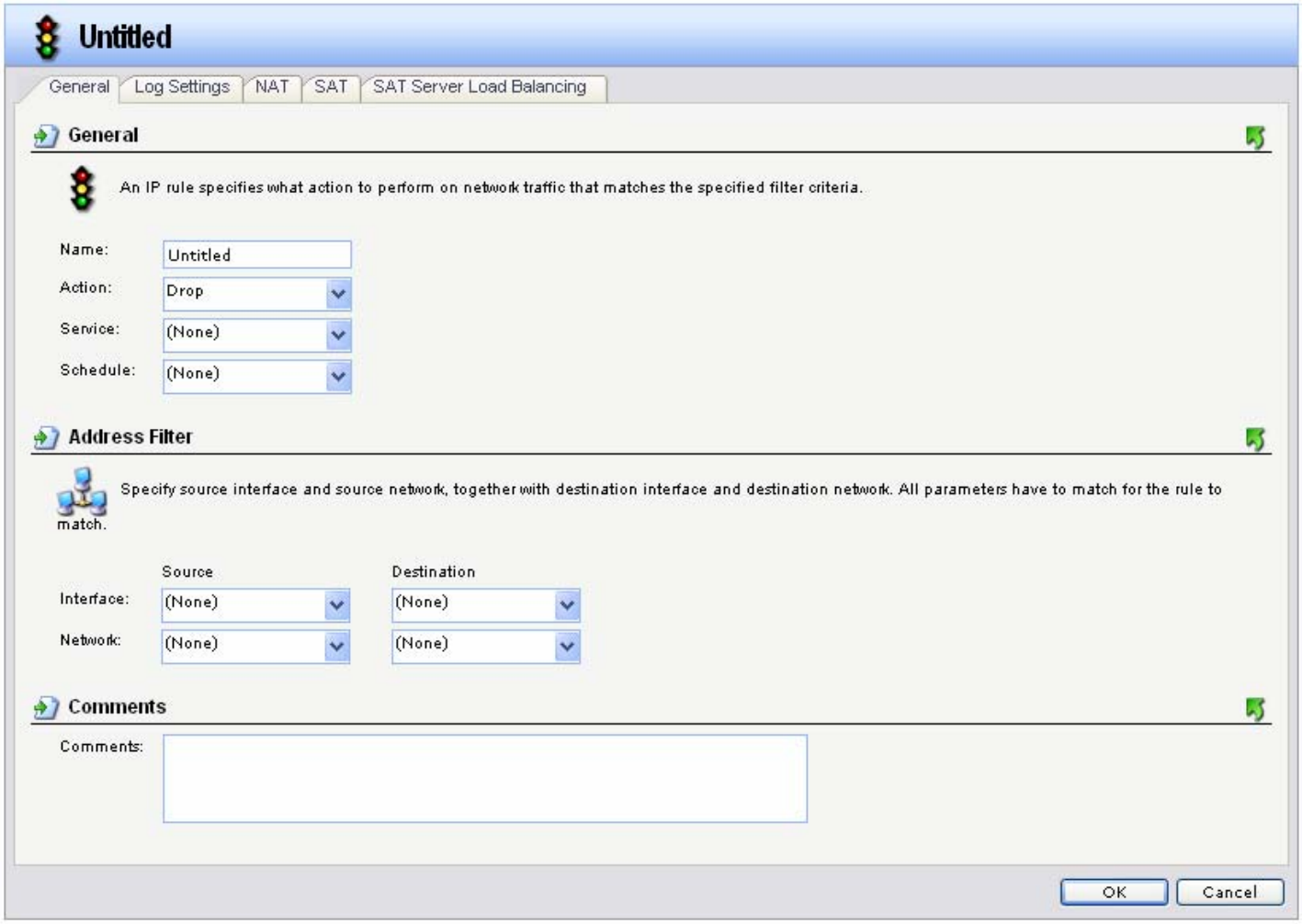

Untitled
General
Configure algorithms which are used in the IKE phase of an IPSec session.
Name:
Untitled
Encryption Algorithms
Null:
DES:
3DES:
CAST128:
Blowfish:
Twofish:
AES (Rijndael):
Key Size
Blowfish Key size:
128
Twofish Key size:
128
AES Key size:
128
Integrity Algorithms
MD5:
SHA1:
Comments
Comments:
OK
Cancel

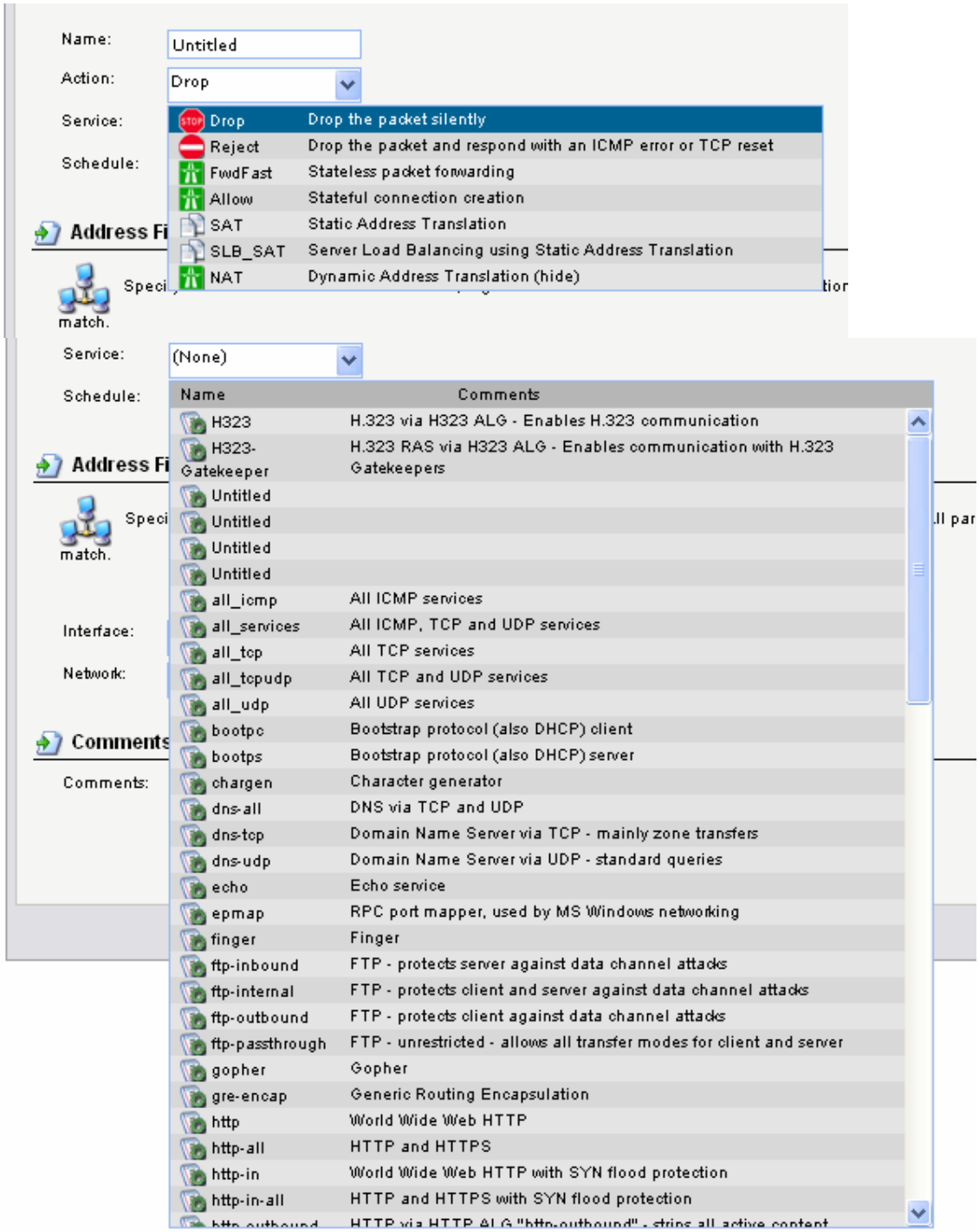

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Pre-Shared Keys
LDAP Servers
ID Lists
IKE Algorithms
IPsec Algorithms
IPsec Algorithms
Configure algorithms which are used in the IPSec phase of an IPSec session.
Add
IPsec Algorithms
Name Algorithms Comments
0 High 3DES, AES, Blowfish, MD5, SHA1 High security
1 Medium 3DES, AES, Blowfish, Twofish, CAST128, MD5, SHA1 High compatibility
Right-click on a row for further options.

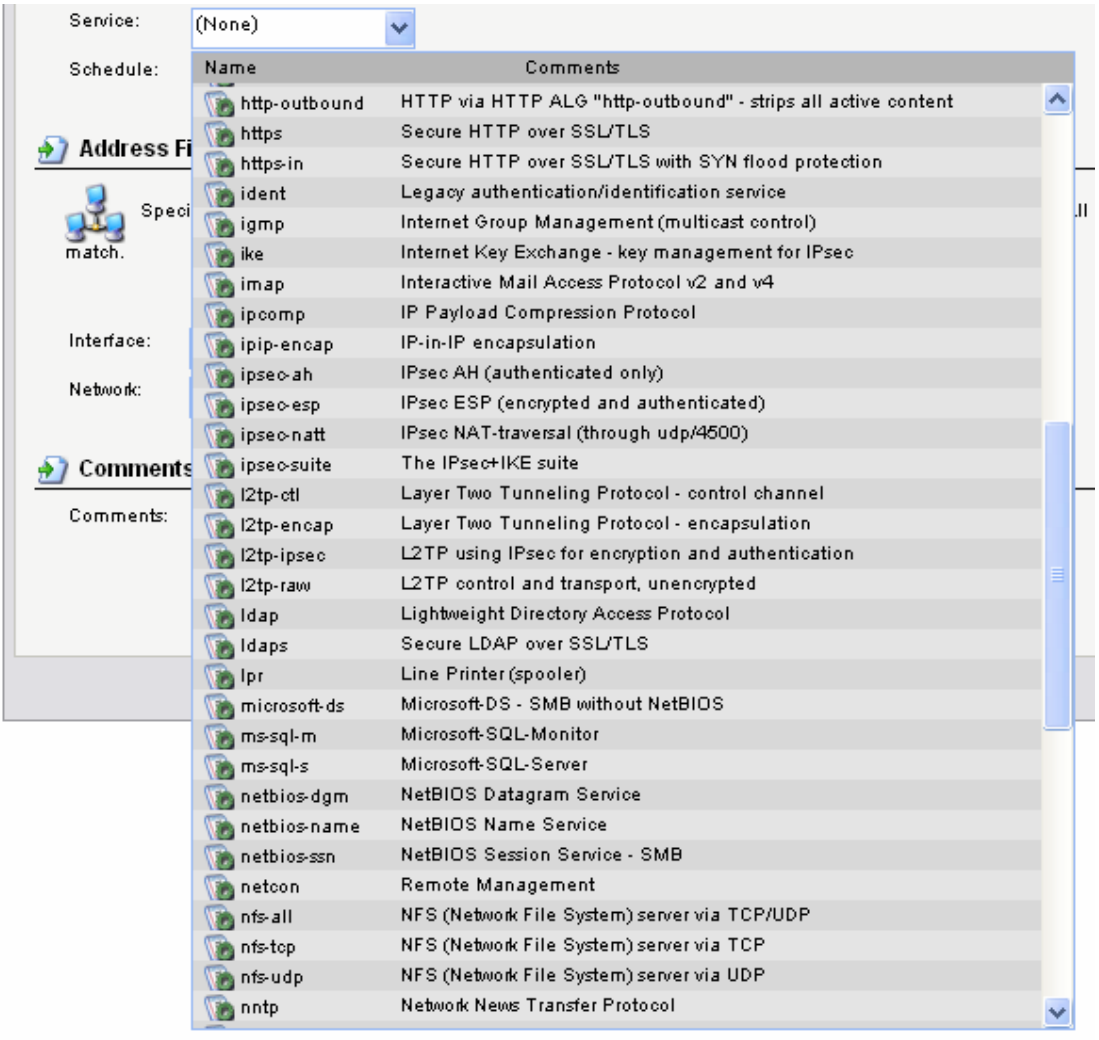

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Address Book
Application Layer Gateways
Services
Schedule Profiles
X.509 Certificates
VPN Objects
Pre-Shared Keys
LDAP Servers
ID Lists
IKE Algorithms
IPsec Algorithms
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
Configure algorithms which are used in the IPSec phase of an IPSec session.
Name: Untitled
Encryption Algorithms
Null:
DES:
3DES:
CAST128:
Blowfish:
Twofish:
AES (Rijndael):
Key Size
Blowfish Key size: 128
Twofish Key size: 128
AES Key size: 128
Integrity Algorithms
MD5:
SHA1:
Comments
Comments:
OK
Cancel

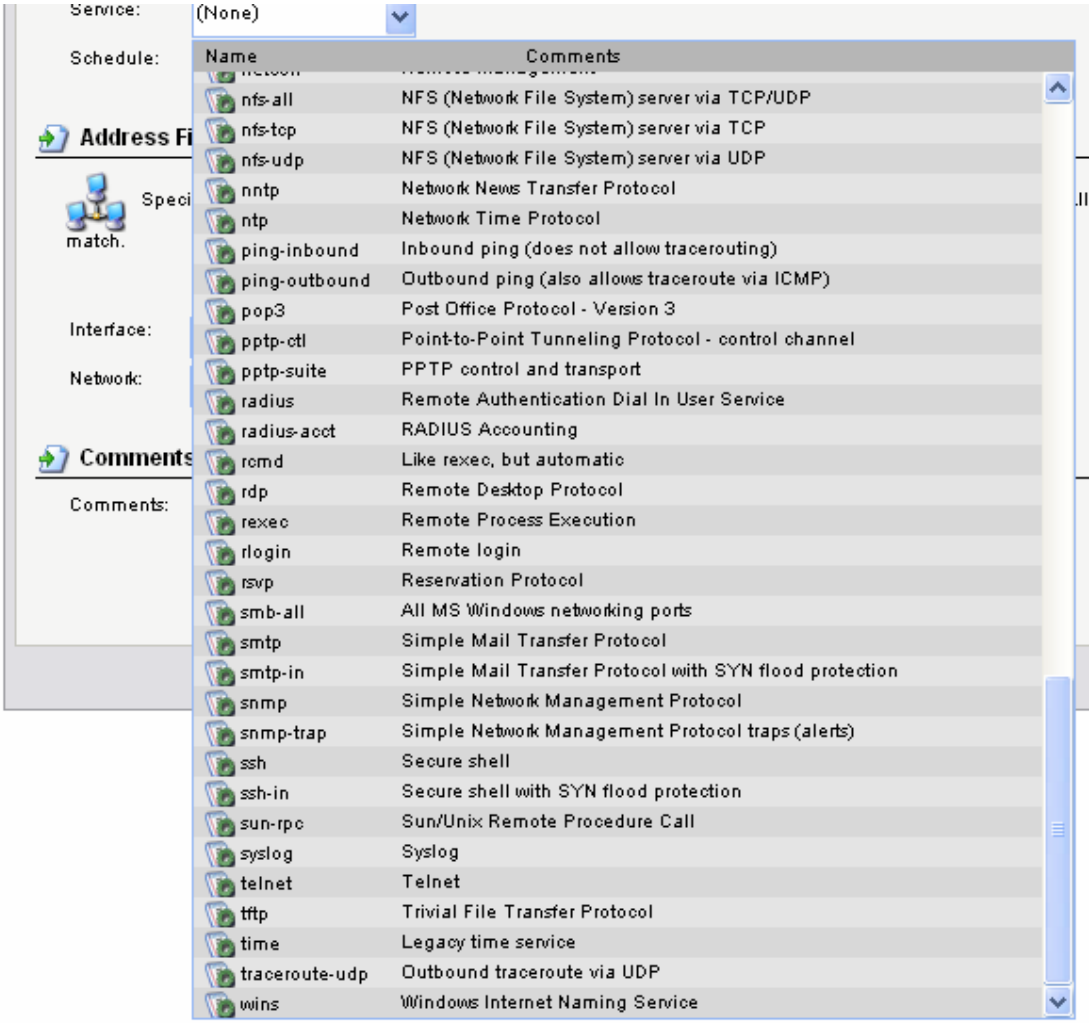

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
IP Rules
Access
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Rules
IP Rules
IP Rules are used to filter IP-based network traffic. In addition, they provide means for address translation as well as Server Load Balancing.
Access
Add, remove and modify IP spoofing filters, that regulates which IP addresses the system will accept as sender addresses.

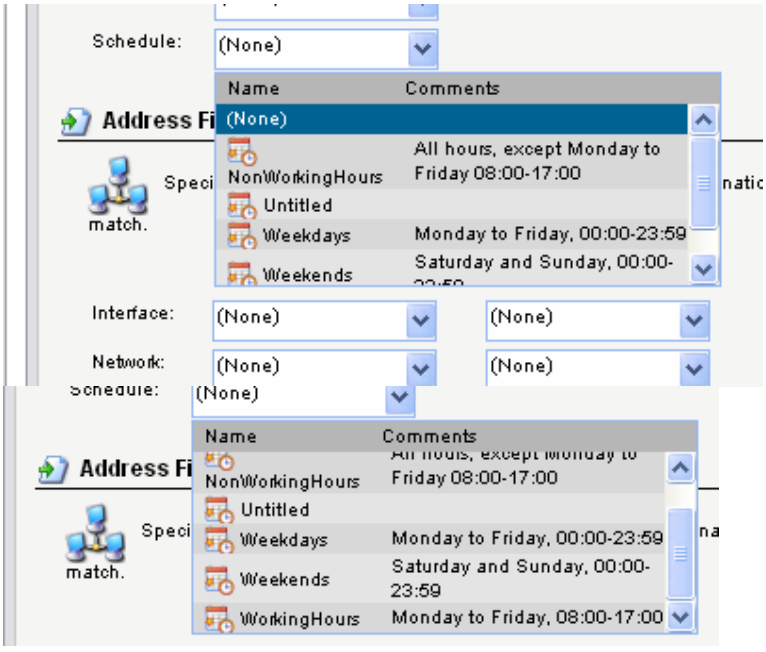

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
IP Rules
lan_to_wan1
Access
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
IP Rules
IP Rules are used to filter IP-based network traffic. In addition, they provide means for address translation as well as Server Load Balancing.
Add
IP Rule
IP Rule Folder
Action
SourceInterface
SourceNetwork
DestinationInterface
DestinationNetwork
Service
0 lan_to_wan1
1 ping_fw Allow lan lannet core lan_ip ping-inbound
Right-click on a row for further options.

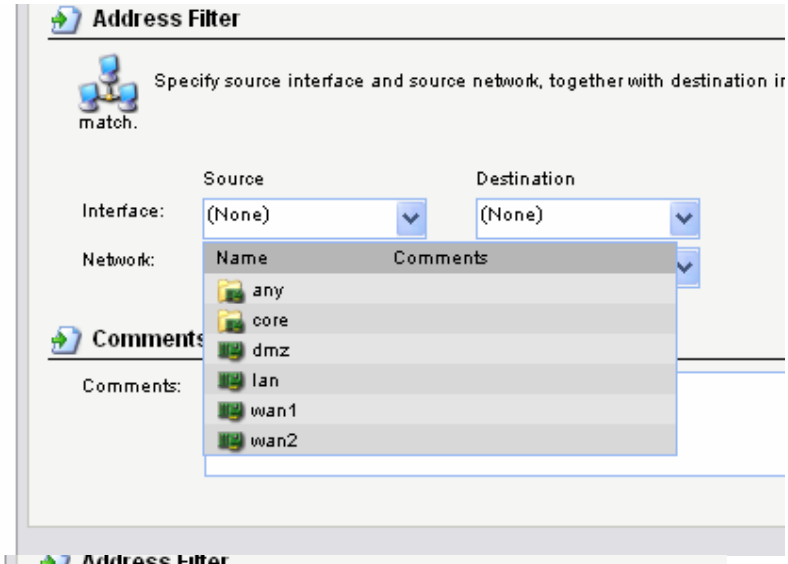

Untitled
General
Log Settings
NAT
SAT
SAT Server Load Balancing
General
An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.
Name: Untitled
Action: Drop
Service: (None)
Schedule: (None)
Address Filter
Specify source interface and source network, together with destination interface and destination network. All parameters have to match for the rule to match.
Source
Destination
Interface: (None) (None)
Network: (None) (None)
Comments
Comments:
OK
Cancel

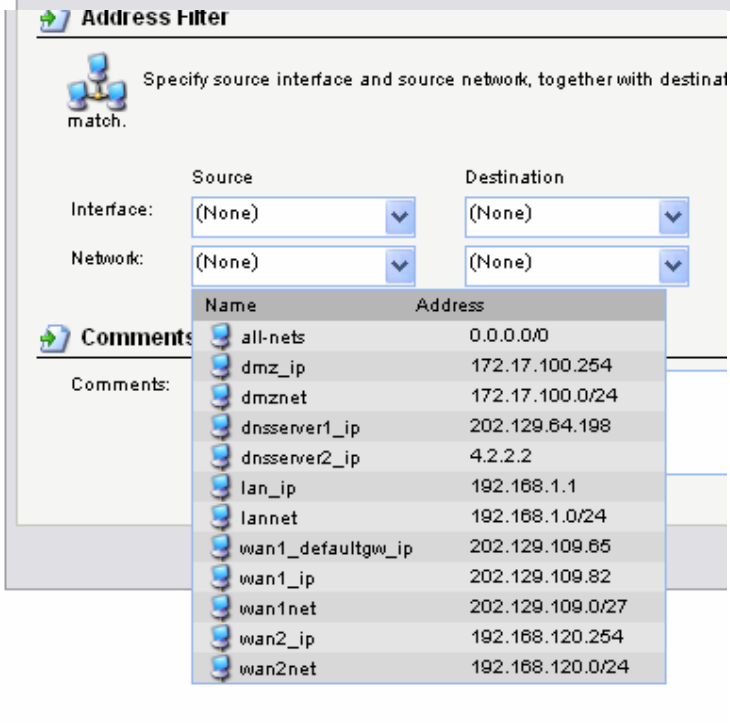

Name:
Untitled
Action:
Drop
Service:
Schedule:
Drop
Drop the packet silently
Reject
Drop the packet and respond with an ICMP error or TCP reset
FwdFast
Stateless packet forwarding
Allow
Stateful connection creation
SAT
Static Address Translation
SLB_SAT
Server Load Balancing using Static Address Translation
NAT
Dynamic Address Translation (hide)
Address Fi
match.
Service:
(None)
Schedule:
Name
Comments
H323
H.323 via H323 ALG - Enables H.323 communication
H323-Gatekeeper
H.323 RAS via H323 ALG - Enables communication with H.323 Gatekeepers
Untitled
Untitled
Untitled
Untitled
all_icmp
All ICMP services
all_services
All ICMP, TCP and UDP services
all_tcp
All TCP services
all_tcpudp
All TCP and UDP services
all_udp
All UDP services
bootpc
Bootstrap protocol (also DHCP) client
bootps
Bootstrap protocol (also DHCP) server
chargen
Character generator
dns-all
DNS via TCP and UDP
dns-tcp
Domain Name Server via TCP - mainly zone transfers
dns-udp
Domain Name Server via UDP - standard queries
echo
Echo service
epmap
RPC port mapper, used by MS Windows networking
finger
Finger
ftp-inbound
FTP - protects server against data channel attacks
ftp-internal
FTP - protects client and server against data channel attacks
ftp-outbound
FTP - protects client against data channel attacks
ftp-passthrough
FTP - unrestricted - allows all transfer modes for client and server
gopher
Gopher
gre-encap
Generic Routing Encapsulation
http
World Wide Web HTTP
http-all
HTTP and HTTPS
http-in
World Wide Web HTTP with SYN flood protection
http-in-all
HTTP and HTTPS with SYN flood protection
Interface:
Network:
Comments
Comments:

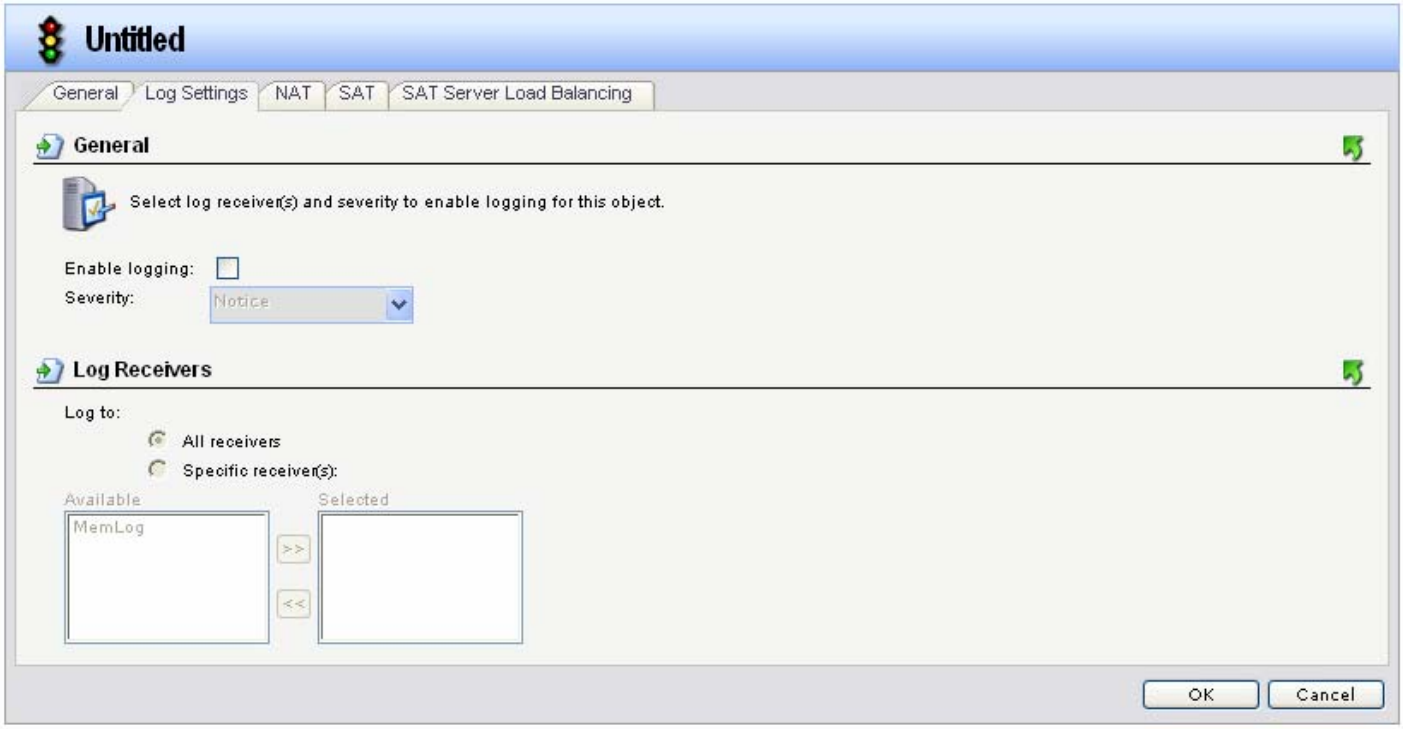

Service:
(None)
Schedule:
Address Fi
Speci
match.
Interface:
Network:
Comments
Comments:
Name
Comments
http-outbound
HTTP via HTTP ALG "http-outbound" - strips all active content
https
Secure HTTP over SSL/TLS
https-in
Secure HTTP over SSL/TLS with SYN flood protection
ident
Legacy authentication/identification service
igmp
Internet Group Management (multicast control)
ike
Internet Key Exchange - key management for IPsec
imap
Interactive Mail Access Protocol v2 and v4
ipcomp
IP Payload Compression Protocol
ipip-encap
IP-in-IP encapsulation
ipsec-ah
IPsec AH (authenticated only)
ipsec-esp
IPsec ESP (encrypted and authenticated)
ipsec-natt
IPsec NAT-traversal (through udp/4500)
ipsec-suite
The IPsec+IKE suite
l2tp-ctl
Layer Two Tunneling Protocol - control channel
l2tp-encap
Layer Two Tunneling Protocol - encapsulation
l2tp-ipsec
L2TP using IPsec for encryption and authentication
l2tp-raw
L2TP control and transport, unencrypted
ldap
Lightweight Directory Access Protocol
ldaps
Secure LDAP over SSL/TLS
lpr
Line Printer (spooler)
microsoft-ds
Microsoft-DS - SMB without NetBIOS
ms-sql-m
Microsoft-SQL-Monitor
ms-sql-s
Microsoft-SQL-Server
netbios-dgm
NetBIOS Datagram Service
netbios-name
NetBIOS Name Service
netbios-ssn
NetBIOS Session Service - SMB
netcon
Remote Management
nfs-all
NFS (Network File System) server via TCP/UDP
nfs-tcp
NFS (Network File System) server via TCP
nfs-udp
NFS (Network File System) server via UDP
nntp
Network News Transfer Protocol

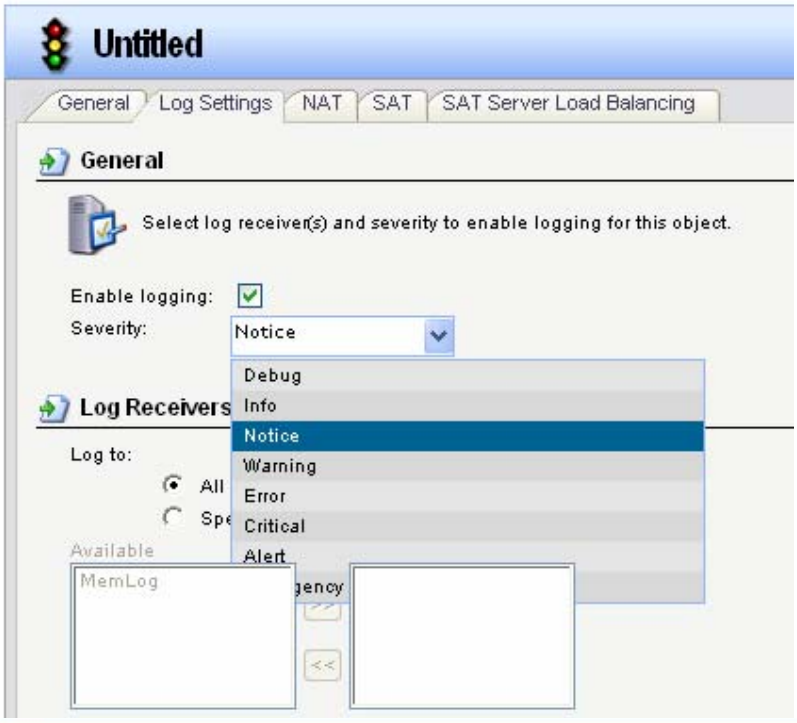

Service:
(None)
Schedule:
Name
Comments
nfs-all
NFS (Network File System) server via TCP/UDP
nfs-tcp
NFS (Network File System) server via TCP
nfs-udp
NFS (Network File System) server via UDP
nntp
Network News Transfer Protocol
ntp
Network Time Protocol
ping-inbound
Inbound ping (does not allow tracerouting)
ping-outbound
Outbound ping (also allows traceroute via ICMP)
pop3
Post Office Protocol - Version 3
pptp-ctl
Point-to-Point Tunneling Protocol - control channel
pptp-suite
PPTP control and transport
radius
Remote Authentication Dial In User Service
radius-acct
RADIUS Accounting
rcmd
Like rexec, but automatic
rdp
Remote Desktop Protocol
rexec
Remote Process Execution
rlogin
Remote login
rsvp
Reservation Protocol
smb-all
All MS Windows networking ports
smtp
Simple Mail Transfer Protocol
smtp-in
Simple Mail Transfer Protocol with SYN flood protection
snmp
Simple Network Management Protocol
snmp-trap
Simple Network Management Protocol traps (alerts)
ssh
Secure shell
ssh-in
Secure shell with SYN flood protection
sun-rpc
Sun/Unix Remote Procedure Call
syslog
Syslog
telnet
Telnet
tftp
Trivial File Transfer Protocol
time
Legacy time service
traceroute-udp
Outbound traceroute via UDP
wins
Windows Internet Naming Service
Address Fi
Speci
match.
Interface:
Network:
Comments
Comments:


Schedule:
(None)
Name
Comments
(None)
NonWorkingHours
All hours, except Monday to Friday 08:00-17:00
Untitled
Weekdays
Monday to Friday, 00:00-23:59
Weekends
Saturday and Sunday, 00:00-
Address Fi
Speci
match.
Interface:
(None)
(None)
Network:
(None)
(None)
Schedule:
(None)
Name
Comments
NonWorkingHours
Friday 08:00-17:00
Untitled
Weekdays
Monday to Friday, 00:00-23:59
Weekends
Saturday and Sunday, 00:00-23:59
WorkingHours
Monday to Friday, 08:00-17:00
Address Fi
Speci
match.

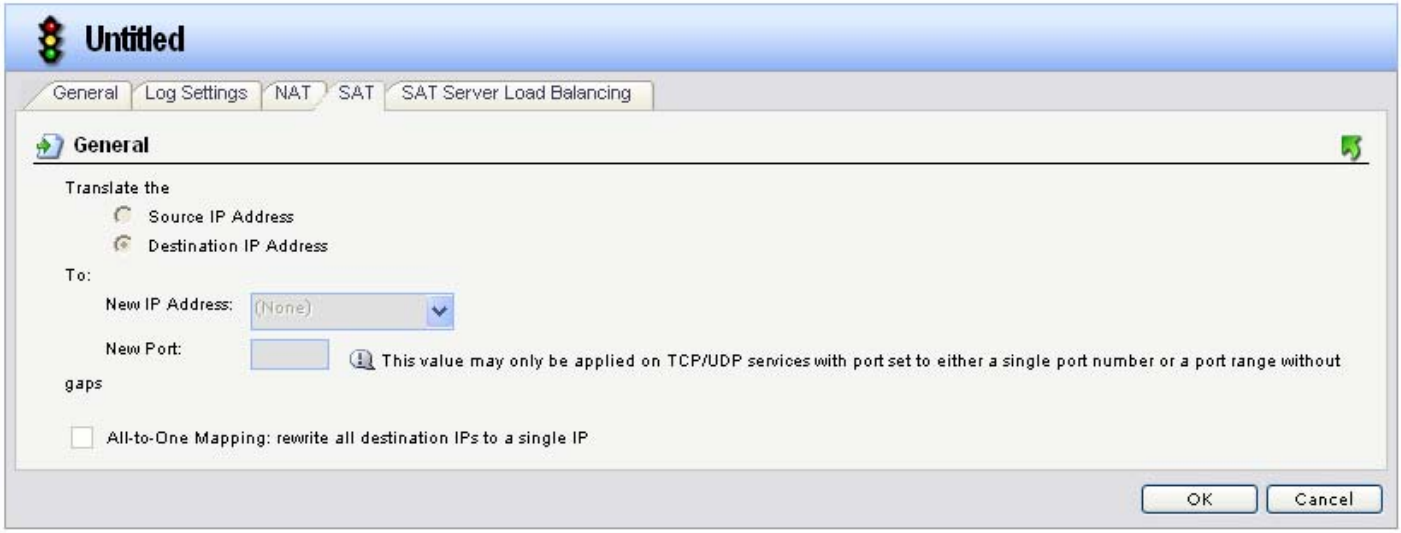

Address Filter
Specify source interface and source network, together with destination in
match.
Source
Destination
Interface:
(None)
(None)
Network:
Name
Comments
any
core
dmz
lan
wan1
wan2
Comments
Comments:

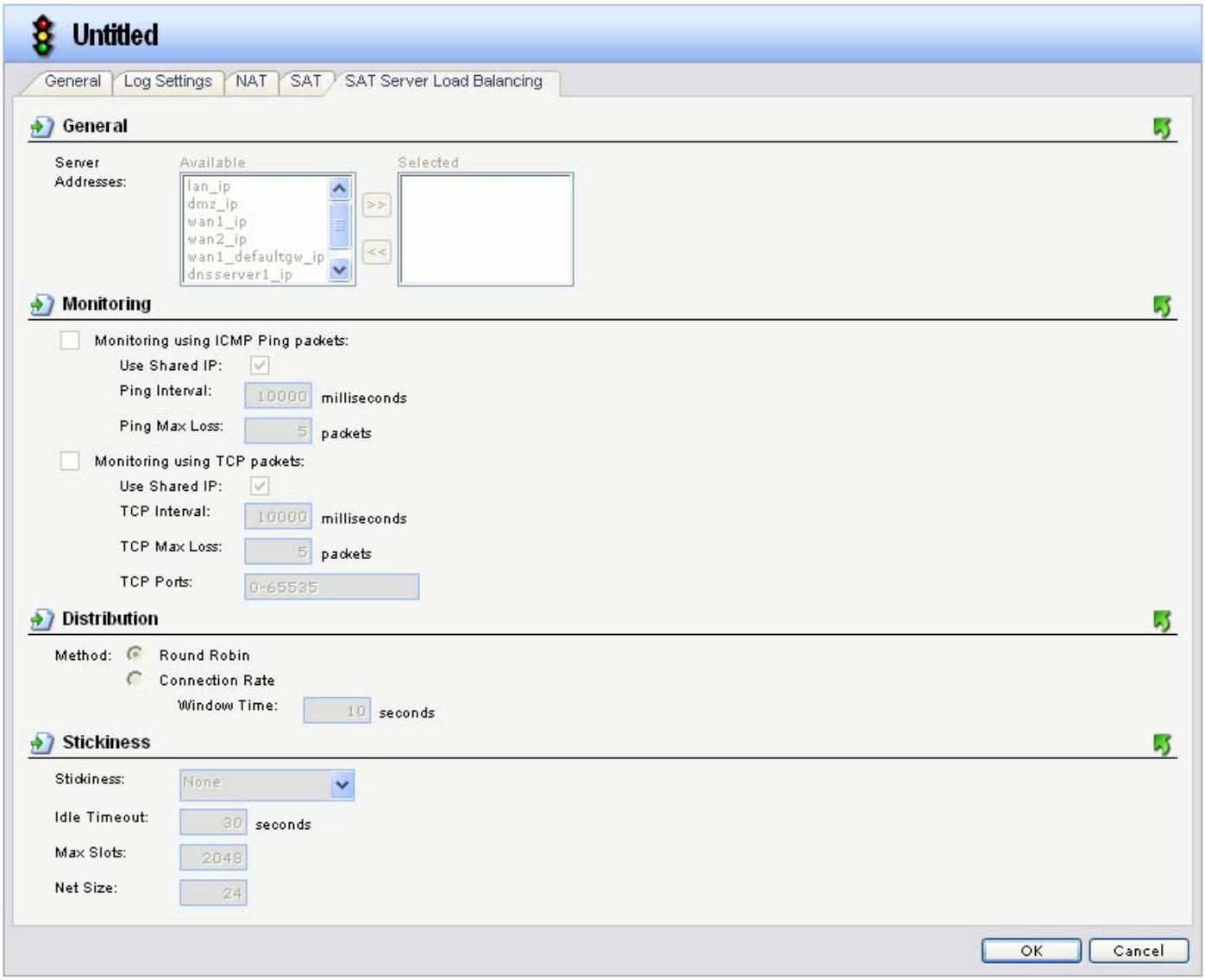

Address Filter
Specify source interface and source network, together with destinat
match.
Source
Destination
Interface:
(None)
(None)
Network:
(None)
(None)
Name
Address
all-nets
0.0.0.0/0
dmz_ip
172.17.100.254
dmznet
172.17.100.0/24
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
lannet
192.168.1.0/24
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan1net
202.129.109.0/27
wan2_ip
192.168.120.254
wan2net
192.168.120.0/24
Comments
Comments:

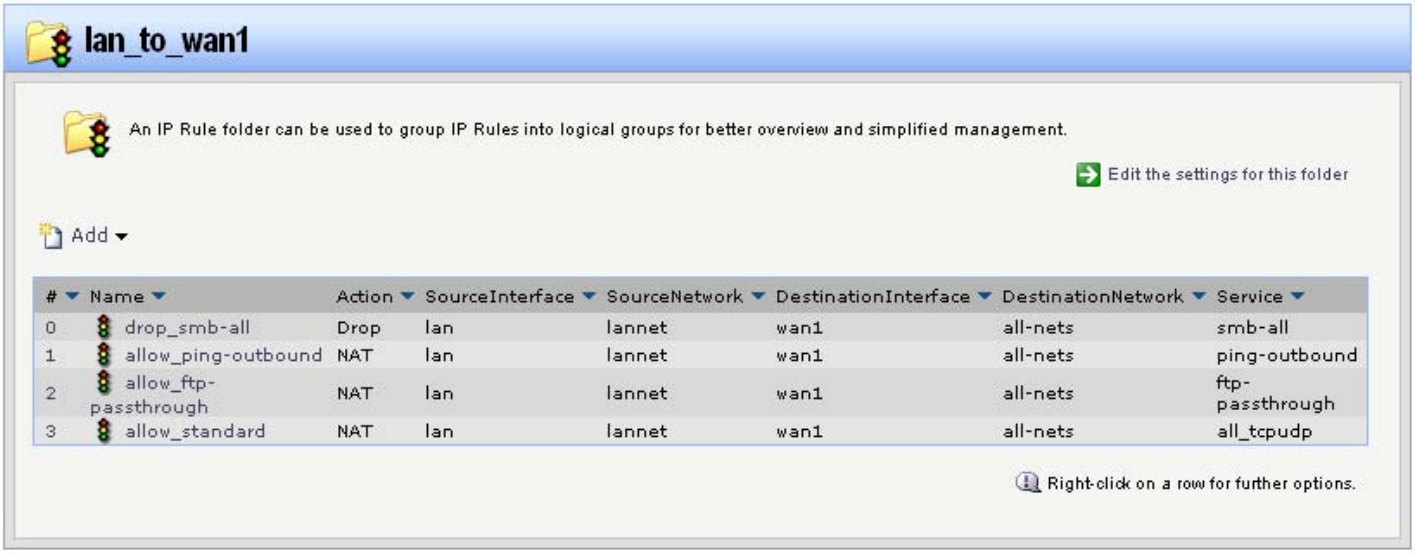

Untitled
General
Log Settings
NAT
SAT
SAT Server Load Balancing
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Log Receivers
Log to:
All receivers
Specific receiver(s):
Available
Selected
MemLog
>>
<<
OK
Cancel


Untitled
General
Log Settings
NAT
SAT
SAT Server Load Balancing
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Debug
Info
Notice
Warning
Error
Critical
Alert
Log Receivers
Log to:
All
Available
MemLog
>>
<<

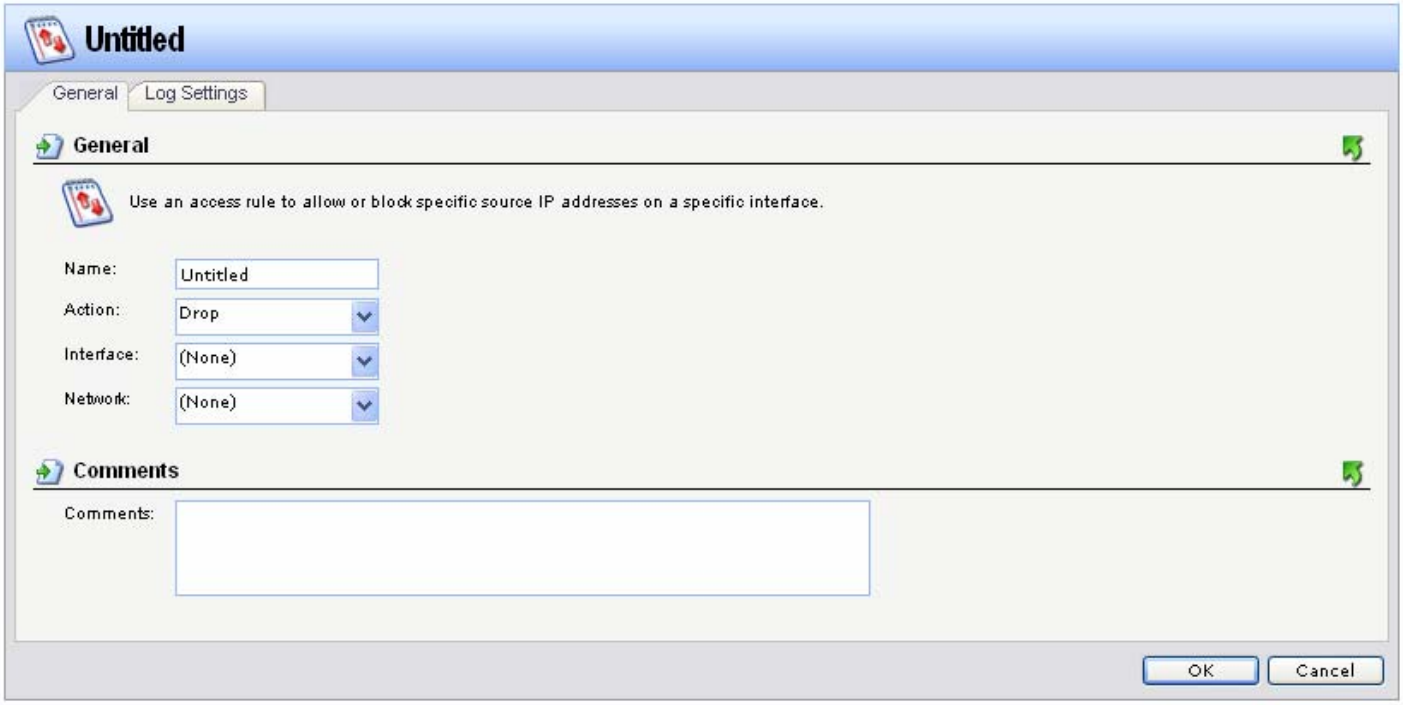

Untitled
General
Log Settings
NAT
SAT
SAT Server Load Balancing
General
Use Interface Address
Specify Sender Address
New IP Address:
(None)
OK
Cancel

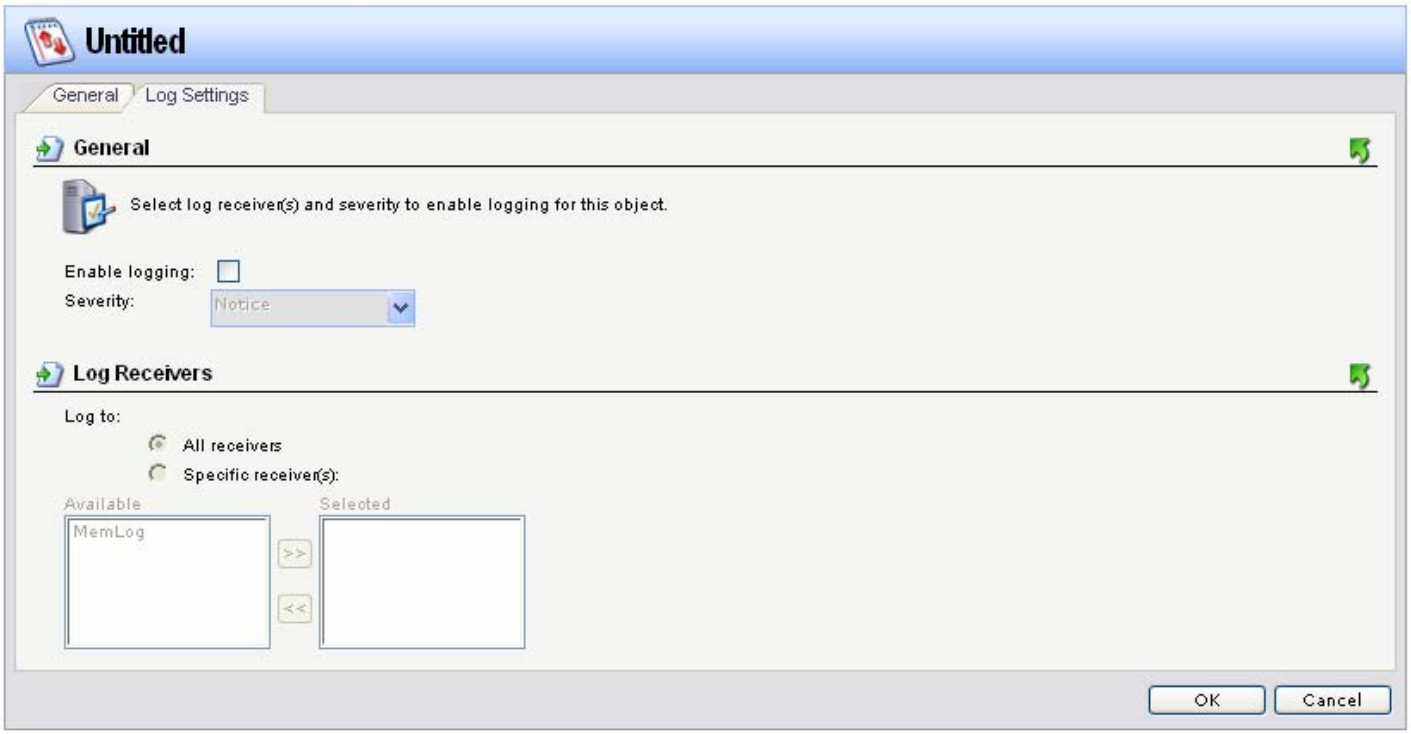

Untitled
General
Log Settings
NAT
SAT
SAT Server Load Balancing
General
Translate the
Source IP Address
Destination IP Address
To:
New IP Address:
(None)
New Port:
This value may only be applied on TCP/UDP services with port set to either a single port number or a port range without gaps
All-to-One Mapping: rewrite all destination IPs to a single IP
OK
Cancel

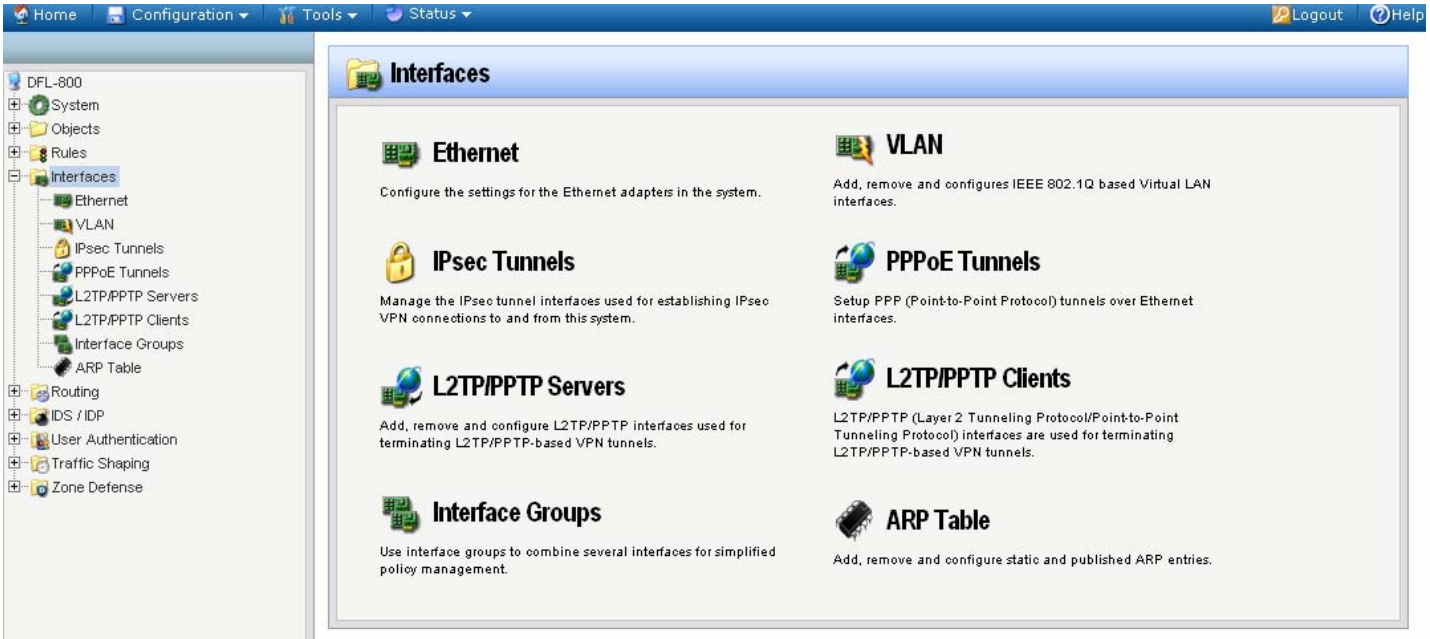

Untitled
General
Log Settings
NAT
SAT
SAT Server Load Balancing
General
Server Addresses:
Available
lan_ip
dmz_ip
wan1_ip
wan2_ip
wan1_defaultgw_ip
dnsserver1_ip
>>
<<
Selected
Monitoring
Monitoring using ICMP Ping packets:
Use Shared IP:
Ping Interval:
10000
milliseconds
Ping Max Loss:
5
packets
Monitoring using TCP packets:
Use Shared IP:
TCP Interval:
10000
milliseconds
TCP Max Loss:
5
packets
TCP Ports:
0-65535
Distribution
Method:
Round Robin
Connection Rate
Window Time:
10
seconds
Stickiness
Stickiness:
None
Idle Timeout:
30
seconds
Max Slots:
2048
Net Size:
24
OK
Cancel

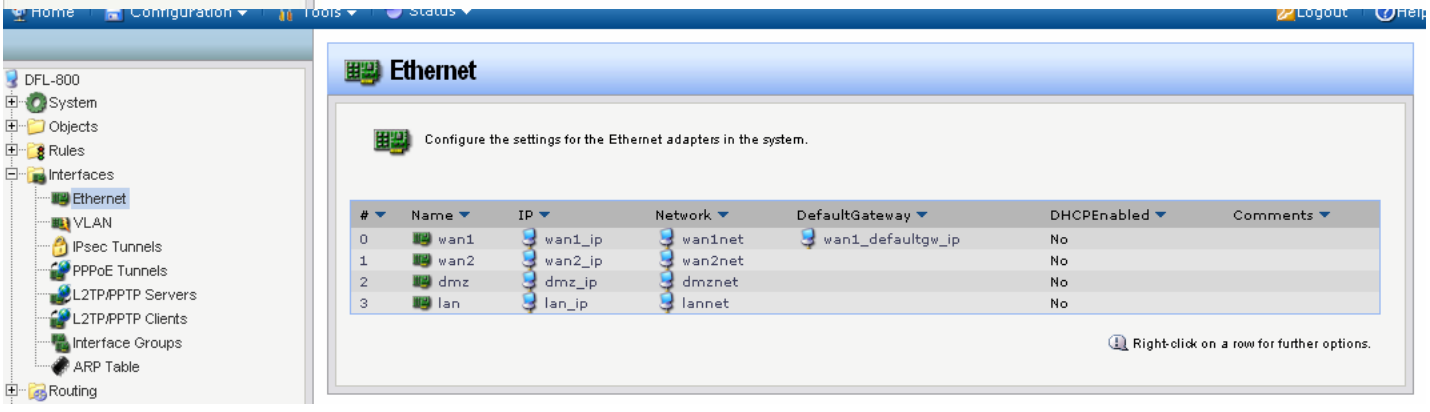

lan_to_wan1
An IP Rule folder can be used to group IP Rules into logical groups for better overview and simplified management.
Edit the settings for this folder
Add
Name Action SourceInterface SourceNetwork DestinationInterface DestinationNetwork Service
0 drop_smb-all Drop lan lannet wan1 all-nets smb-all
1 allow_ping-outbound NAT lan lannet wan1 all-nets ping-outbound
2 allow_ftp-passthrough NAT lan lannet wan1 all-nets ftp-passthrough
3 allow_standard NAT lan lannet wan1 all-nets all_tcpudp
Right-click on a row for further options.

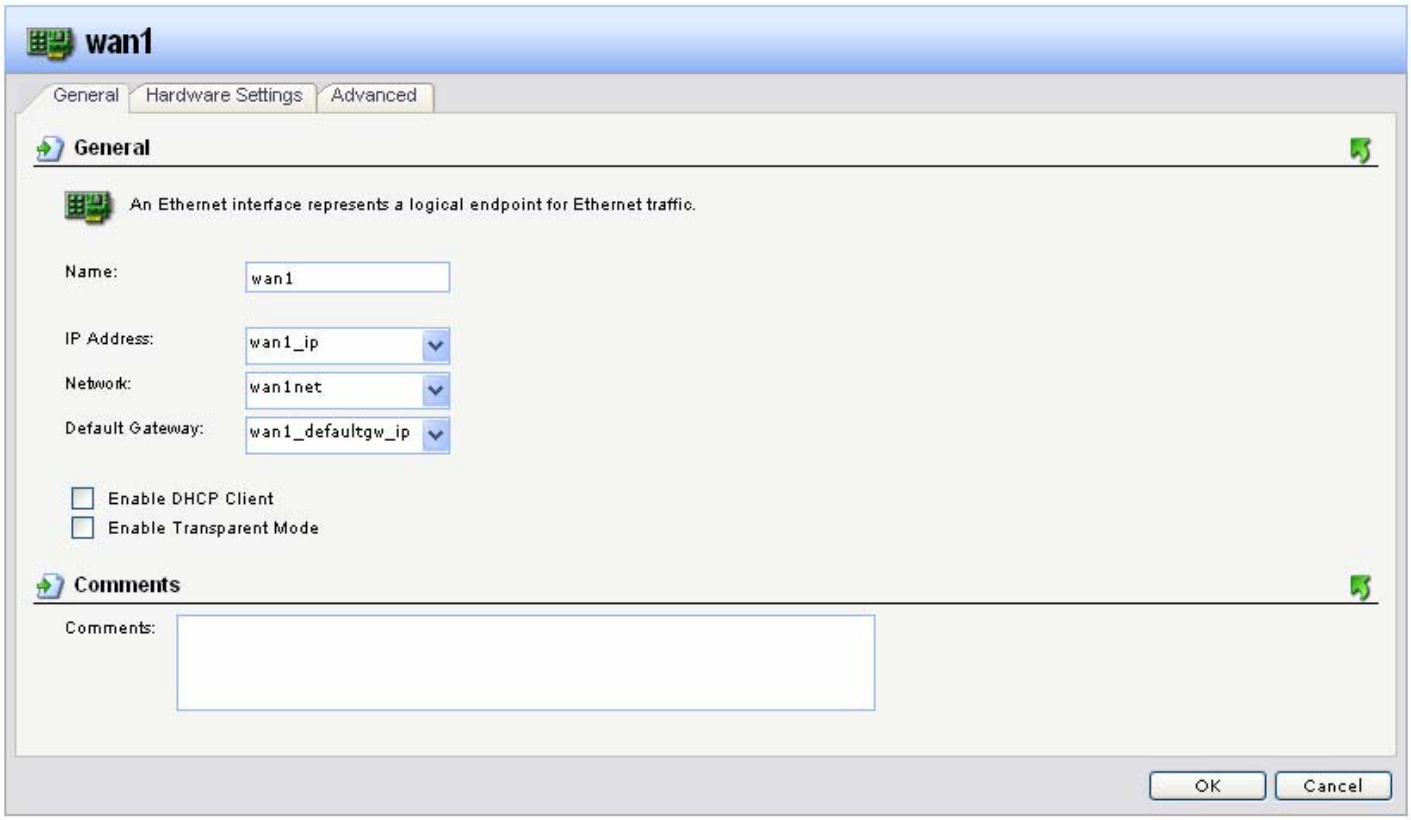

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
IP Rules
Access
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Access
Add, remove and modify IP spoofing filters, that regulates which IP addresses the system will accept as sender addresses.
Add
Access Rule
Name Action Interface Network Comments
Right-click on a row for further options.

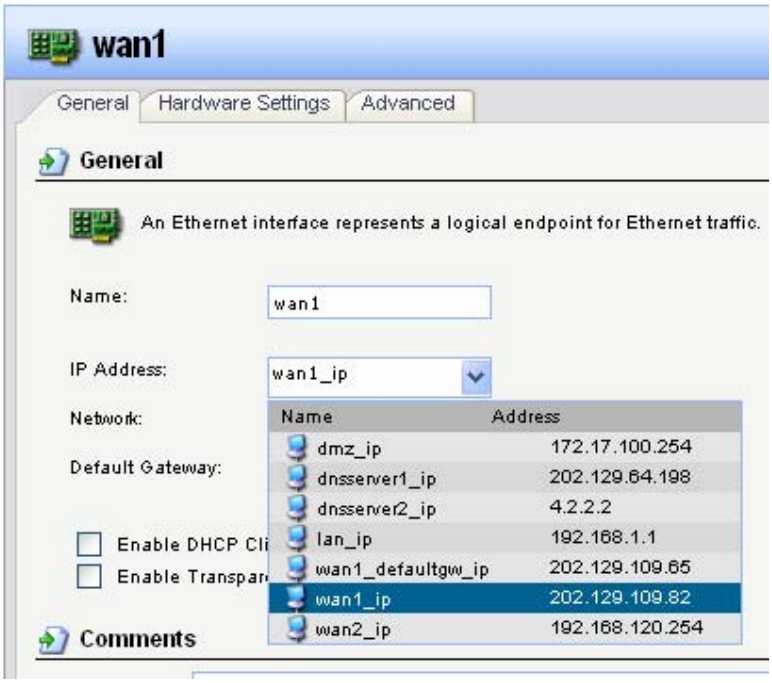

Untitled
General
Log Settings
General
Use an access rule to allow or block specific source IP addresses on a specific interface.
Name: Untitled
Action: Drop
Interface: (None)
Network: (None)
Comments
Comments:
OK
Cancel

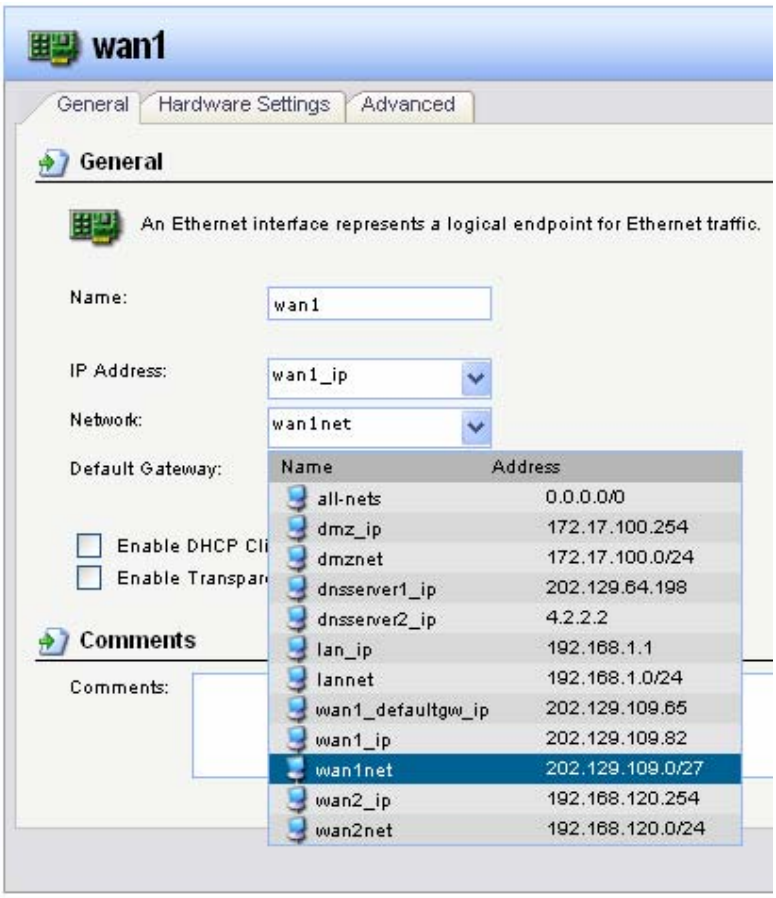

Untitled
General
Log Settings
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Log Receivers
Log to:
All receivers
Specific receiver(s):
Available
Selected
MemLog
>>
<<
OK
Cancel

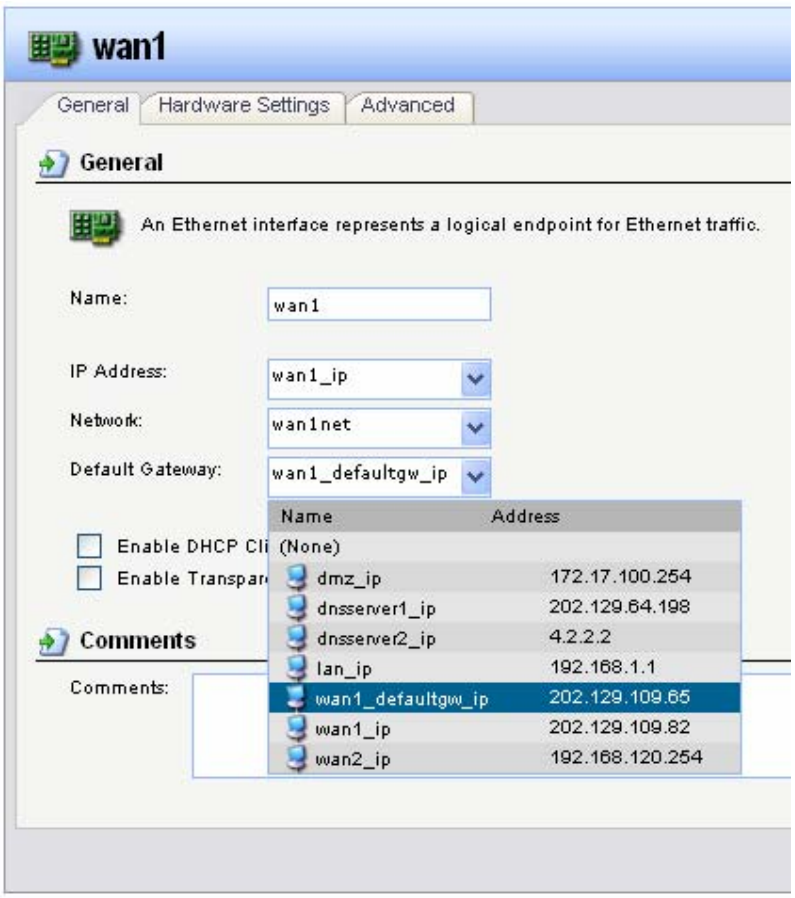

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Interfaces
Ethernet
Configure the settings for the Ethernet adapters in the system.
VLAN
Add, remove and configures IEEE 802.1Q based Virtual LAN interfaces.
IPsec Tunnels
Manage the IPsec tunnel interfaces used for establishing IPsec VPN connections to and from this system.
PPPoE Tunnels
Setup PPP (Point-to-Point Protocol) tunnels over Ethernet interfaces.
L2TP/PPTP Servers
Add, remove and configure L2TP/PPTP interfaces used for terminating L2TP/PPTP-based VPN tunnels.
L2TP/PPTP Clients
L2TP/PPTP (Layer 2 Tunneling Protocol/Point-to-Point Tunneling Protocol) interfaces are used for terminating L2TP/PPTP-based VPN tunnels.
Interface Groups
Use interface groups to combine several interfaces for simplified policy management.
ARP Table
Add, remove and configure static and published ARP entries.


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
Routing
Ethernet
Configure the settings for the Ethernet adapters in the system.
Name IP Network DefaultGateway DHCPEnabled Comments
0 wan1 wan1_ip wan1net wan1_defaultgw_ip No
1 wan2 wan2_ip wan2net No
2 dmz dmz_ip dmznet No
3 lan lan_ip lannet No
Right-click on a row for further options.

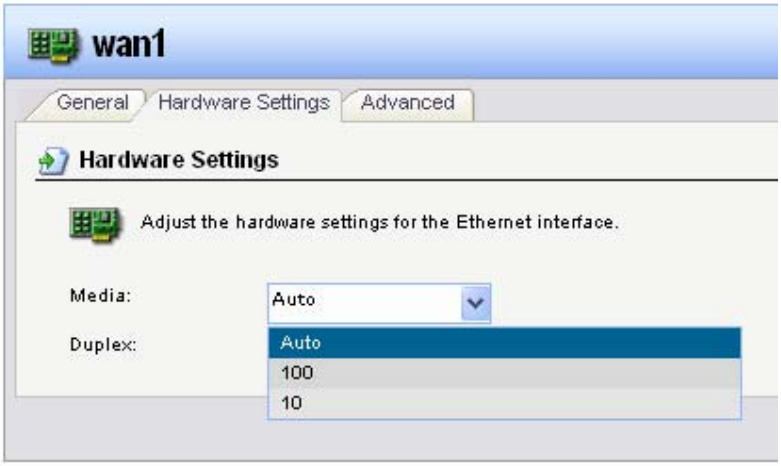

wan1
General
Hardware Settings
Advanced
General
An Ethernet interface represents a logical endpoint for Ethernet traffic.
Name:
wan1
IP Address:
wan1_ip
Network:
wan1net
Default Gateway:
wan1_defaultgw_ip
Enable DHCP Client
Enable Transparent Mode
Comments
Comments:
OK
Cancel

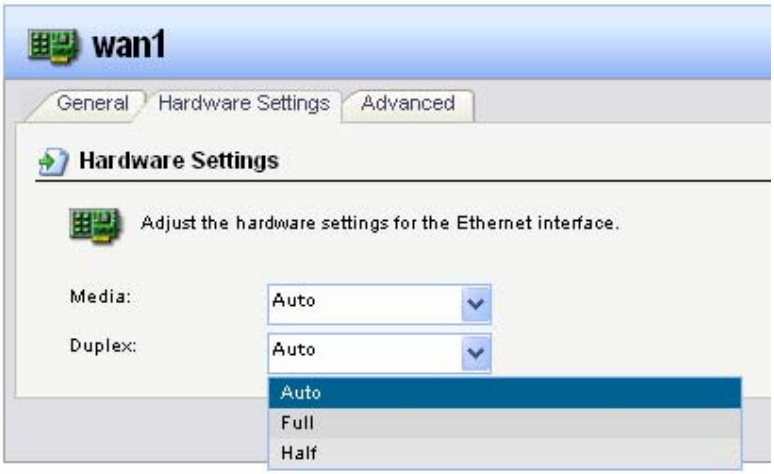

wan1
General
Hardware Settings
Advanced
General
An Ethernet interface represents a logical endpoint for Ethernet traffic.
Name:
wan1
IP Address:
wan1_ip
Network:
Default Gateway:
Name
Address
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254
Comments


wan1
General
Hardware Settings
Advanced
General
An Ethernet interface represents a logical endpoint for Ethernet traffic.
Name:
wan1
IP Address:
wan1_ip
Network:
wan1net
Default Gateway:
Name
Address
all-nets
0.0.0.0/0
dmz_ip
172.17.100.254
dmznet
172.17.100.0/24
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
lannet
192.168.1.0/24
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan1net
202.129.109.0/27
wan2_ip
192.168.120.254
wan2net
192.168.120.0/24
Enable DHCP Cli
Enable Transpar
Comments
Comments:

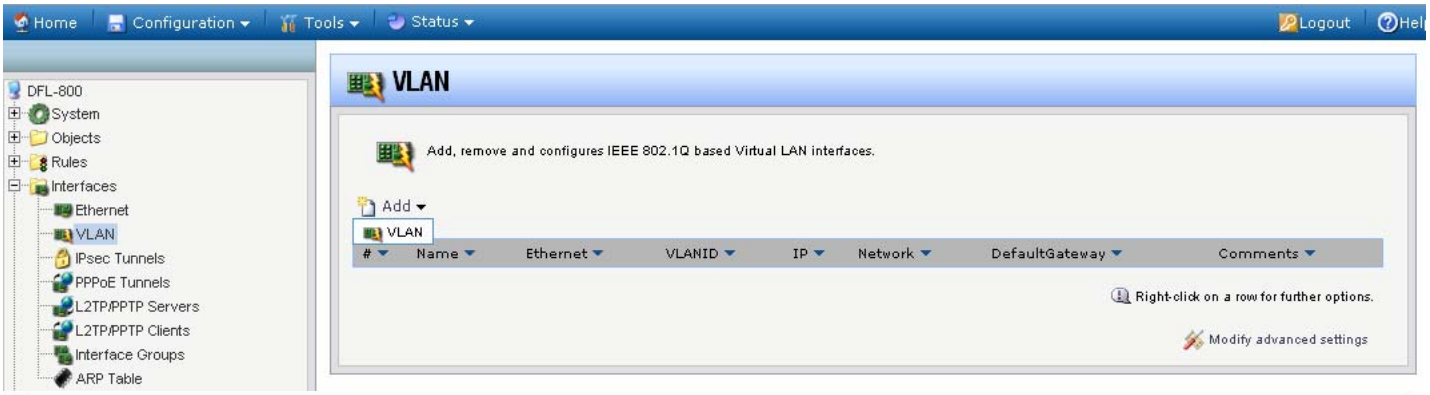

wan1
General
Hardware Settings
Advanced
General
An Ethernet interface represents a logical endpoint for Ethernet traffic.
Name:
wan1
IP Address:
wan1_ip
Network:
wan1net
Default Gateway:
wan1_defaultgw_ip
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254
Enable DHCP Cli
Enable Transpar
Comments
Comments:

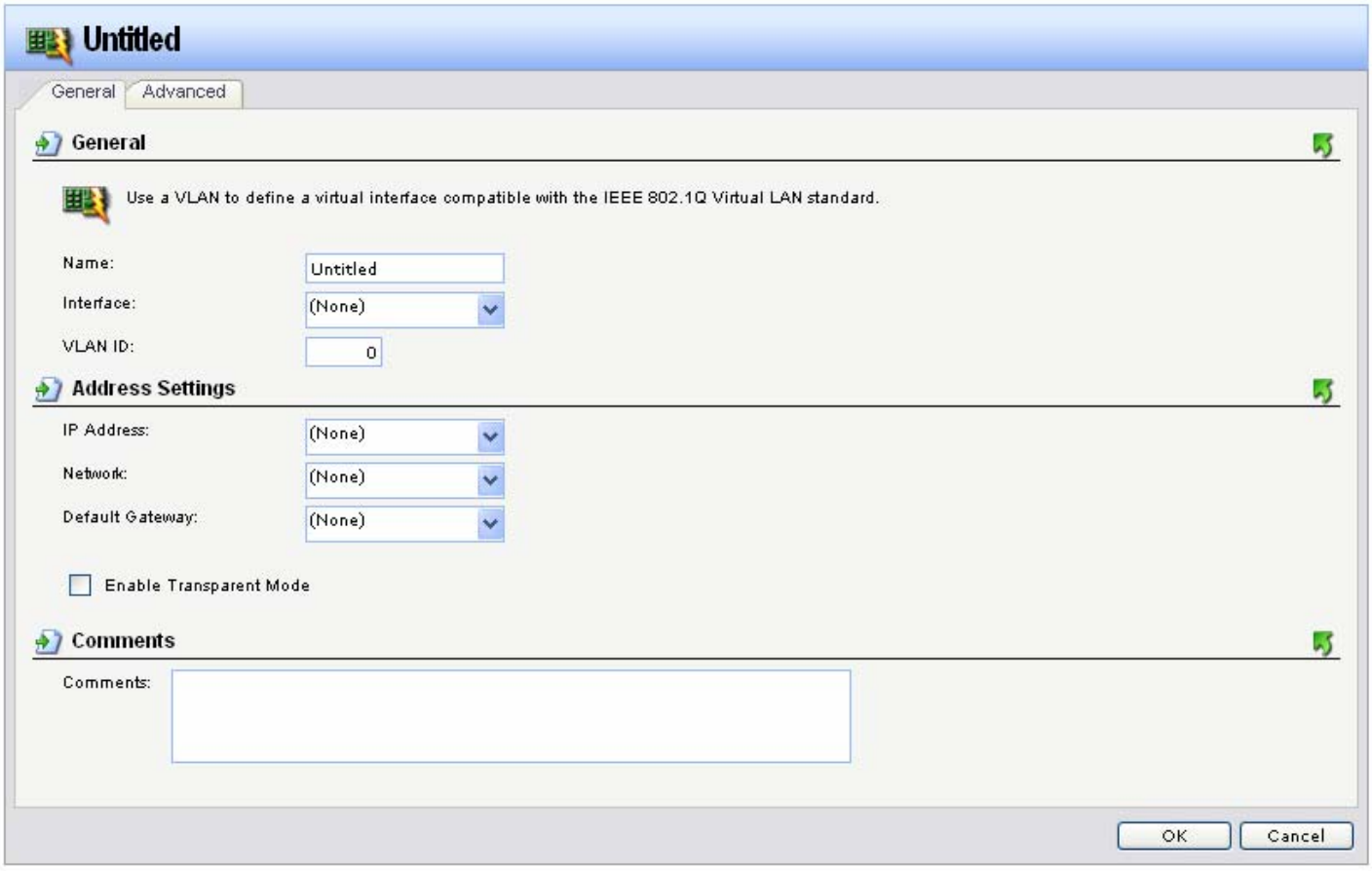

wan1
General
Hardware Settings
Advanced
Hardware Settings
Adjust the hardware settings for the Ethernet interface.
Media:
Auto
Duplex:
Auto
OK
Cancel


wan1
General
Hardware Settings
Advanced
Hardware Settings
Adjust the hardware settings for the Ethernet interface.
Media:
Auto
Duplex:
Auto
100
10

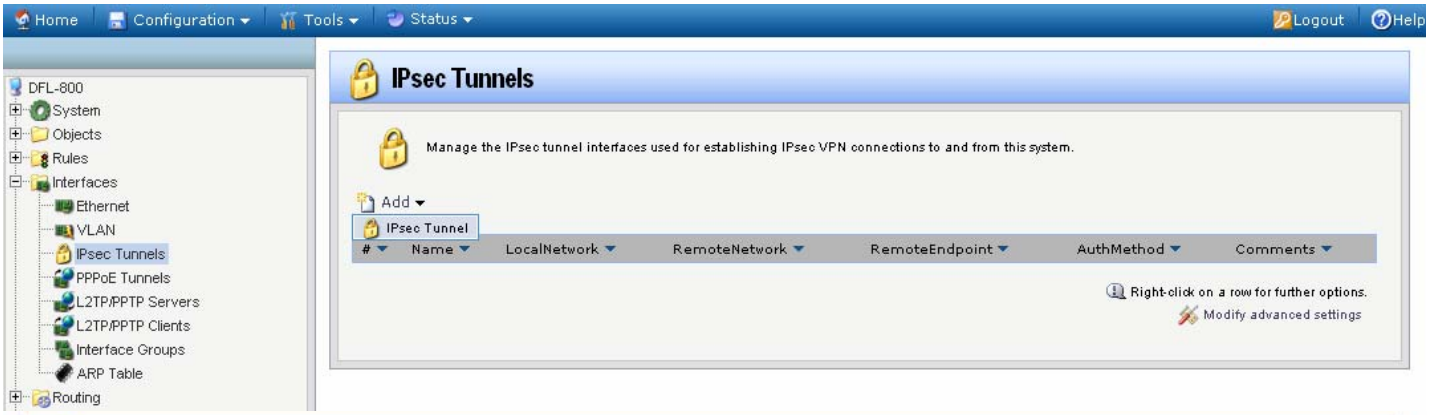

wan1
General
Hardware Settings
Advanced
Hardware Settings
Adjust the hardware settings for the Ethernet interface.
Media:
Auto
Duplex:
Auto
Auto
Full
Half

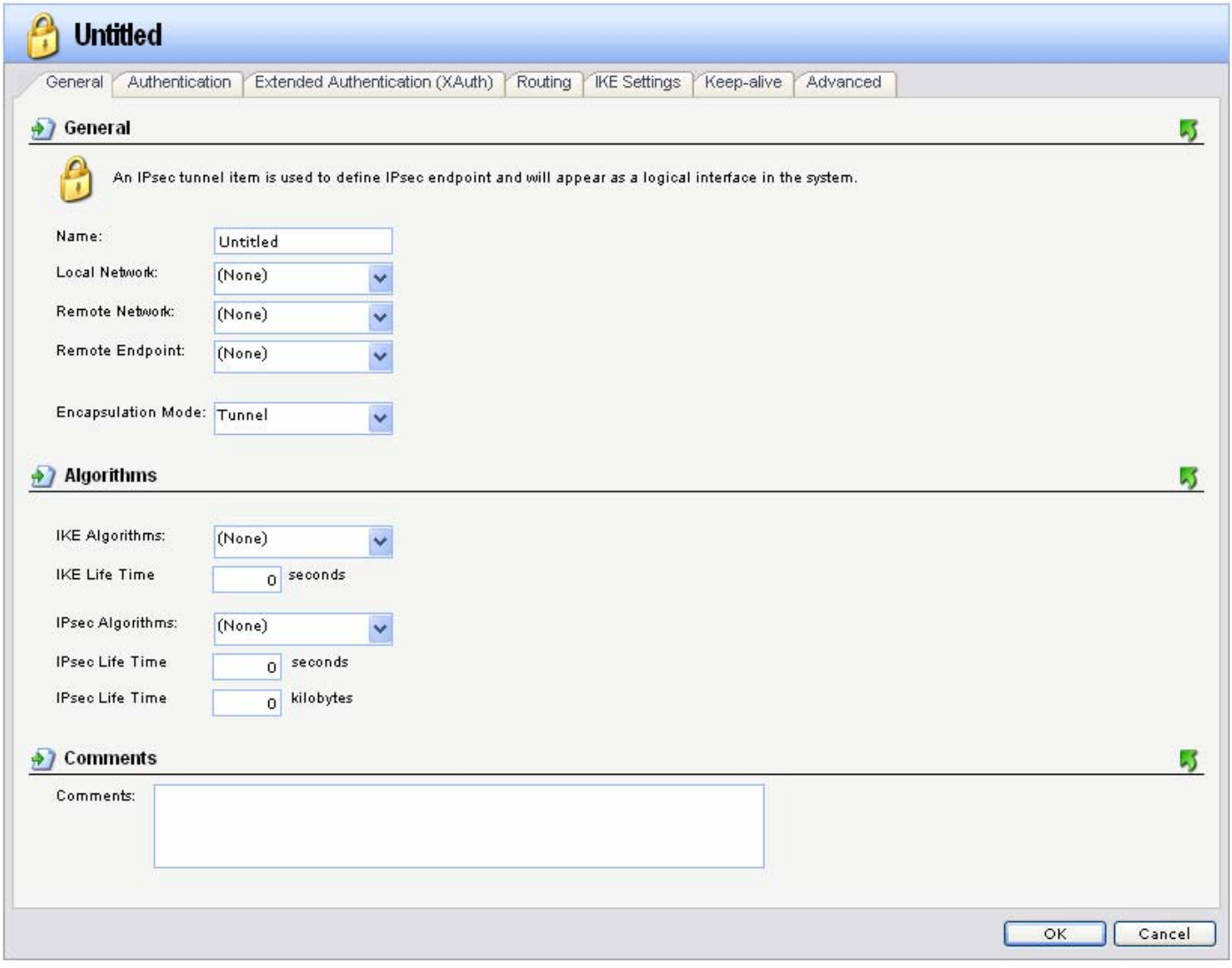

wan1
General
Hardware Settings
Advanced
Automatic Route Creation
Automatically add commonly used routes related to this interface
Add route for interface network
Add default route if default gateway is specified
Route Metric:
100
OK
Cancel

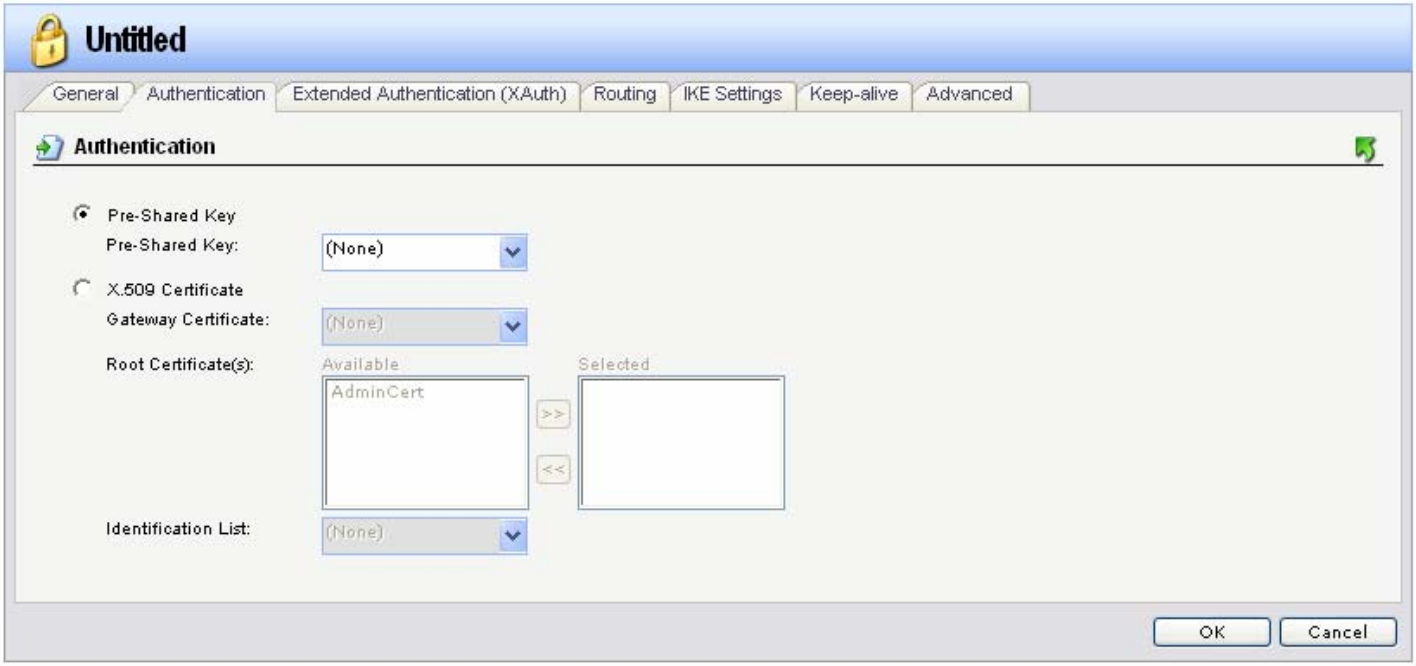

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
VLAN
Add, remove and configures IEEE 802.1Q based Virtual LAN interfaces.
Add
VLAN
Name Ethernet VLANID IP Network DefaultGateway Comments
Right-click on a row for further options.
Modify advanced settings

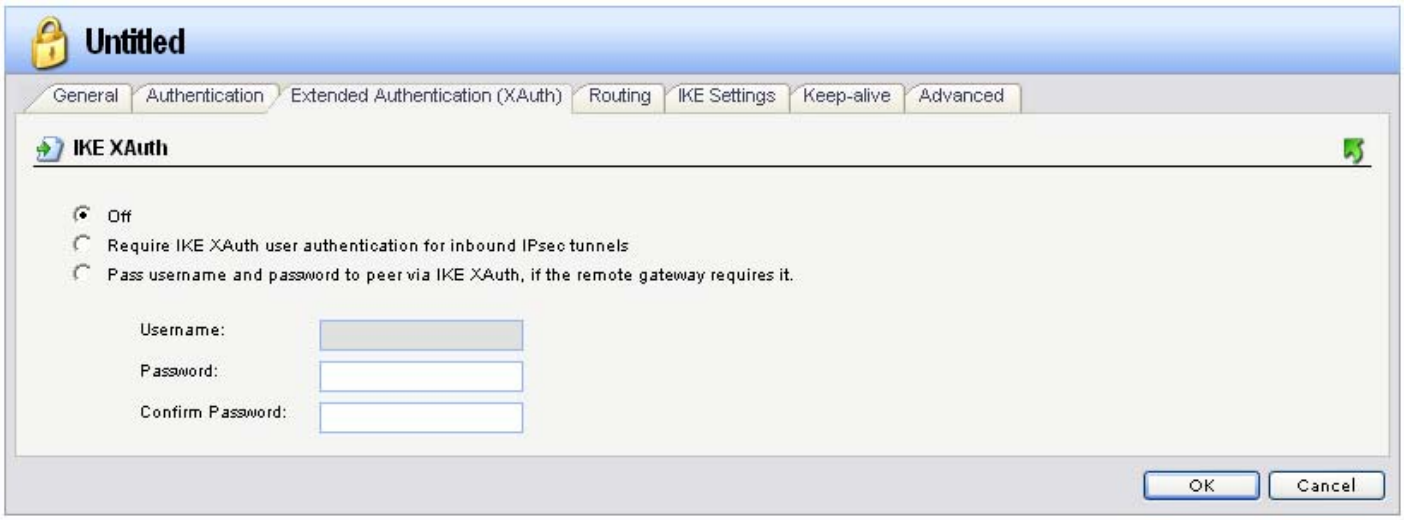

Untitled
General
Advanced
General
Use a VLAN to define a virtual interface compatible with the IEEE 802.1Q Virtual LAN standard.
Name:
Untitled
Interface:
(None)
VLAN ID:
0
Address Settings
IP Address:
(None)
Network:
(None)
Default Gateway:
(None)
Enable Transparent Mode
Comments
Comments:
OK
Cancel


Untitled
General
Advanced
Automatic Route Creation
Automatically add commonly used routes related to this interface
Add route for interface network
Add default route if default gateway is specified
Route Metric:
100
OK
Cancel

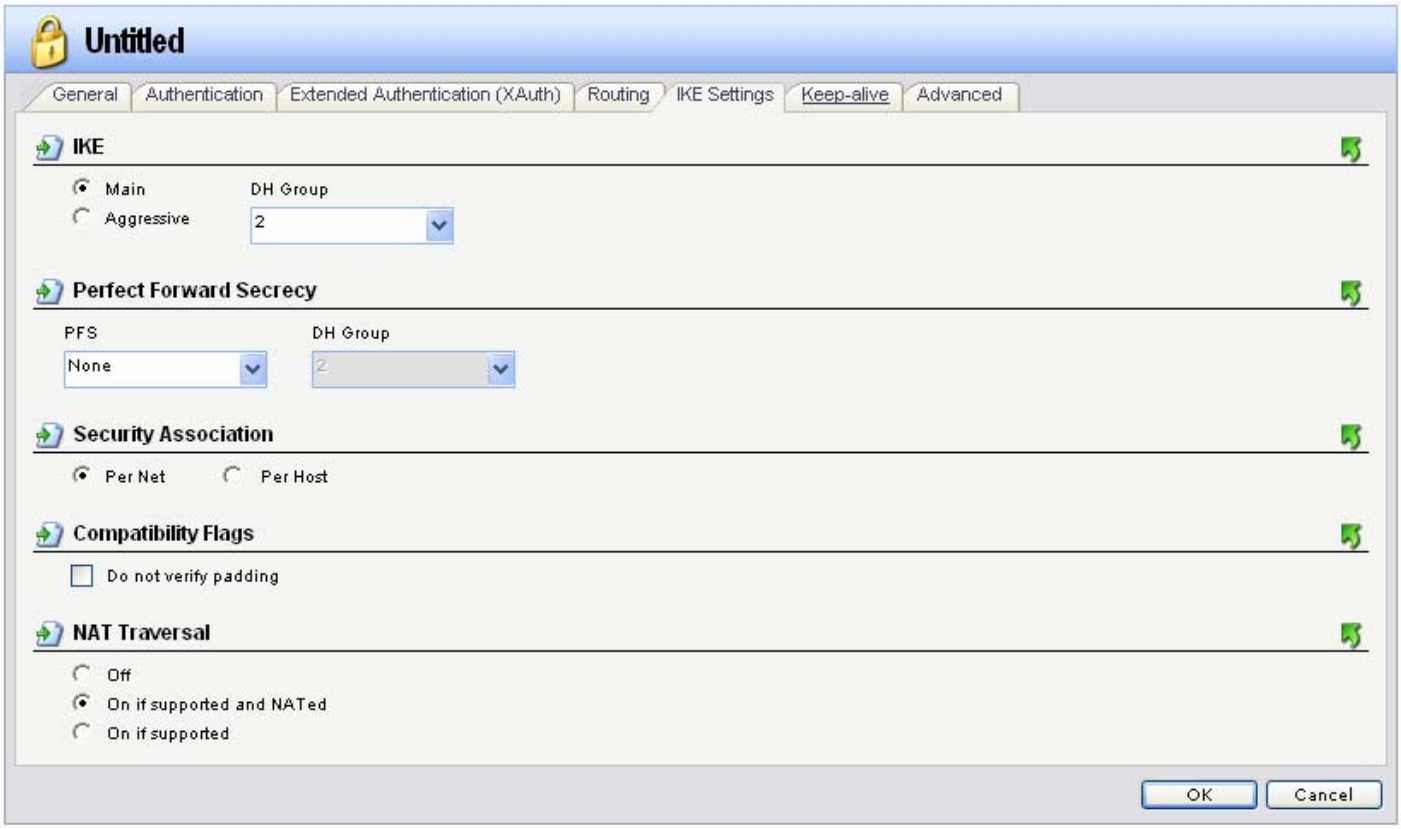

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
Routing
IPsec Tunnels
Manage the IPsec tunnel interfaces used for establishing IPsec VPN connections to and from this system.
Add
IPsec Tunnel
Name LocalNetwork RemoteNetwork RemoteEndpoint AuthMethod Comments
Right-click on a row for further options.
Modify advanced settings

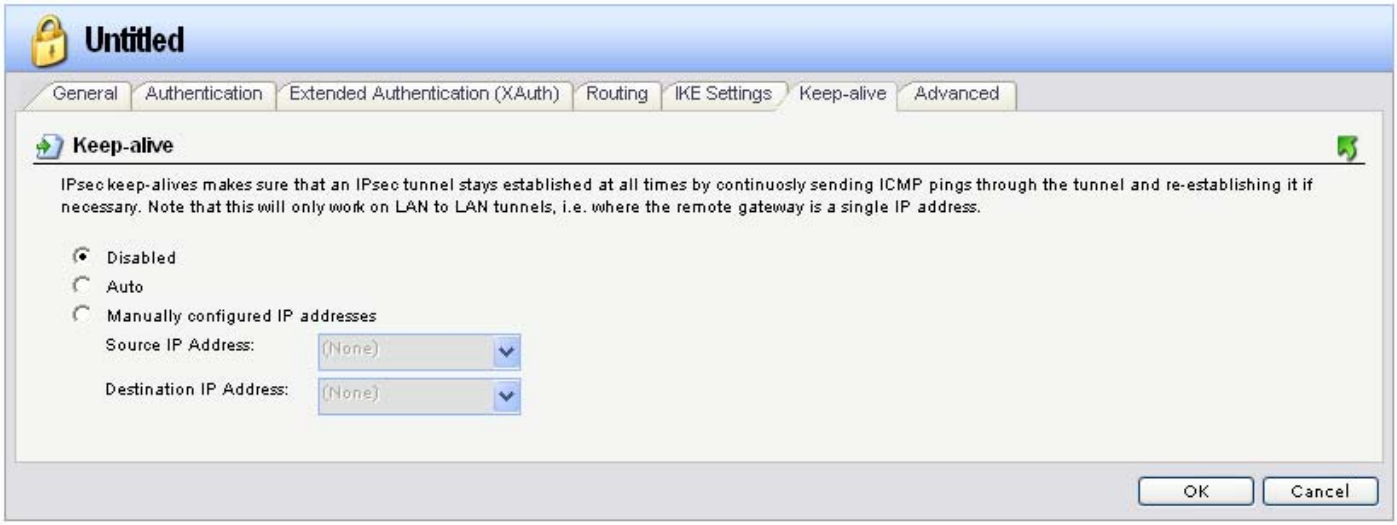

Untitled
General
Authentication
Extended Authentication (XAuth)
Routing
IKE Settings
Keep-alive
Advanced
General
An IPsec tunnel item is used to define IPsec endpoint and will appear as a logical interface in the system.
Name:
Untitled
Local Network:
(None)
Remote Network:
(None)
Remote Endpoint:
(None)
Encapsulation Mode:
Tunnel
Algorithms
IKE Algorithms:
(None)
IKE Life Time
0
seconds
IPsec Algorithms:
(None)
IPsec Life Time
0
seconds
IPsec Life Time
0
kilobytes
Comments
Comments:
OK
Cancel

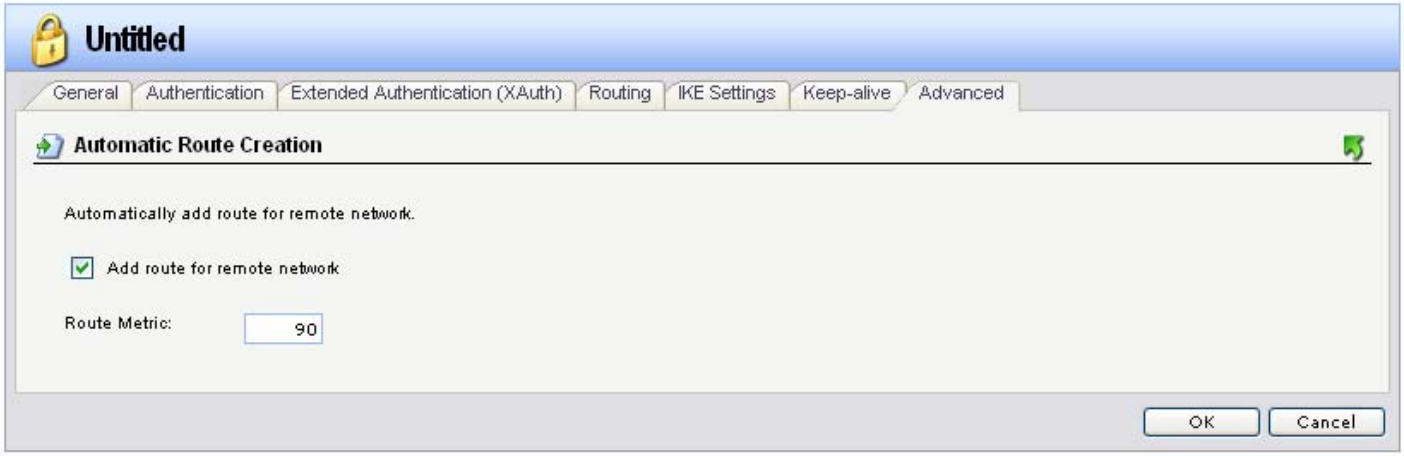

Untitled
General
Authentication
Extended Authentication (XAuth)
Routing
IKE Settings
Keep-alive
Advanced
Authentication
Pre-Shared Key
Pre-Shared Key:
(None)
X.509 Certificate
Gateway Certificate:
(None)
Root Certificate(s):
Available
Selected
AdminCert
>>
<<
Identification List:
(None)
OK
Cancel


Untitled
General
Authentication
Extended Authentication (XAuth)
Routing
IKE Settings
Keep-alive
Advanced
IKE XAuth
Off
Require IKE XAuth user authentication for inbound IPsec tunnels
Pass username and password to peer via IKE XAuth, if the remote gateway requires it.
Username:
Password:
Confirm Password:
OK
Cancel

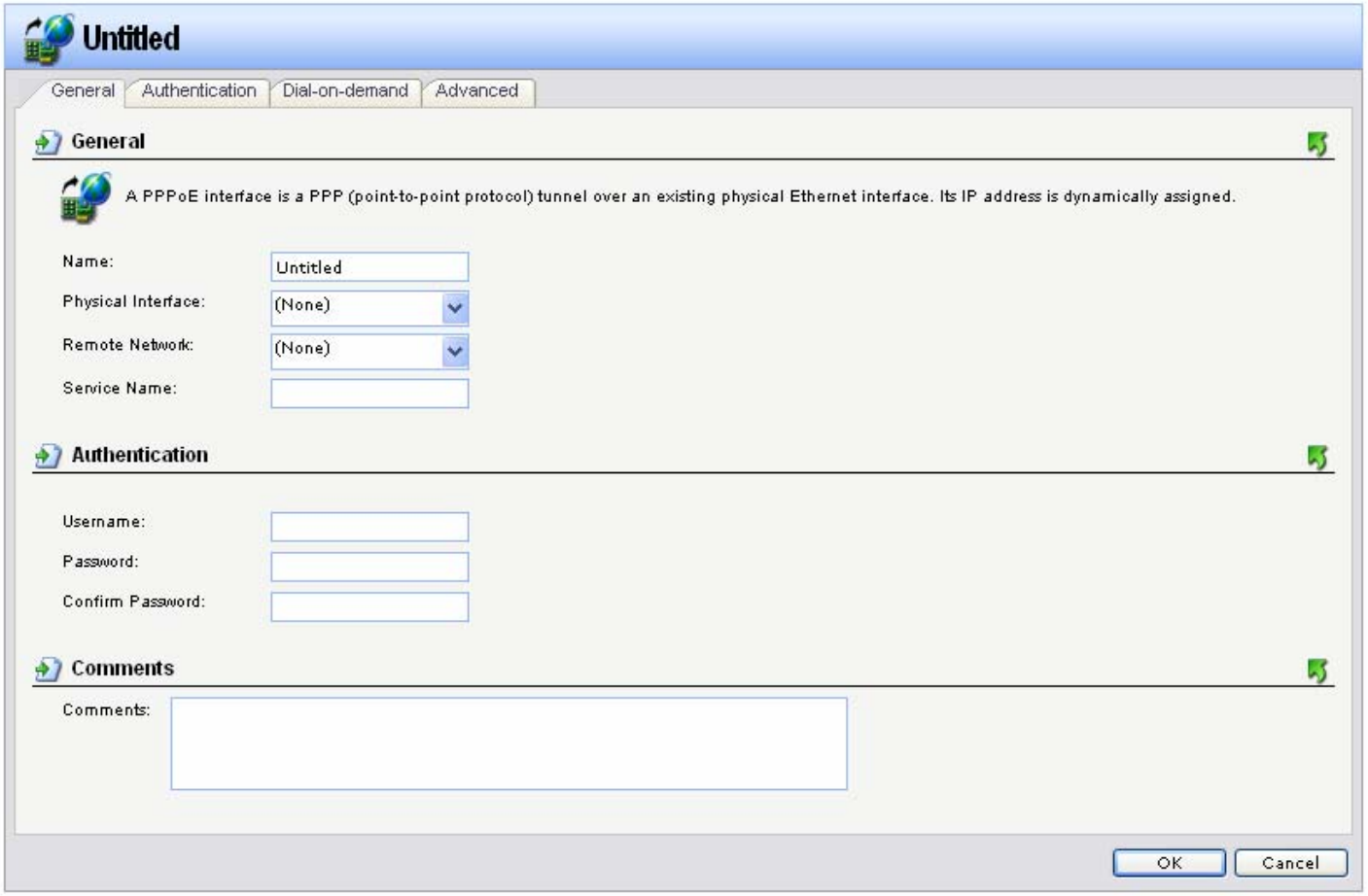

Untitled
General
Authentication
Extended Authentication (XAuth)
Routing
IKE Settings
Keep-alive
Advanced
Automatic Routing
Allow DHCP over IPSec from single-host clients
Dynamically add route to the remote network when a tunnel is established
Packet Sizes
Specify the size at which to fragment plaintext packets (rather than fragmenting IPsec).
Plaintext MTU:
1424
IP Addresses
IP address to use as source IP of the tunnel
Automatically pick the address of a local interface that corresponds to the local net
Specify address manually:
IP Address:
(None)
OK
Cancel

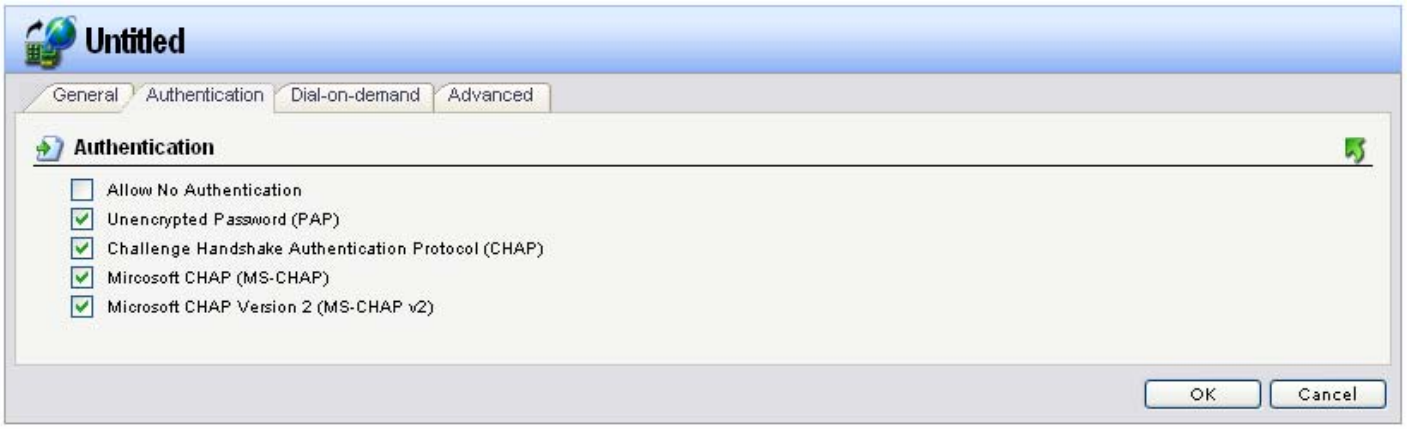

Untitled
General
Authentication
Extended Authentication (XAuth)
Routing
IKE Settings
Keep-alive
Advanced
IKE
Main
Aggressive
DH Group
2
Perfect Forward Secrecy
PFS
None
DH Group
2
Security Association
Per Net
Per Host
Compatibility Flags
Do not verify padding
NAT Traversal
Off
On if supported and NATed
On if supported
OK
Cancel


Untitled
General
Authentication
Extended Authentication (XAuth)
Routing
IKE Settings
Keep-alive
Advanced
Keep-alive
IPsec keep-alives makes sure that an IPsec tunnel stays established at all times by continuosly sending ICMP pings through the tunnel and re-establishing it if necessary. Note that this will only work on LAN to LAN tunnels, i.e. where the remote gateway is a single IP address.
Disabled
Auto
Manually configured IP addresses
Source IP Address:
(None)
Destination IP Address:
(None)
OK
Cancel


Untitled
General
Authentication
Extended Authentication (XAuth)
Routing
IKE Settings
Keep-alive
Advanced
Automatic Route Creation
Automatically add route for remote network.
Add route for remote network
Route Metric:
90
OK
Cancel

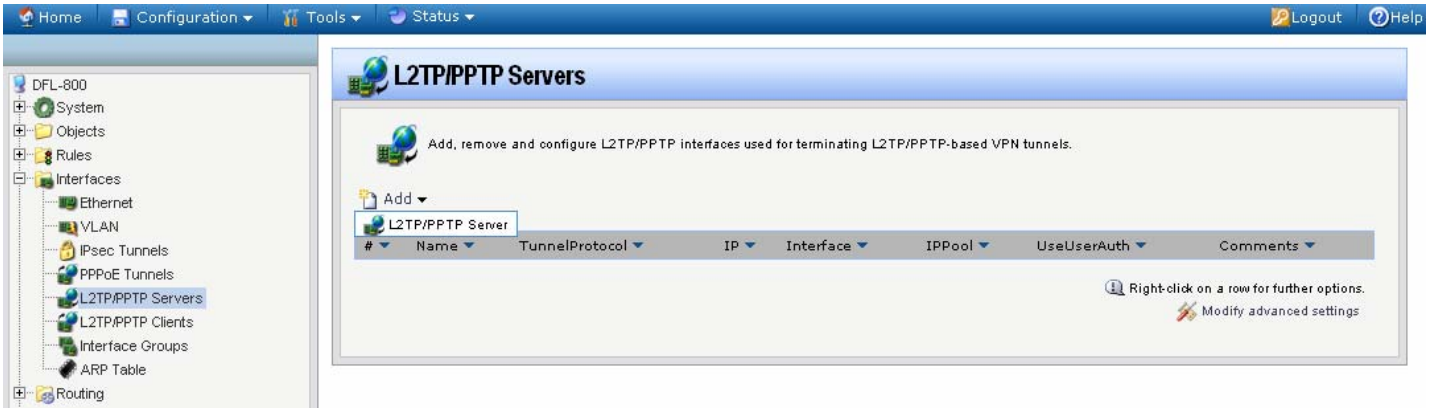

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
PPPoE Tunnels
Setup PPP (Point-to-Point Protocol) tunnels over Ethernet interfaces.
Add
PPPoE Tunnel
Name EthernetInterface Network ServiceName Username DialOnDemand Comments
Right-click on a row for further options.

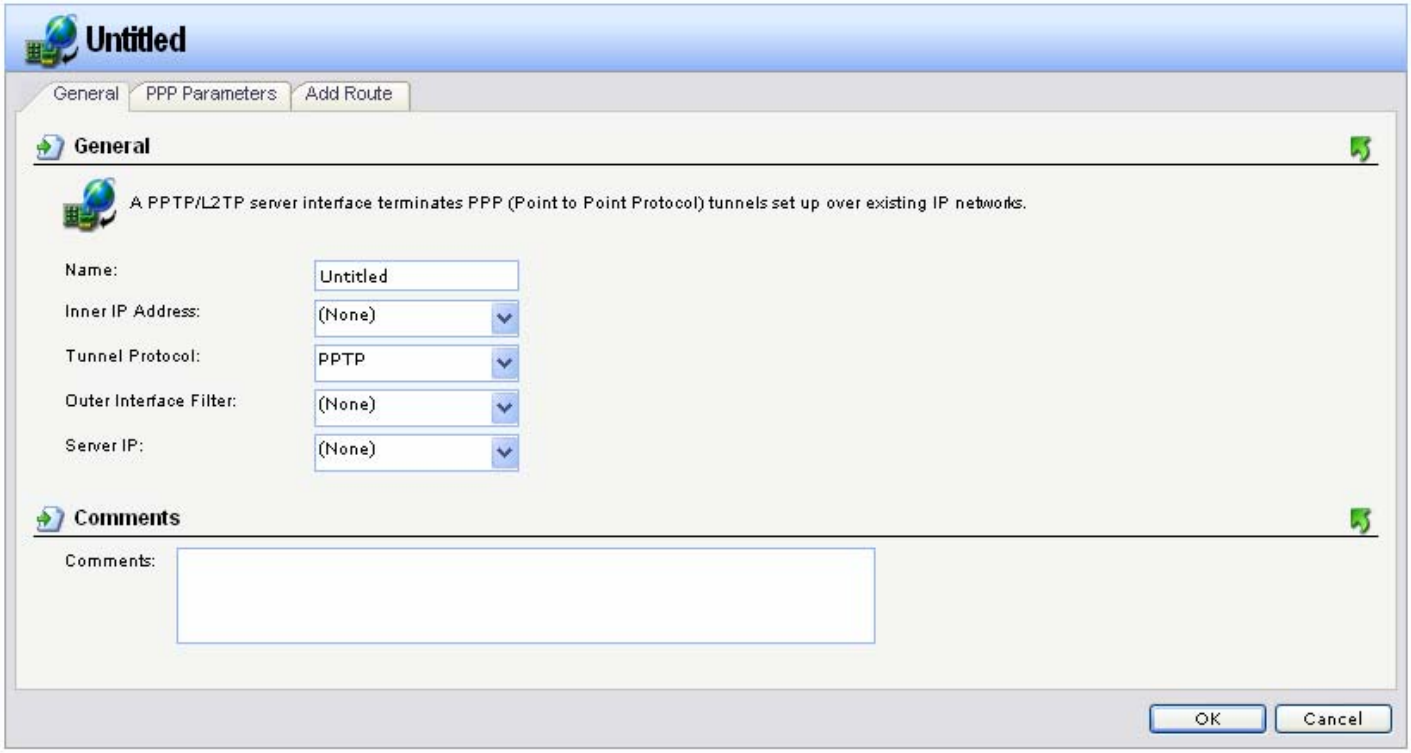

Untitled
General
Authentication
Dial-on-demand
Advanced
General
A PPPoE interface is a PPP (point-to-point protocol) tunnel over an existing physical Ethernet interface. Its IP address is dynamically assigned.
Name:
Untitled
Physical Interface:
(None)
Remote Network:
(None)
Service Name:
Authentication
Username:
Password:
Confirm Password:
Comments
Comments:
OK
Cancel

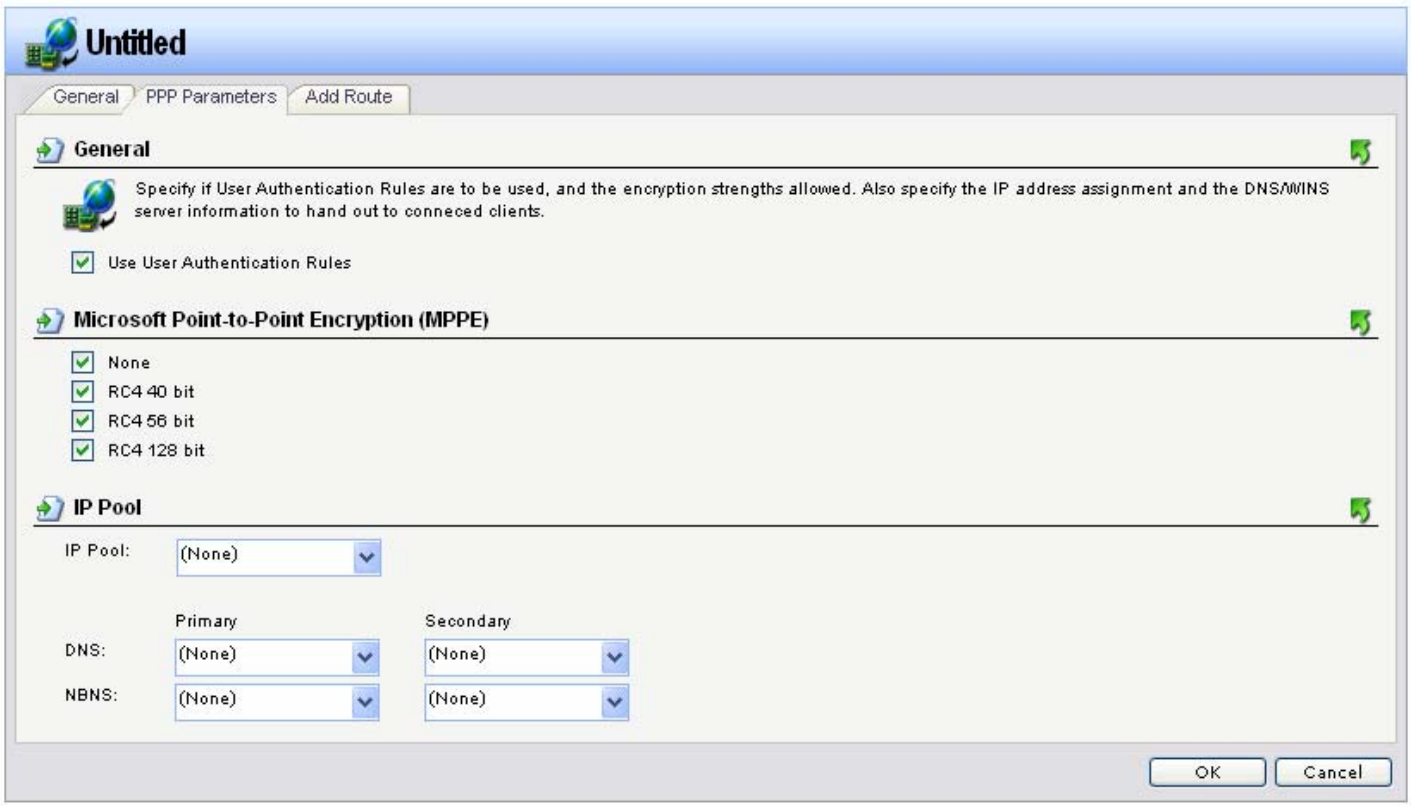

Untitled
General
Authentication
Dial-on-demand
Advanced
Authentication
Allow No Authentication
Unencrypted Password (PAP)
Challenge Handshake Authentication Protocol (CHAP)
Mircosoft CHAP (MS-CHAP)
Microsoft CHAP Version 2 (MS-CHAP v2)
OK
Cancel

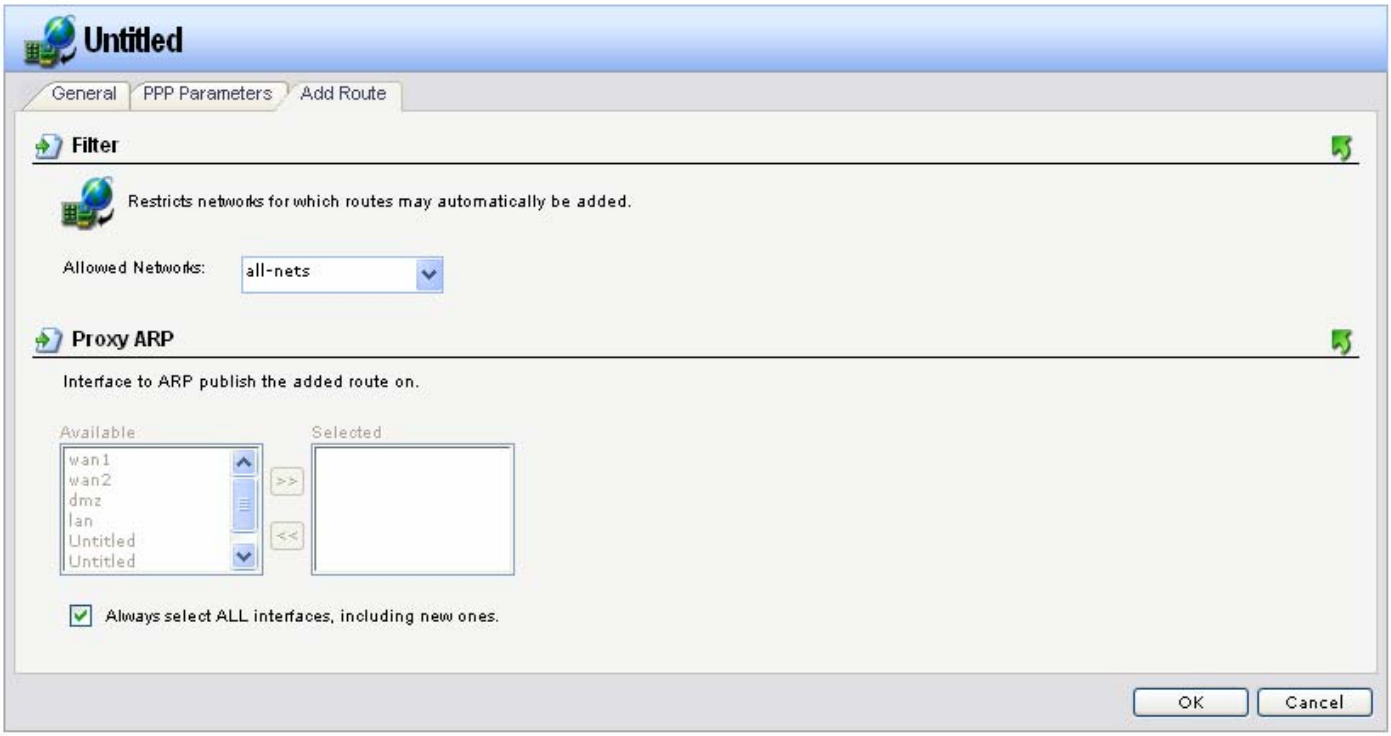

Untitled
General
Authentication
Dial-on-demand
Advanced
Dial-on-demand
Enable dial-on-demand to delay connection until traffic is sent on the interface. Idle timeout specifies the time to wait before disconnecting due to inactivity.
Enable Dial-on-demand
Activity Sensing:
BiDirectional
Idle Timeout:
3600
seconds
OK
Cancel


Untitled
General
Authentication
Dial-on-demand
Advanced
Automatic Route Creation
Automatically add route for remote network.
Add route for remote network
Route Metric:
90
OK
Cancel

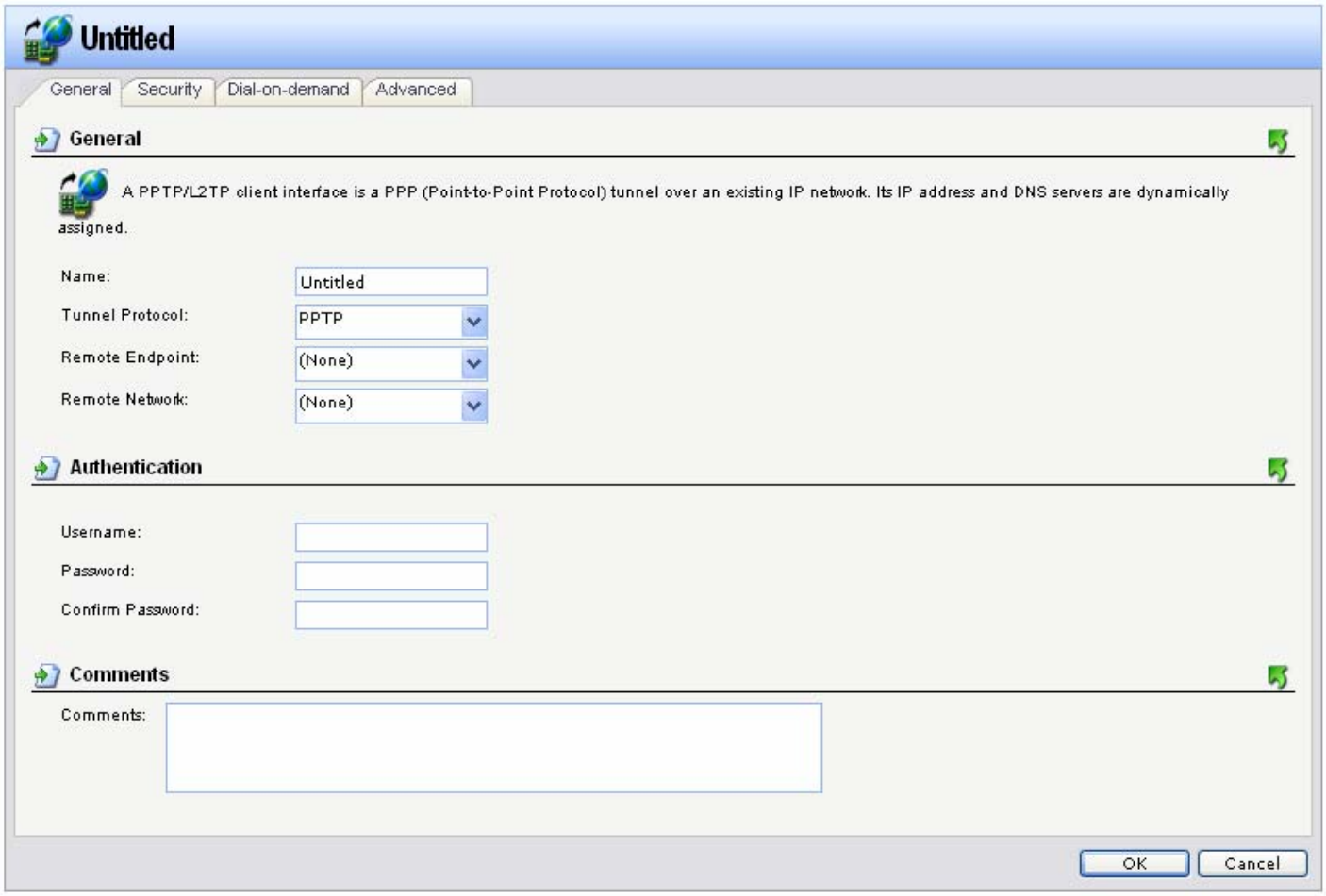

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
Routing
L2TP/PPTP Servers
Add, remove and configure L2TP/PPTP interfaces used for terminating L2TP/PPTP-based VPN tunnels.
Add
L2TP/PPTP Server
Name TunnelProtocol IP Interface IPPool UseUserAuth Comments
Right-click on a row for further options.
Modify advanced settings


Untitled
General
PPP Parameters
Add Route
General
A PPTP/L2TP server interface terminates PPP (Point to Point Protocol) tunnels set up over existing IP networks.
Name:
Untitled
Inner IP Address:
(None)
Tunnel Protocol:
PPTP
Outer Interface Filter:
(None)
Server IP:
(None)
Comments
Comments:
OK
Cancel


Untitled
General
PPP Parameters
Add Route
General
Specify if User Authentication Rules are to be used, and the encryption strengths allowed. Also specify the IP address assignment and the DNS/WINS server information to hand out to conneced clients.
Use User Authentication Rules
Microsoft Point-to-Point Encryption (MPPE)
None
RC4 40 bit
RC4 56 bit
RC4 128 bit
IP Pool
IP Pool:
(None)
Primary
Secondary
DNS:
(None)
(None)
NBNS:
(None)
(None)
OK
Cancel

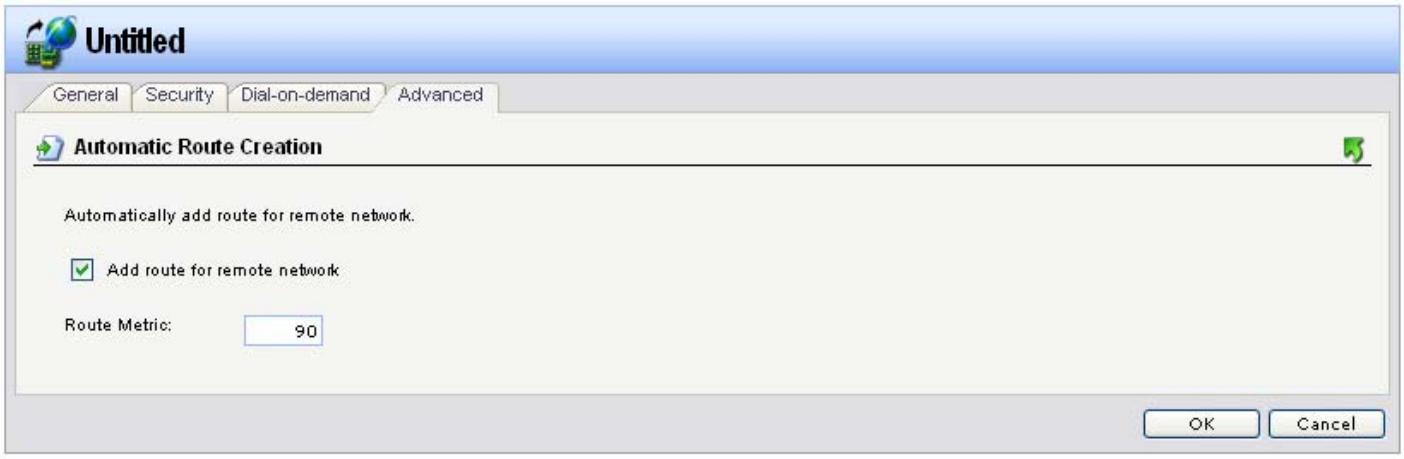

Untitled
General
PPP Parameters
Add Route
Filter
Restricts networks for which routes may automatically be added.
Allowed Networks:
all-nets
Proxy ARP
Interface to ARP publish the added route on.
Available
Selected
wan1
wan2
dmz
lan
Untitled
Untitled
>>
<<
Always select ALL interfaces, including new ones.
OK
Cancel

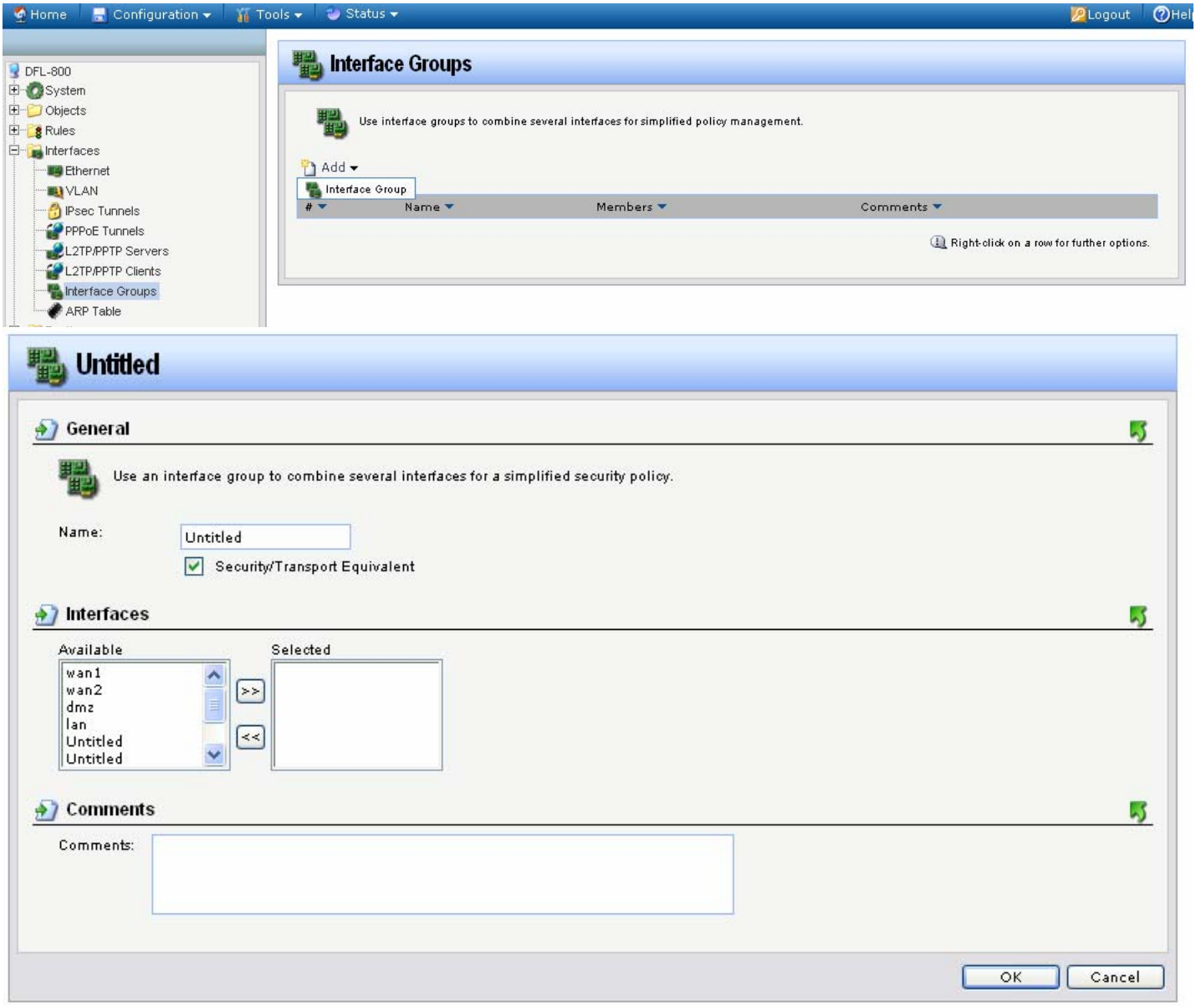

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
L2TP/PPTP Clients
L2TP/PPTP (Layer 2 Tunneling Protocol/Point-to-Point Tunneling Protocol) interfaces are used for terminating L2TP/PPTP-based VPN tunnels.
Add
L2TP/PPTP Client
Name TunnelProtocol RemoteEndpoint RemoteNetwork Username DialOnDemand Comments
Right-click on a row for further options.

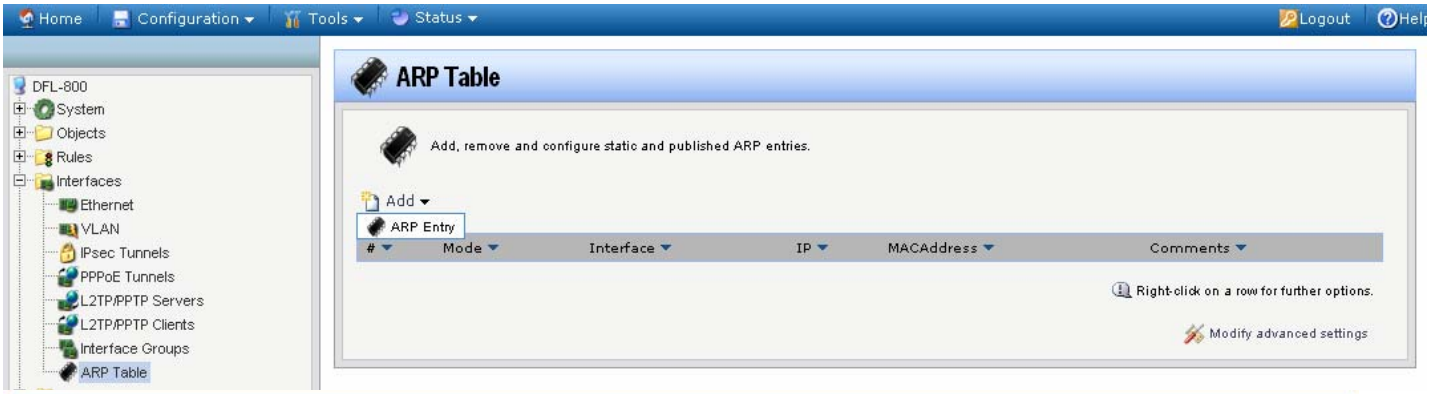

Untitled
General
Security
Dial-on-demand
Advanced
General
A PPTP/L2TP client interface is a PPP (Point-to-Point Protocol) tunnel over an existing IP network. Its IP address and DNS servers are dynamically assigned.
Name:
Untitled
Tunnel Protocol:
PPTP
Remote Endpoint:
(None)
Remote Network:
(None)
Authentication
Username:
Password:
Confirm Password:
Comments
Comments:
OK
Cancel

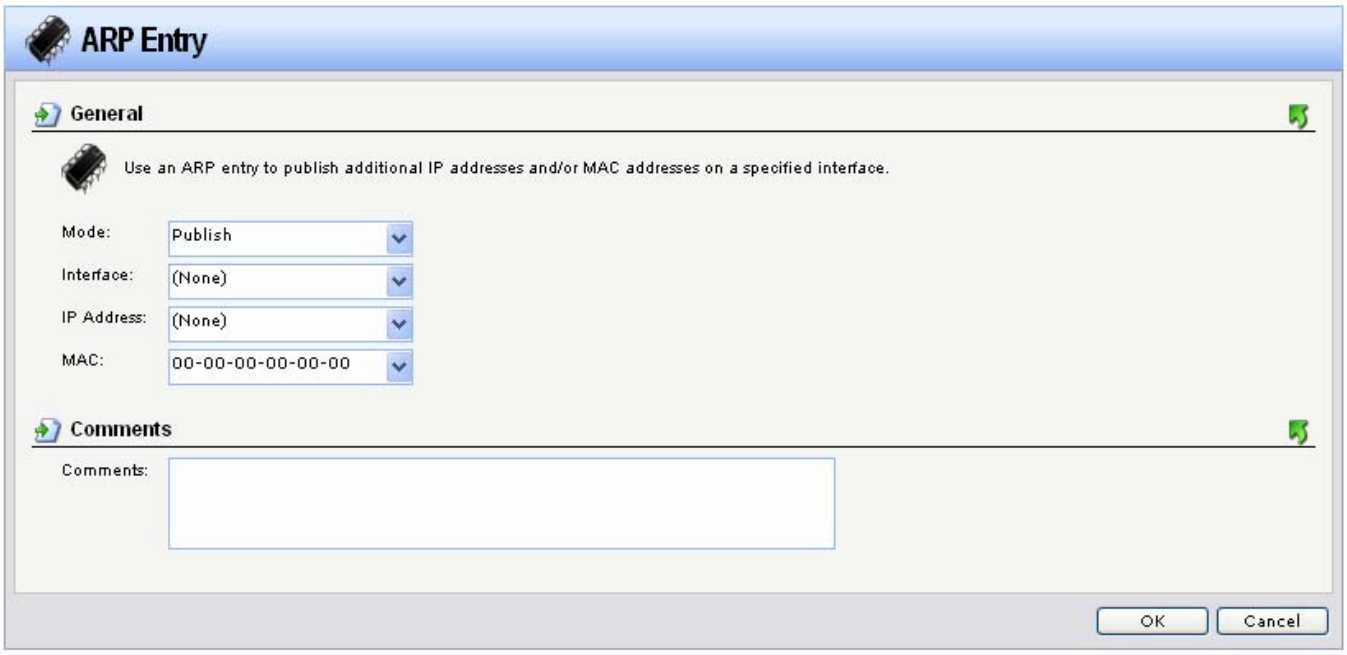

Untitled
General
Security
Dial-on-demand
Advanced
Authentication
Allow No Authentication
Unencrypted Password (PAP)
Challenge Handshake Authentication Protocol (CHAP)
Microsoft CHAP (MS-CHAP)
Microsoft CHAP Version 2 (MS-CHAP v2)
Microsoft Point-to-Point Encryption (MPPE)
None
RC4 40 bit
RC4 56 bit
RC4 128 bit
OK
Cancel

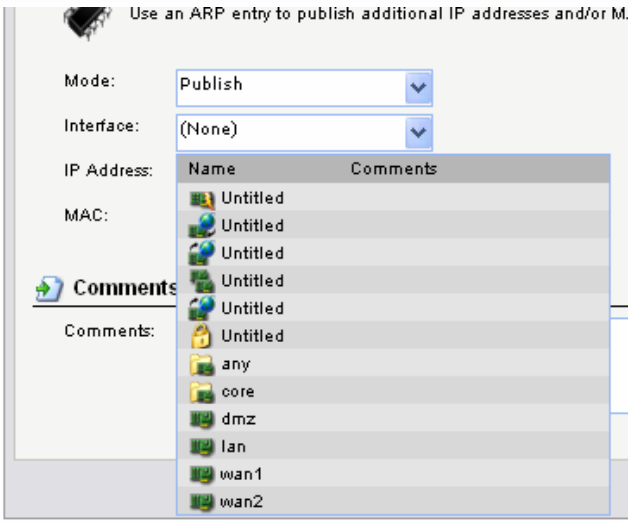

Untitled
General
Security
Dial-on-demand
Advanced
General
Enable Dial-on-demand
Enable Dial-on-demand
Activity Sensing:
BiDirectional
Idle Timeout:
3600
seconds
OK
Cancel

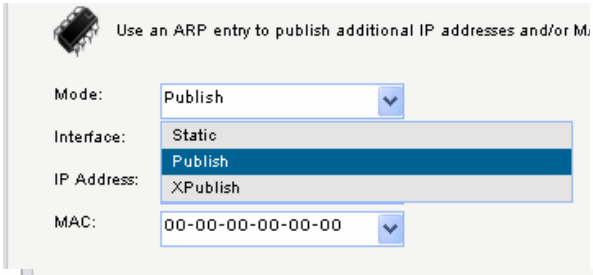

Untitled
General
Security
Dial-on-demand
Advanced
Automatic Route Creation
Automatically add route for remote network.
Add route for remote network
Route Metric:
90
OK
Cancel

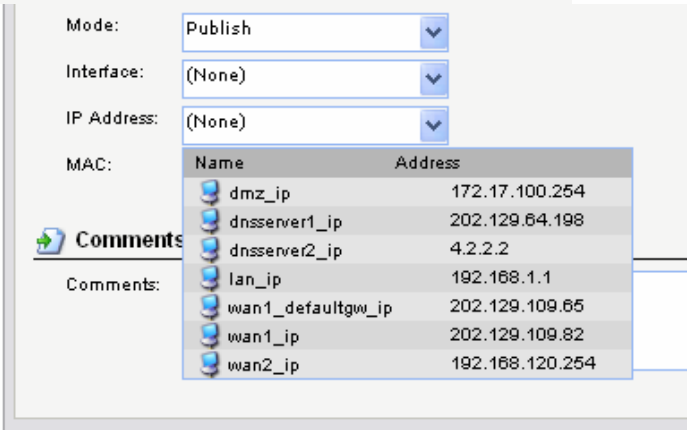

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
Interface Groups
Use interface groups to combine several interfaces for simplified policy management.
Add
Interface Group
Name Members Comments
Right-click on a row for further options.
Untitled
General
Use an interface group to combine several interfaces for a simplified security policy.
Name:
Untitled
Security/Transport Equivalent
Interfaces
Available
Selected
wan1
wan2
dmz
lan
Untitled
Untitled
>>
<<
Comments
Comments:
OK
Cancel


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Ethernet
VLAN
IPsec Tunnels
PPPoE Tunnels
L2TP/PPTP Servers
L2TP/PPTP Clients
Interface Groups
ARP Table
ARP Table
Add, remove and configure static and published ARP entries.
Add
ARP Entry
Mode Interface IP MACAddress Comments
Right-click on a row for further options.
Modify advanced settings

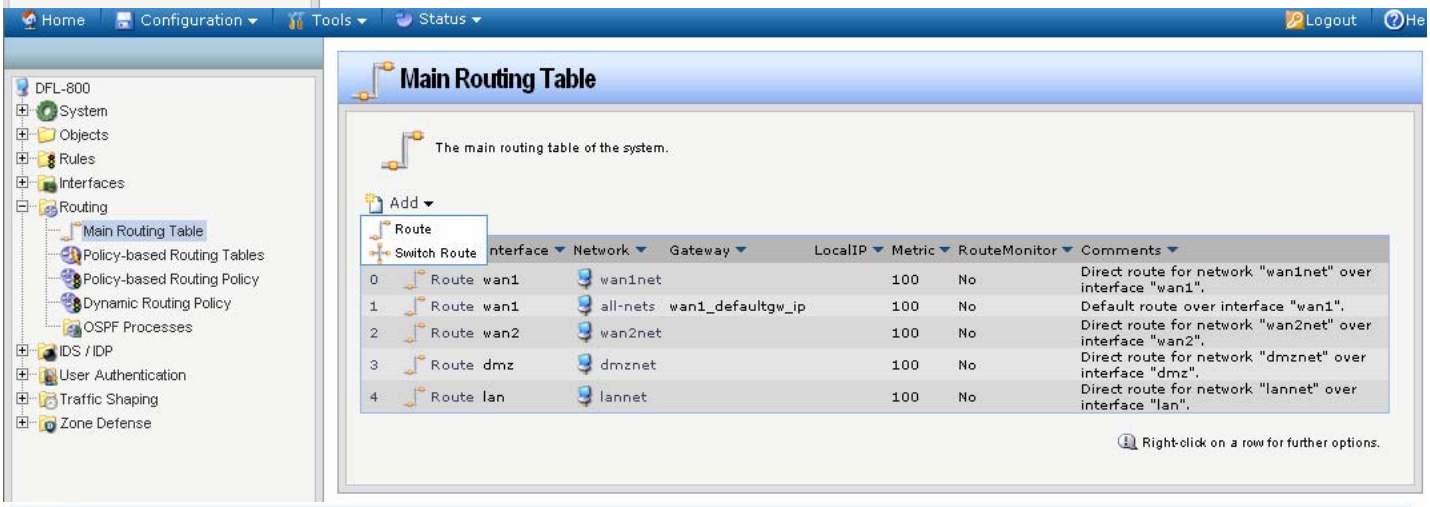

ARP Entry
General
Use an ARP entry to publish additional IP addresses and/or MAC addresses on a specified interface.
Mode: Publish
Interface: (None)
IP Address: (None)
MAC: 00-00-00-00-00-00
Comments
Comments:
OK
Cancel

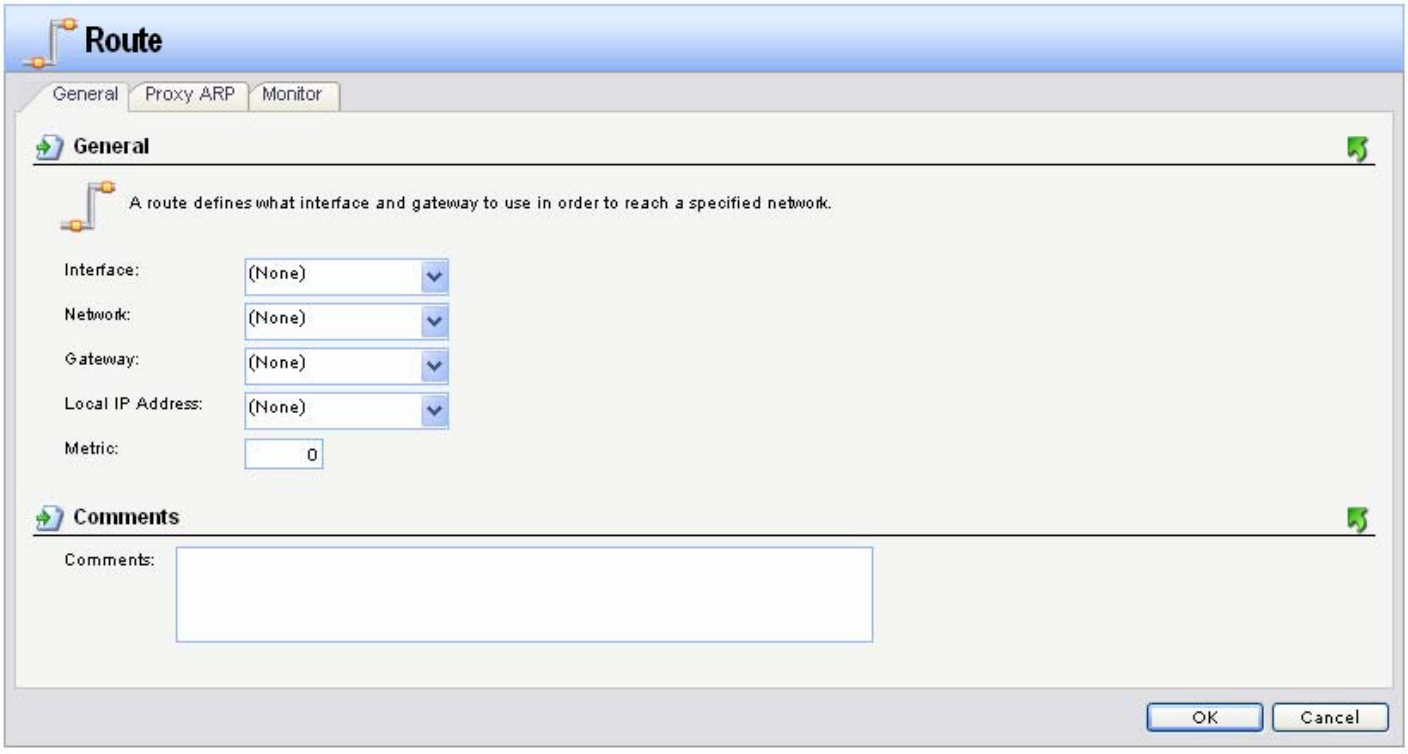

Use an ARP entry to publish additional IP addresses and/or M
Mode: Publish
Interface: (None)
IP Address:
MAC:
Name Comments
Untitled
Untitled
Untitled
Untitled
Untitled
Untitled
any
core
dmz
lan
wan1
wan2
Comments
Comments:

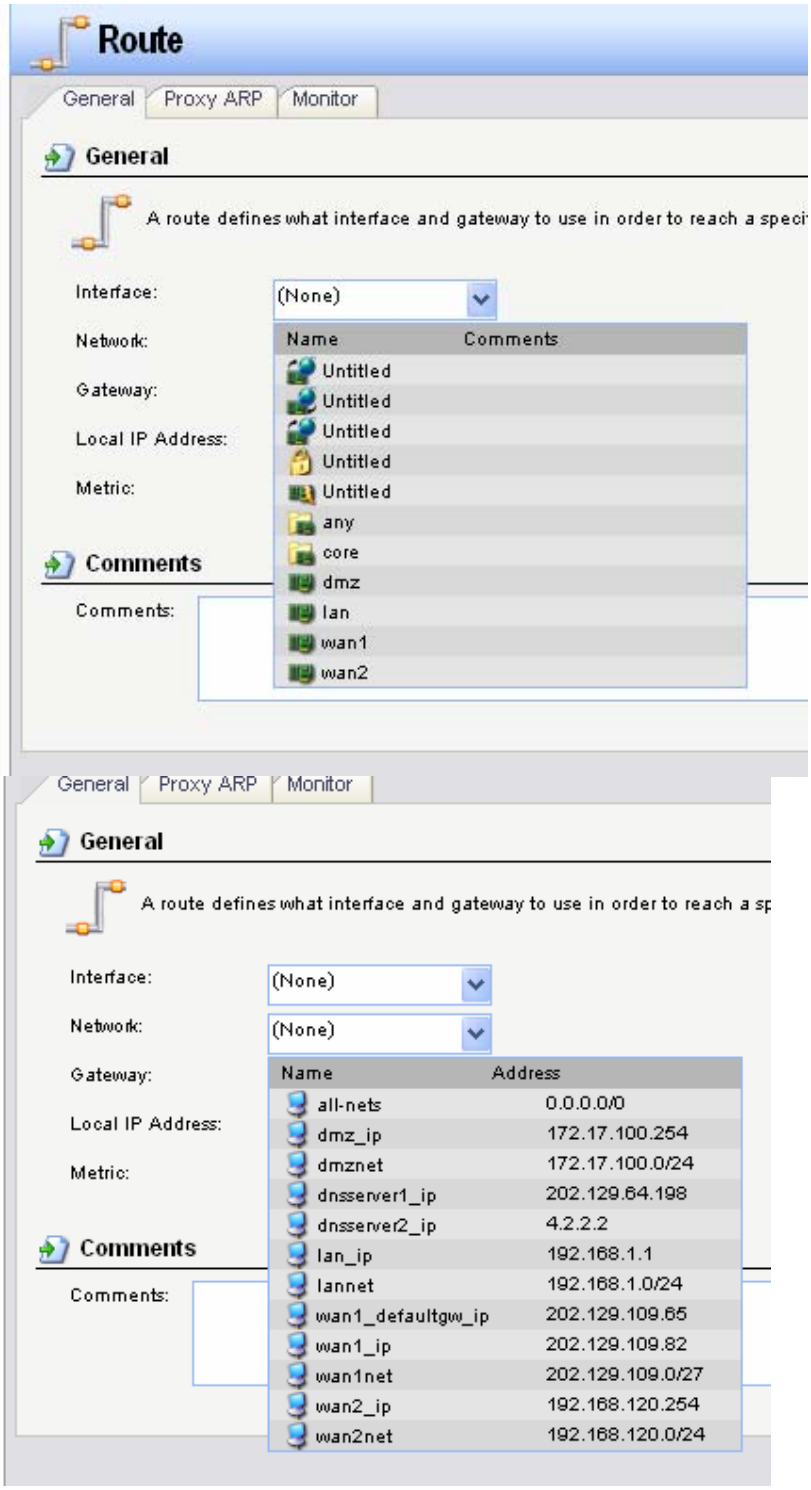

Use an ARP entry to publish additional IP addresses and/or M
Mode: Publish
Interface: Static
Publish
IP Address: XPublish
MAC: 00-00-00-00-00-00


Mode: Publish
Interface: (None)
IP Address: (None)
MAC:
Name Address
dmz_ip 172.17.100.254
dnsserver1_ip 202.129.64.198
dnsserver2_ip 4.2.2.2
lan_ip 192.168.1.1
wan1_defaultgw_ip 202.129.109.65
wan1_ip 202.129.109.82
wan2_ip 192.168.120.254
Comments
Comments:

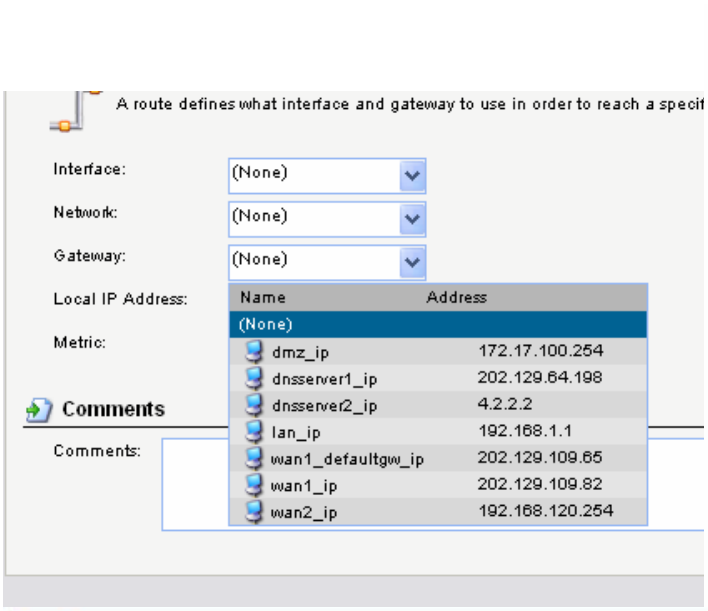

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
Main Routing Table
Policy-based Routing Tables
Policy-based Routing Policy
Dynamic Routing Policy
OSPF Processes
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Routing
Main Routing Table
The main routing table of the system.
Policy-based Routing Tables
Configure the policy-based routing tables of the system.
Policy-based Routing Policy
Configure a policy for what policy-based routing tables are to be used for what network traffic.
Dynamic Routing Policy
Dynamic Routing Policy defines filters to select statically configured routes or OSPF learned routes to be handled by the action rules.
OSPF Processes
Add, remove and configure OSPF Router Processes.
Modify advanced settings

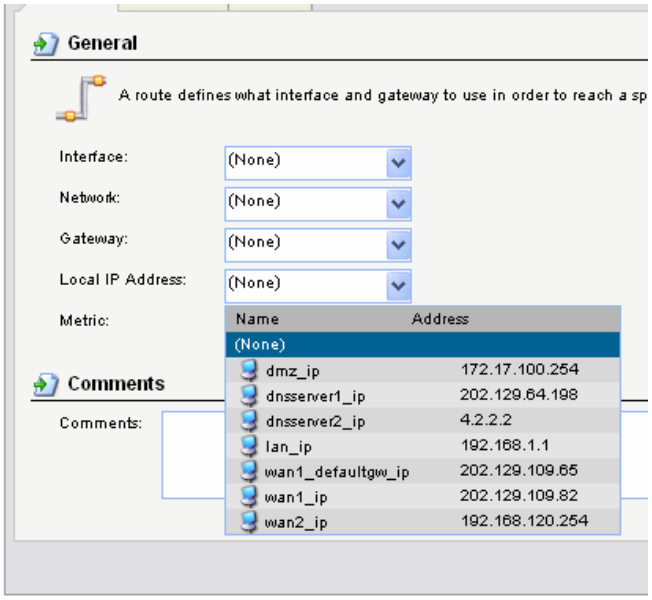

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Rules
Interfaces
Routing
Main Routing Table
Policy-based Routing Tables
Policy-based Routing Policy
Dynamic Routing Policy
OSPF Processes
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Main Routing Table
The main routing table of the system.
Add
Route
Switch Route
Interface
Network
Gateway
LocalIP
Metric
RouteMonitor
Comments
0 Route wan1 wan1net 100 No Direct route for network "wan1net" over interface "wan1".
1 Route wan1 all-nets wan1_defaultgw_ip 100 No Default route over interface "wan1".
2 Route wan2 wan2net 100 No Direct route for network "wan2net" over interface "wan2".
3 Route dmz dmznet 100 No Direct route for network "dmznet" over interface "dmz".
4 Route lan lannet 100 No Direct route for network "lannet" over interface "lan".
Right-click on a row for further options.


Route
General
Proxy ARP
Monitor
General
A route defines what interface and gateway to use in order to reach a specified network.
Interface:
(None)
Network:
(None)
Gateway:
(None)
Local IP Address:
(None)
Metric:
0
Comments
Comments:
OK
Cancel


Route
General
Proxy ARP
Monitor
General
A route defines what interface and gateway to use in order to reach a speci
Interface:
(None)
Network:
Gateway:
Local IP Address:
Metric:
Name
Comments
Untitled
Untitled
Untitled
Untitled
Untitled
any
core
dmz
lan
wan1
wan2
Comments
Comments:

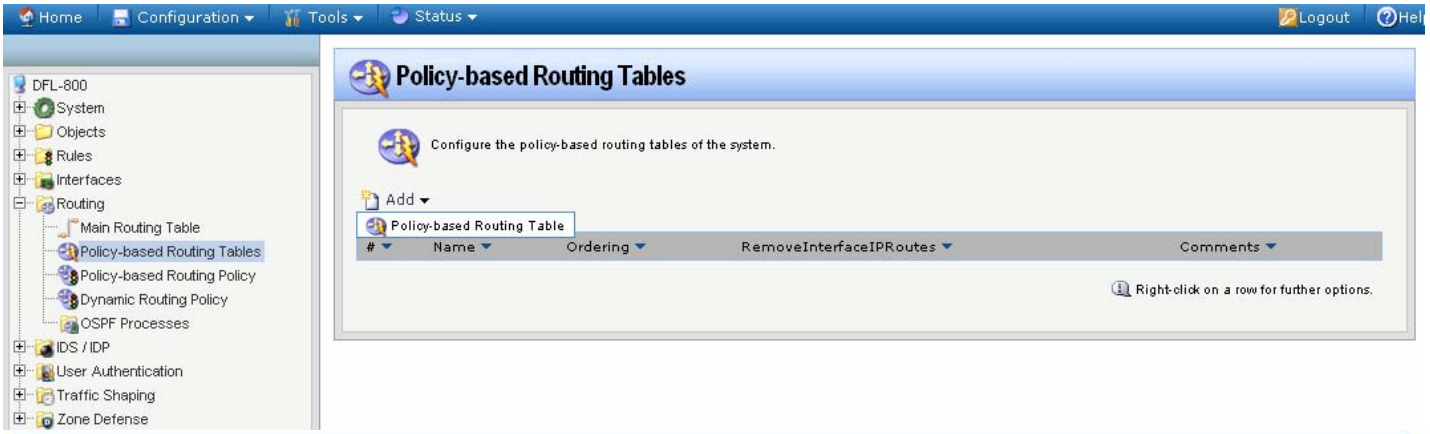
General
Proxy ARP
Monitor
General
A route defines what interface and gateway to use in order to reach a sp
Interface:
(None)
Network:
(None)
Gateway:
Local IP Address:
Metric:
Name
Address
all-nets
0.0.0.0/0
dmz_ip
172.17.100.254
dmznet
172.17.100.0/24
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
lannet
192.168.1.0/24
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan1net
202.129.109.0/27
wan2_ip
192.168.120.254
wan2net
192.168.120.0/24
Comments
Comments:


A route defines what interface and gateway to use in order to reach a specif
Interface:
(None)
Network:
(None)
Gateway:
(None)
Local IP Address:
Metric:
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254
Comments
Comments:


General
A route defines what interface and gateway to use in order to reach a sp
Interface:
(None)
Network:
(None)
Gateway:
(None)
Local IP Address:
(None)
Metric:
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254
Comments
Comments:

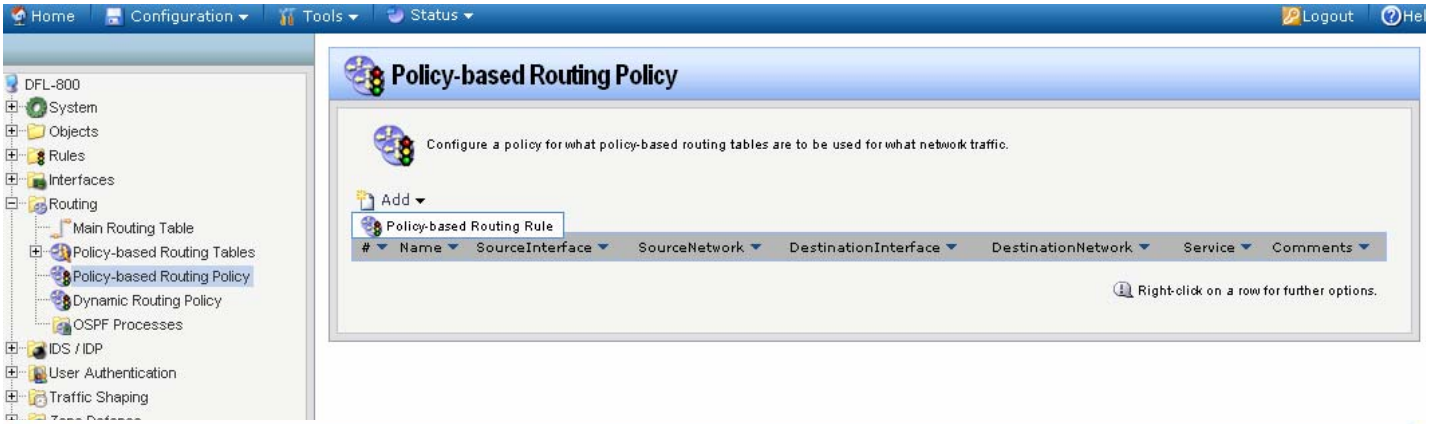

Route
General
Proxy ARP
Monitor
Proxy ARP
Interface to ARP publish the added route on.
Available
Selected
wan1
wan2
dmz
lan
Untitled
Untitled
>>
<<
Always select ALL interfaces, including new ones.
OK
Cancel

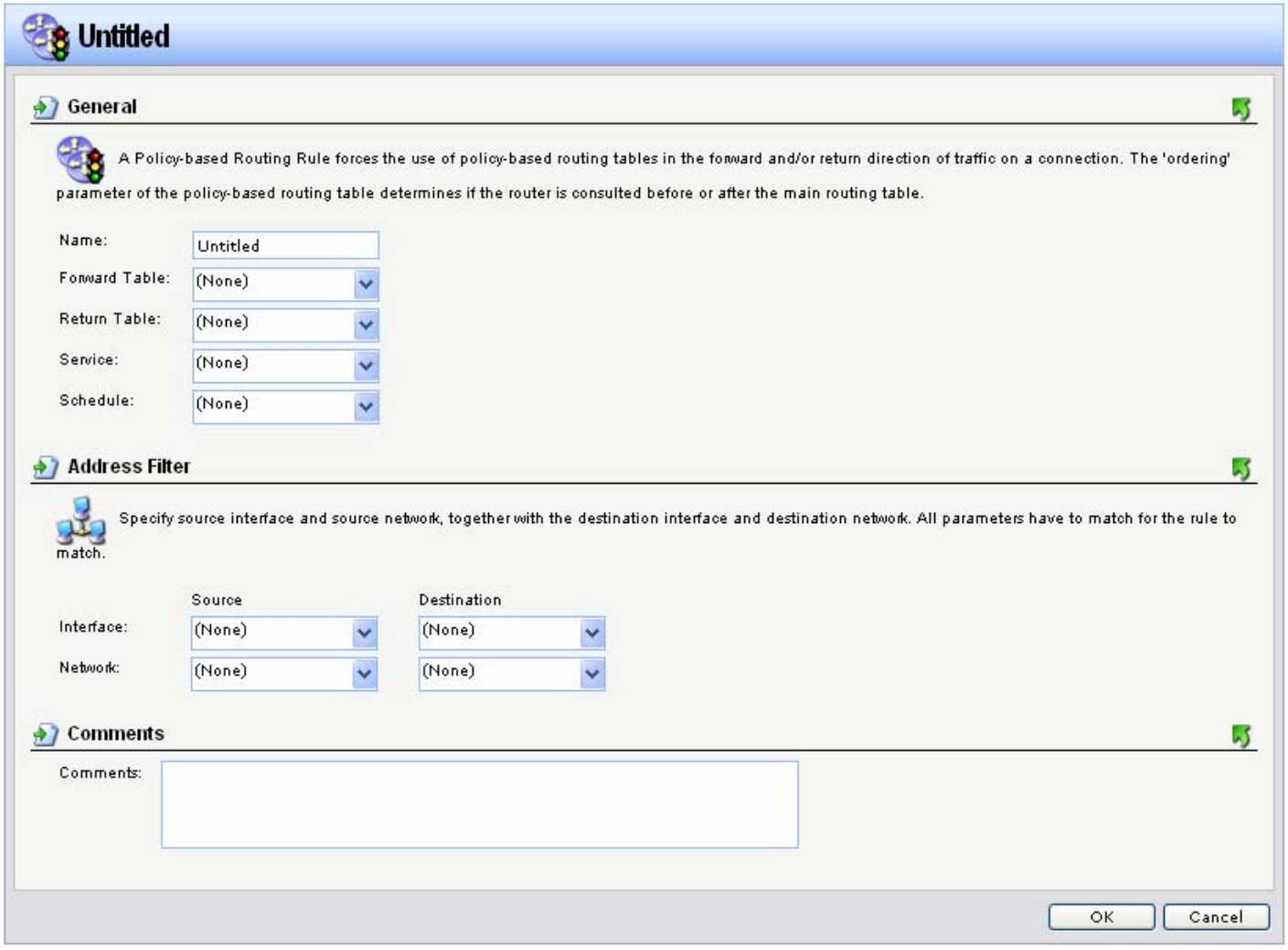

Route
General
Proxy ARP
Monitor
Monitoring for Route Failover
The health of a route may be monitored for route failover purposes.
Monitor This Route
Method
Monitor Interface Link Status
Monitor Gateway Using ARP Lookup
Manual ARP Lookup Interval:
1000
milliseconds
OK
Cancel

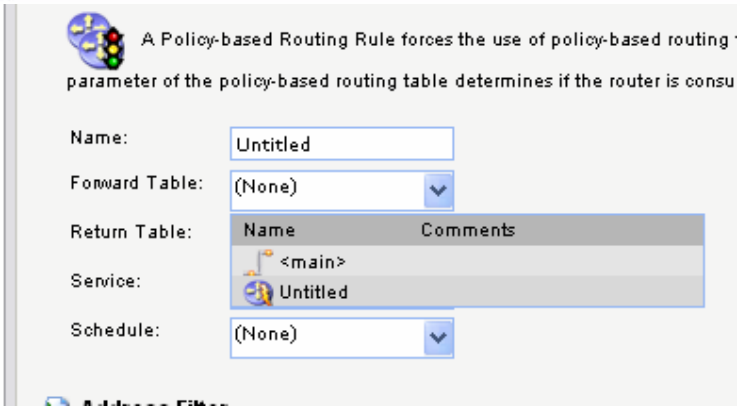

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
Main Routing Table
Policy-based Routing Tables
Policy-based Routing Policy
Dynamic Routing Policy
OSPF Processes
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Policy-based Routing Tables
Configure the policy-based routing tables of the system.
Add
Policy-based Routing Table
Name Ordering RemoveInterfaceIPRoutes Comments
Right-click on a row for further options.

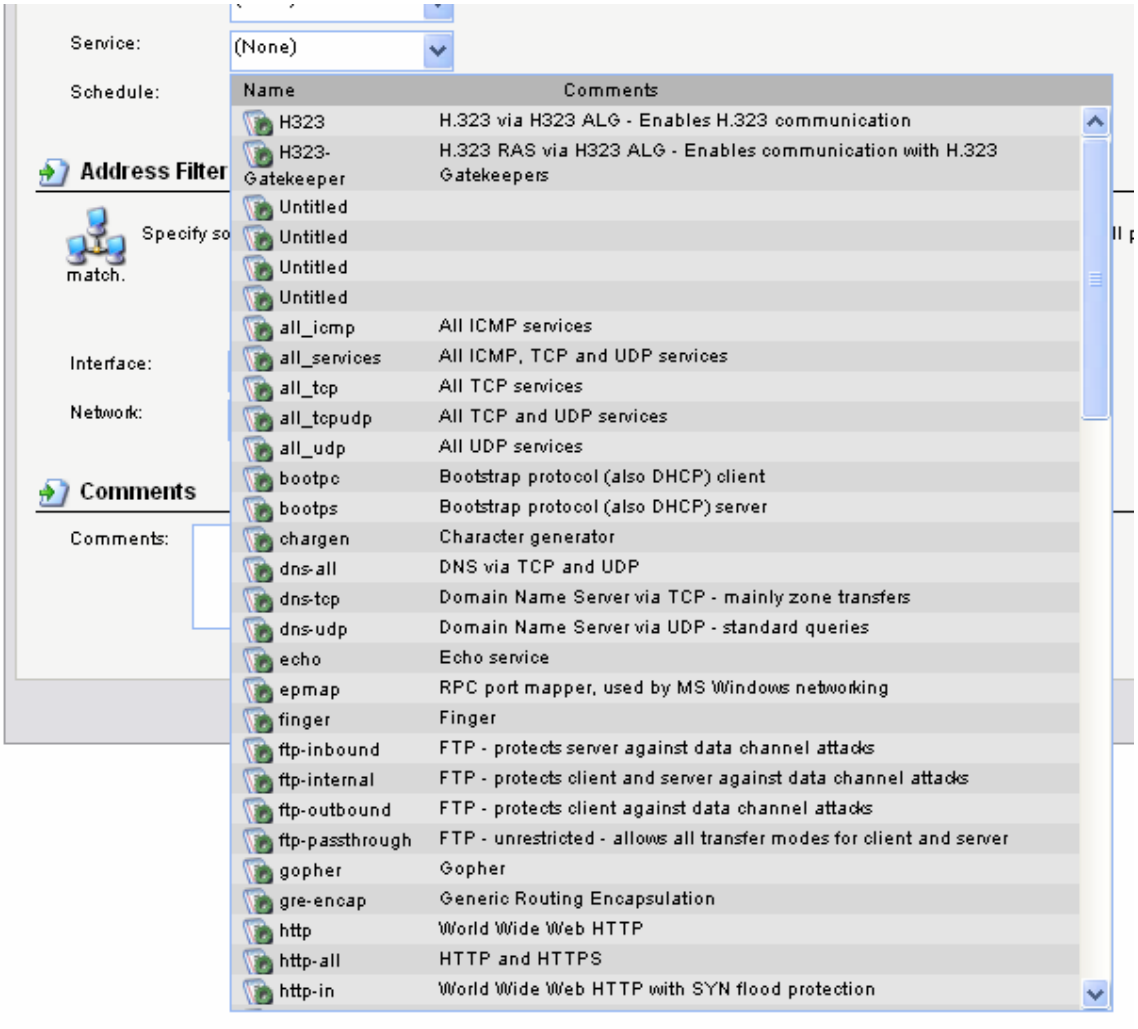

Untitled
General
A policy-based routing table is used to define an alternate routing table.
Name:
Untitled
Ordering:
Only
Remove Interface IP Routes
(make firewall totally transparent)
Comments
Comments:
OK
Cancel

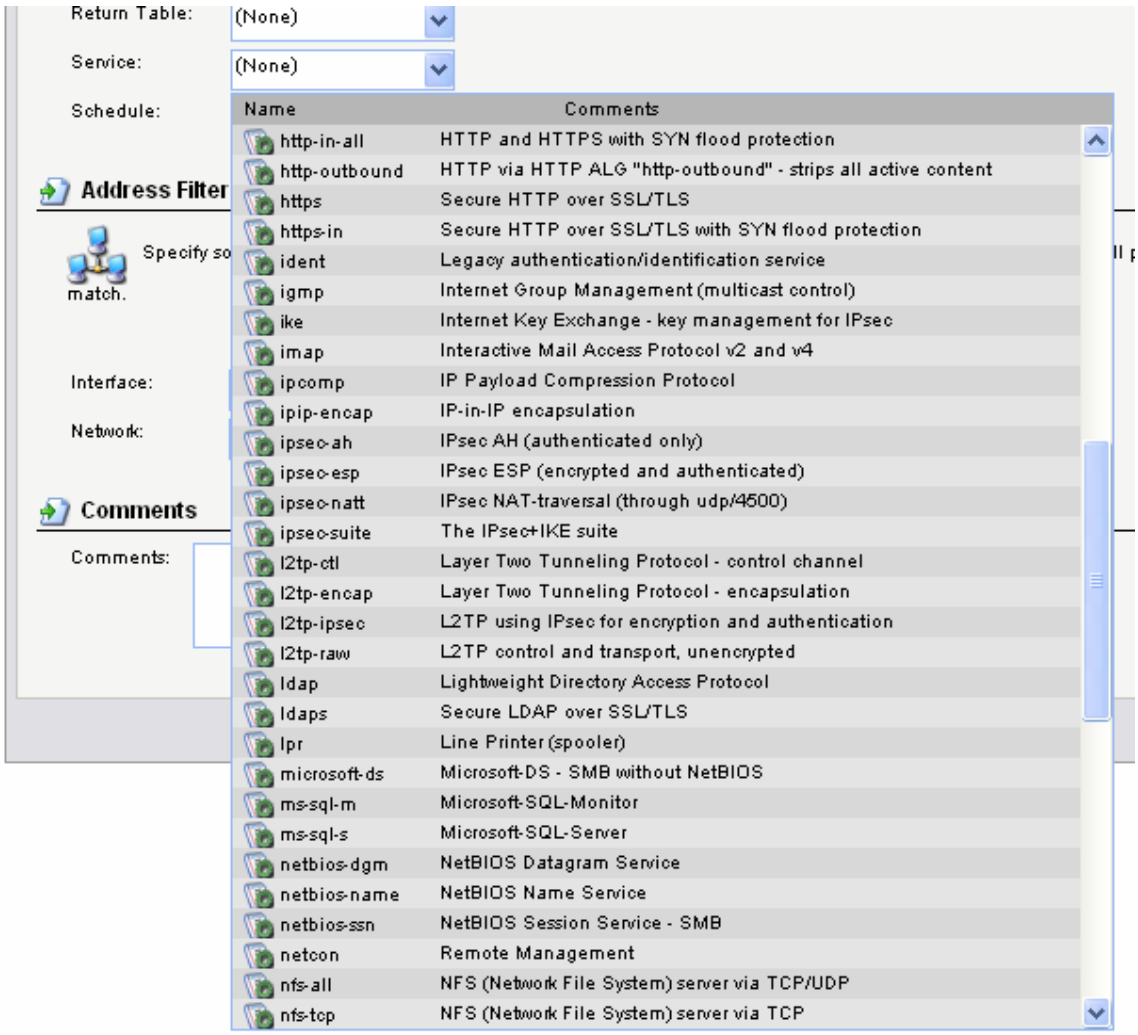

Untitled
General
A policy-based routing table is used to define an alternate rou
Name:
Untitled
Ordering:
Only
Default
First
Only
Comments
Comments:

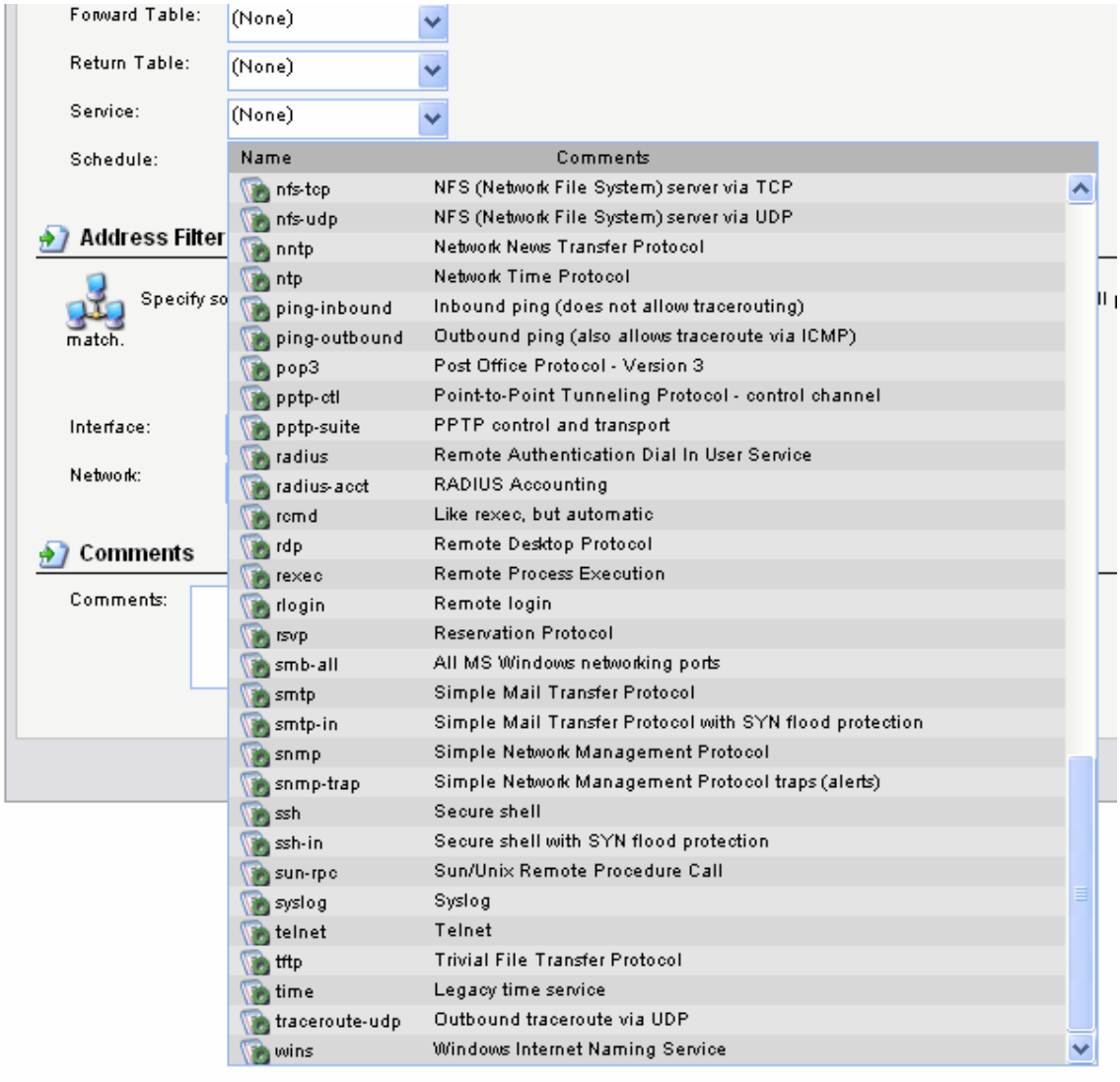

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Rules
Interfaces
Routing
Main Routing Table
Policy-based Routing Tables
Policy-based Routing Policy
Dynamic Routing Policy
OSPF Processes
IDS / IDP
User Authentication
Traffic Shaping
Policy-based Routing Policy
Configure a policy for what policy-based routing tables are to be used for what network traffic.
Add
Policy-based Routing Rule
Name SourceInterface SourceNetwork DestinationInterface DestinationNetwork Service Comments
Right-click on a row for further options.

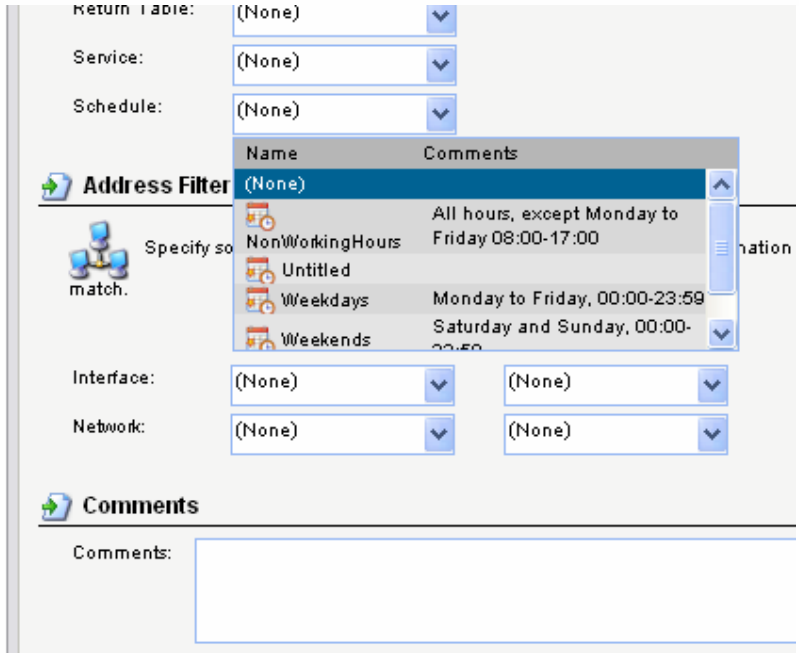

Untitled
General
A Policy-based Routing Rule forces the use of policy-based routing tables in the forward and/or return direction of traffic on a connection. The 'ordering' parameter of the policy-based routing table determines if the router is consulted before or after the main routing table.
Name: Untitled
Forward Table: (None)
Return Table: (None)
Service: (None)
Schedule: (None)
Address Filter
Specify source interface and source network, together with the destination interface and destination network. All parameters have to match for the rule to match.
Source
Destination
Interface: (None) (None)
Network: (None) (None)
Comments
Comments:
OK
Cancel

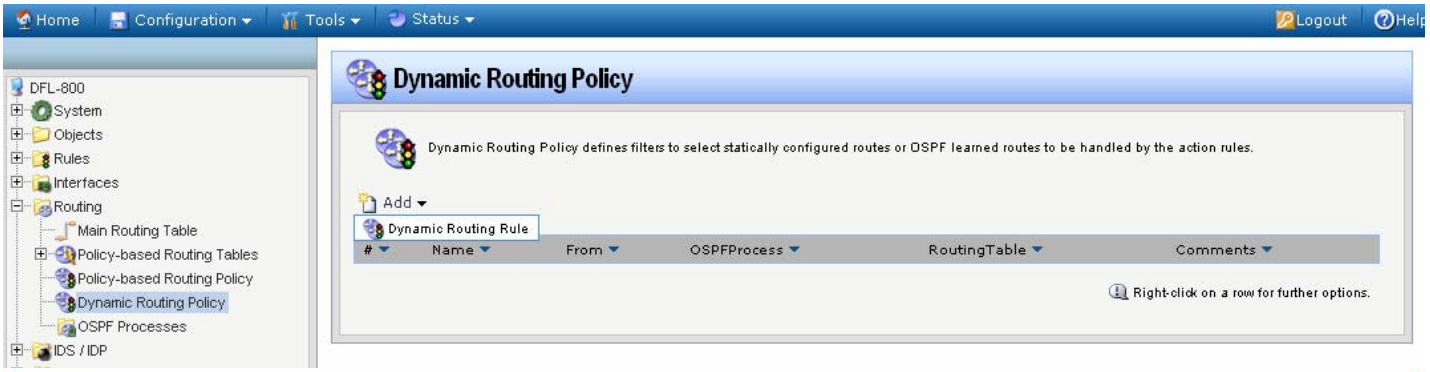

A Policy-based Routing Rule forces the use of policy-based routing
parameter of the policy-based routing table determines if the router is consu
Name: Untitled
Forward Table: (None)
Return Table:
Name Comments
<main>
Service:
Untitled
Schedule: (None)

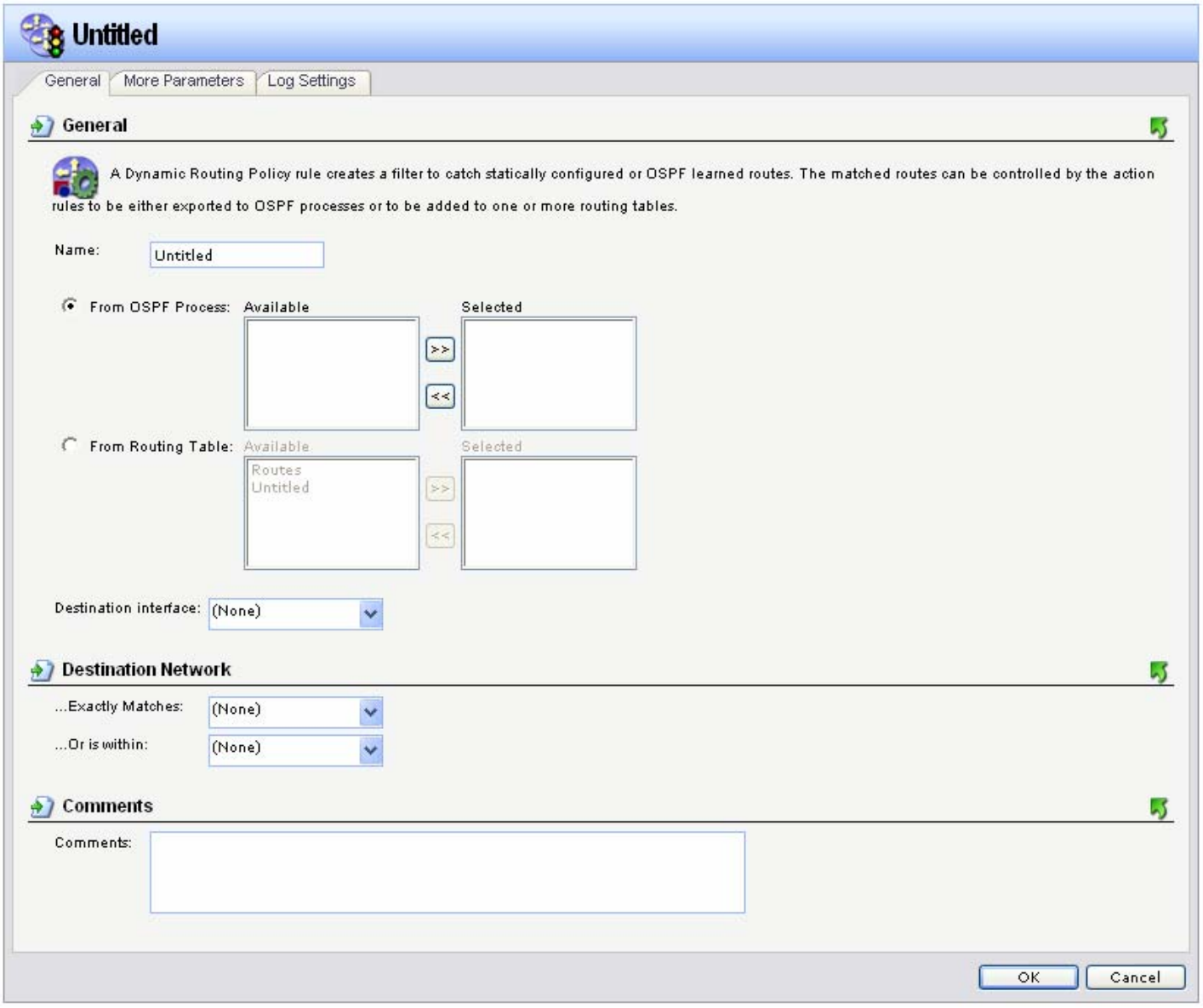

Service:
(None)
Schedule:
Address Filter
Specify so
match.
Interface:
Network:
Comments
Comments:
Name
Comments
H323
H.323 via H323 ALG - Enables H.323 communication
H323-Gatekeeper
H.323 RAS via H323 ALG - Enables communication with H.323 Gatekeepers
Untitled
Untitled
Untitled
Untitled
all_icmp
All ICMP services
all_services
All ICMP, TCP and UDP services
all_tcp
All TCP services
all_tcpudp
All TCP and UDP services
all_udp
All UDP services
bootpc
Bootstrap protocol (also DHCP) client
bootps
Bootstrap protocol (also DHCP) server
chargen
Character generator
dns-all
DNS via TCP and UDP
dns-tcp
Domain Name Server via TCP - mainly zone transfers
dns-udp
Domain Name Server via UDP - standard queries
echo
Echo service
epmap
RPC port mapper, used by MS Windows networking
finger
Finger
ftp-inbound
FTP - protects server against data channel attacks
ftp-internal
FTP - protects client and server against data channel attacks
ftp-outbound
FTP - protects client against data channel attacks
ftp-passthrough
FTP - unrestricted - allows all transfer modes for client and server
gopher
Gopher
gre-encap
Generic Routing Encapsulation
http
World Wide Web HTTP
http-all
HTTP and HTTPS
http-in
World Wide Web HTTP with SYN flood protection

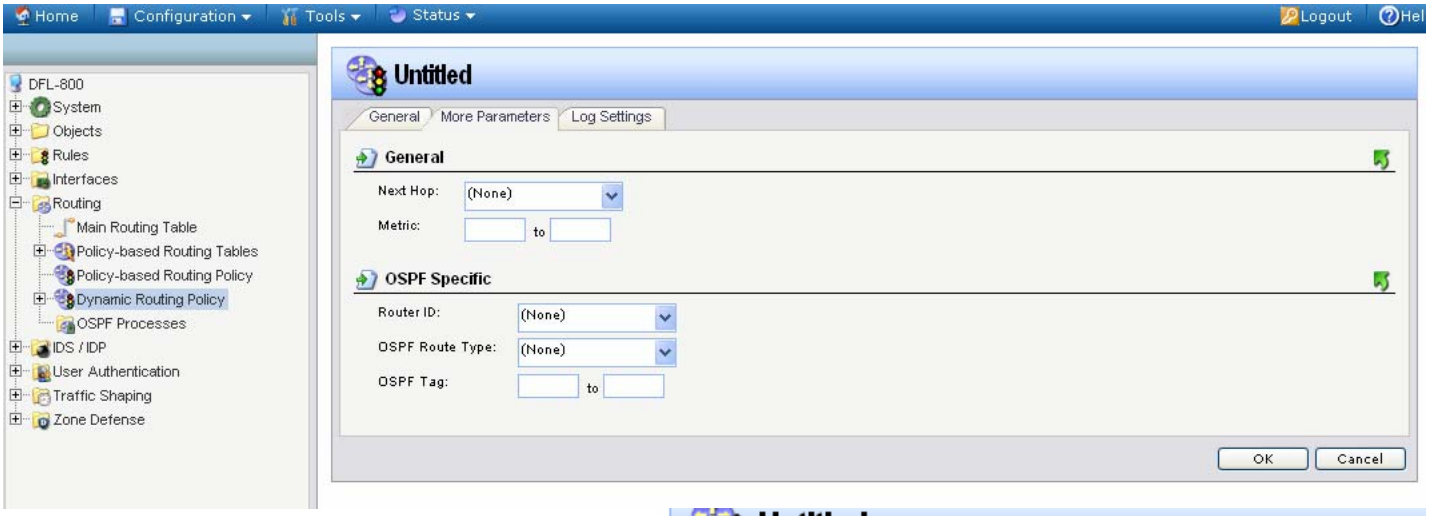

Return Table:
(None)
Service:
(None)
Schedule:
Address Filter
Specify so
match.
Interface:
Network:
Comments
Comments:
Name
Comments
http-in-all
HTTP and HTTPS with SYN flood protection
http-outbound
HTTP via HTTP ALG "http-outbound" - strips all active content
https
Secure HTTP over SSL/TLS
https-in
Secure HTTP over SSL/TLS with SYN flood protection
ident
Legacy authentication/identification service
igmp
Internet Group Management (multicast control)
ike
Internet Key Exchange - key management for IPsec
imap
Interactive Mail Access Protocol v2 and v4
ipcomp
IP Payload Compression Protocol
ipip-encap
IP-in-IP encapsulation
ipsec-ah
IPsec AH (authenticated only)
ipsec-esp
IPsec ESP (encrypted and authenticated)
ipsec-natt
IPsec NAT-traversal (through udp/4500)
ipsec-suite
The IPsec+IKE suite
l2tp-ctl
Layer Two Tunneling Protocol - control channel
l2tp-encap
Layer Two Tunneling Protocol - encapsulation
l2tp-ipsec
L2TP using IPsec for encryption and authentication
l2tp-raw
L2TP control and transport, unencrypted
ldap
Lightweight Directory Access Protocol
ldaps
Secure LDAP over SSL/TLS
lpr
Line Printer (spooler)
microsoft-ds
Microsoft-DS - SMB without NetBIOS
ms-sql-m
Microsoft-SQL-Monitor
ms-sql-s
Microsoft-SQL-Server
netbios-dgm
NetBIOS Datagram Service
netbios-name
NetBIOS Name Service
netbios-ssn
NetBIOS Session Service - SMB
netcon
Remote Management
nfs-all
NFS (Network File System) server via TCP/UDP
nfs-tcp
NFS (Network File System) server via TCP

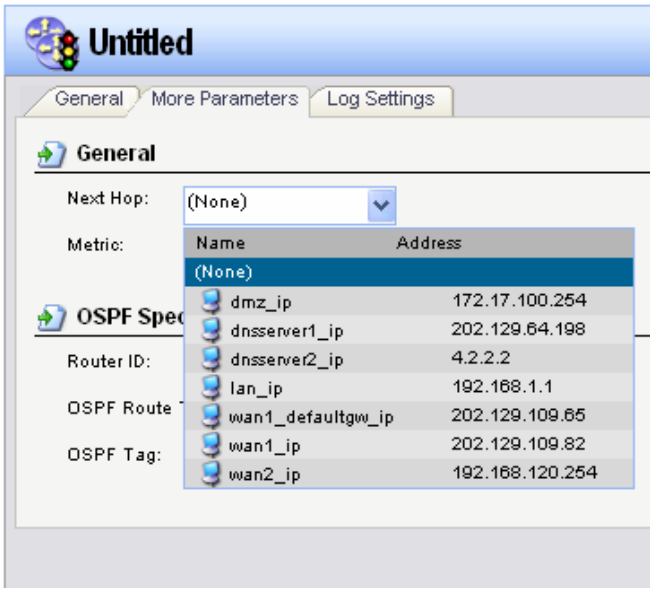

Forward Table:
(None)
Return Table:
(None)
Service:
(None)
Schedule:
Name
Comments
nfs-tcp
NFS (Network File System) server via TCP
nfs-udp
NFS (Network File System) server via UDP
nntp
Network News Transfer Protocol
ntp
Network Time Protocol
ping-inbound
Inbound ping (does not allow tracerouting)
ping-outbound
Outbound ping (also allows traceroute via ICMP)
pop3
Post Office Protocol - Version 3
pptp-ctl
Point-to-Point Tunneling Protocol - control channel
pptp-suite
PPTP control and transport
radius
Remote Authentication Dial In User Service
radius-acct
RADIUS Accounting
rcmd
Like rexec, but automatic
rdp
Remote Desktop Protocol
rexec
Remote Process Execution
rlogin
Remote login
rsvp
Reservation Protocol
smb-all
All MS Windows networking ports
smtp
Simple Mail Transfer Protocol
smtp-in
Simple Mail Transfer Protocol with SYN flood protection
snmp
Simple Network Management Protocol
snmp-trap
Simple Network Management Protocol traps (alerts)
ssh
Secure shell
ssh-in
Secure shell with SYN flood protection
sun-rpc
Sun/Unix Remote Procedure Call
syslog
Syslog
telnet
Telnet
tftp
Trivial File Transfer Protocol
time
Legacy time service
traceroute-udp
Outbound traceroute via UDP
wins
Windows Internet Naming Service
Address Filter
Specify so
match.
Interface:
Network:
Comments
Comments:

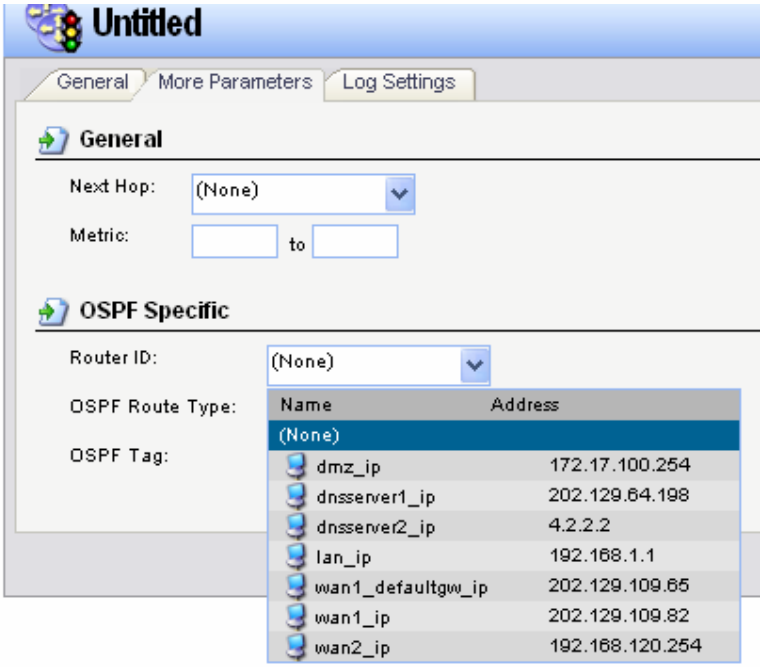

Return Table:
(None)
Service:
(None)
Schedule:
(None)
Name
Comments
(None)
NonWorkingHours
All hours, except Monday to Friday 08:00-17:00
Untitled
Weekdays
Monday to Friday, 00:00-23:59
Weekends
Saturday and Sunday, 00:00-
Address Filter
Specify so
match.
Interface:
(None)
(None)
Network:
(None)
(None)
Comments
Comments:

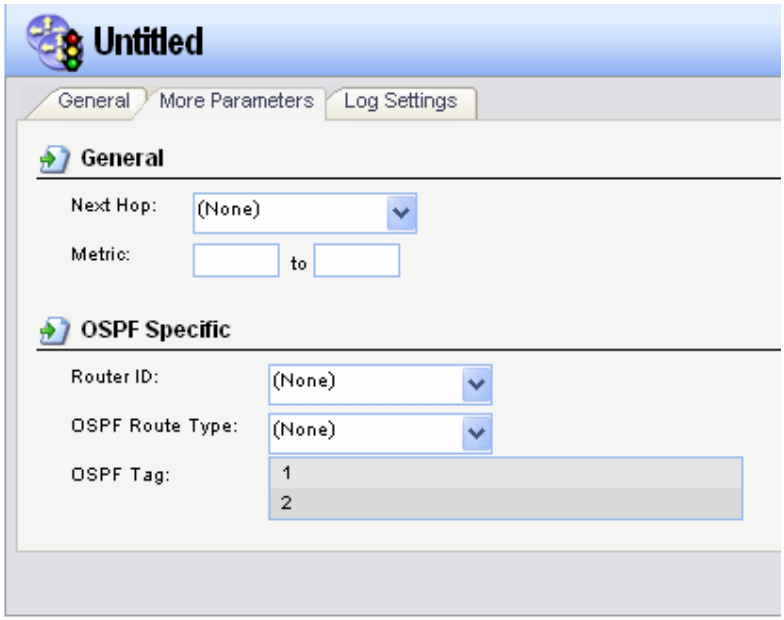

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
Main Routing Table
Policy-based Routing Tables
Policy-based Routing Policy
Dynamic Routing Policy
OSPF Processes
IDS / IDP
Dynamic Routing Policy
Dynamic Routing Policy defines filters to select statically configured routes or OSPF learned routes to be handled by the action rules.
Add
Dynamic Routing Rule
Name From OSPFProcess RoutingTable Comments
Right-click on a row for further options.

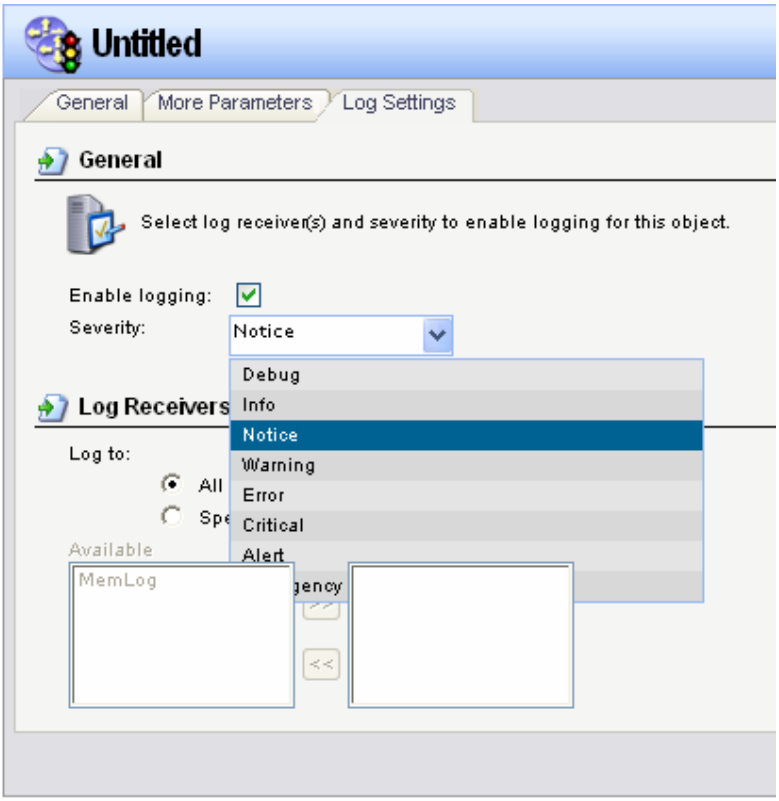

Untitled
General
More Parameters
Log Settings
General
A Dynamic Routing Policy rule creates a filter to catch statically configured or OSPF learned routes. The matched routes can be controlled by the action rules to be either exported to OSPF processes or to be added to one or more routing tables.
Name:
Untitled
From OSPF Process:
Available
Selected
From Routing Table:
Available
Selected
Routes
Untitled
Destination interface:
(None)
Destination Network
...Exactly Matches:
(None)
...Or is within:
(None)
Comments
Comments:
OK
Cancel


Home
Configuration
Tools
Status
Logout
Hel
DFL-800
System
Objects
Rules
Interfaces
Routing
Main Routing Table
Policy-based Routing Tables
Policy-based Routing Policy
Dynamic Routing Policy
OSPF Processes
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Untitled
General
More Parameters
Log Settings
General
Next Hop:
(None)
Metric:
to
OSPF Specific
Router ID:
(None)
OSPF Route Type:
(None)
OSPF Tag:
to
OK
Cancel

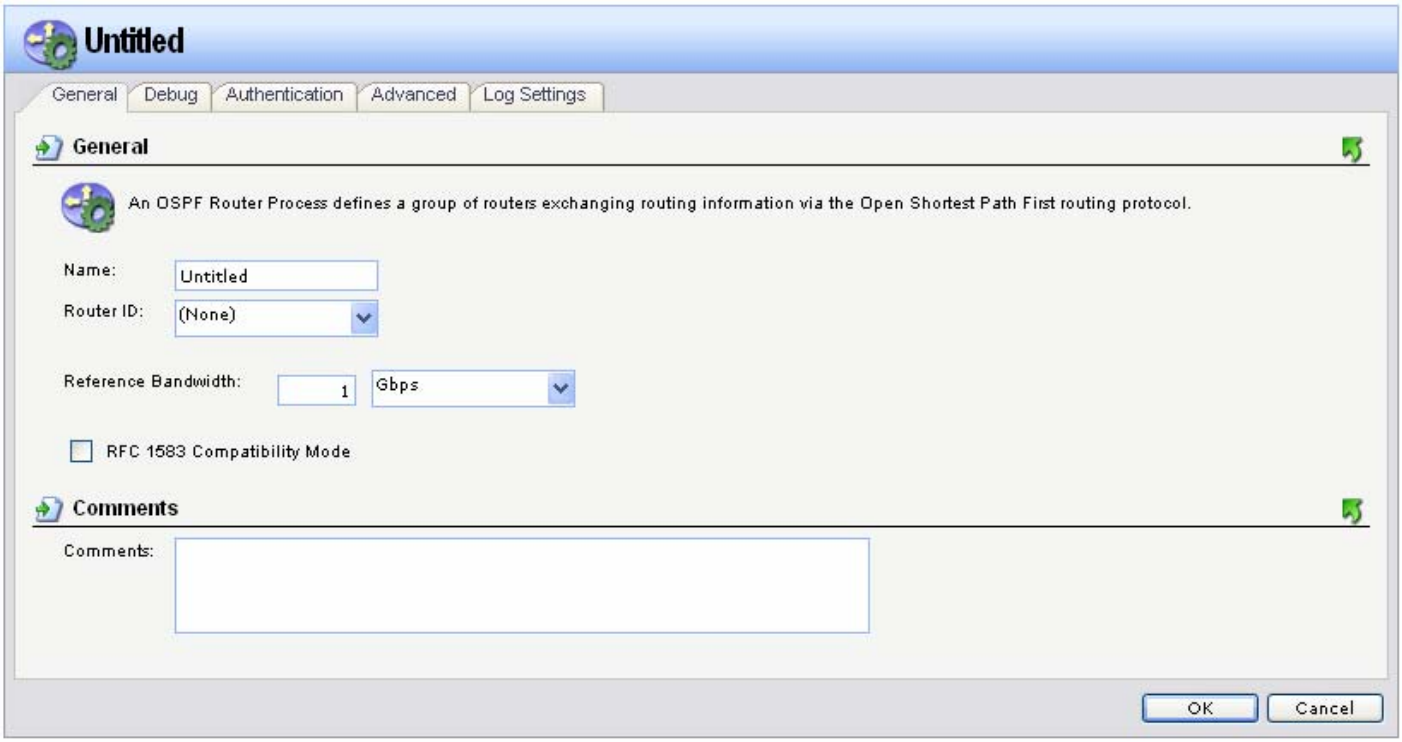

Untitled
General
More Parameters
Log Settings
General
Next Hop:
(None)
Metric:
OSPF Spec
Router ID:
OSPF Route
OSPF Tag:
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254

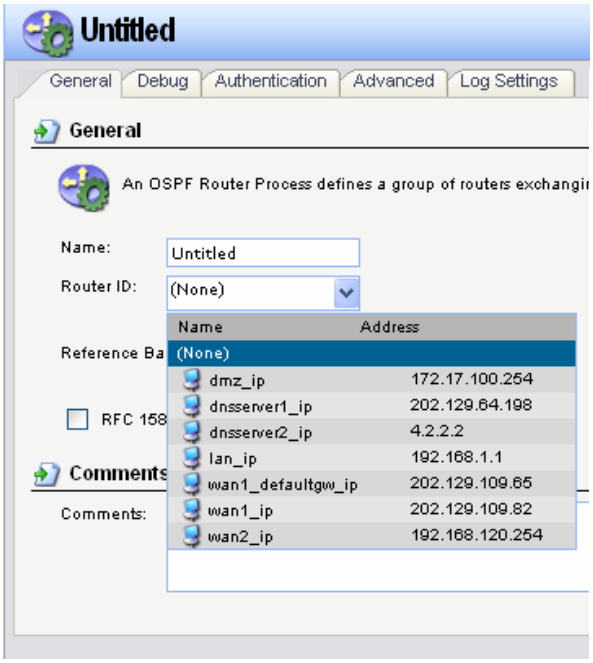

Untitled
General
More Parameters
Log Settings
General
Next Hop:
(None)
Metric:
to
OSPF Specific
Router ID:
(None)
OSPF Route Type:
OSPF Tag:
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254

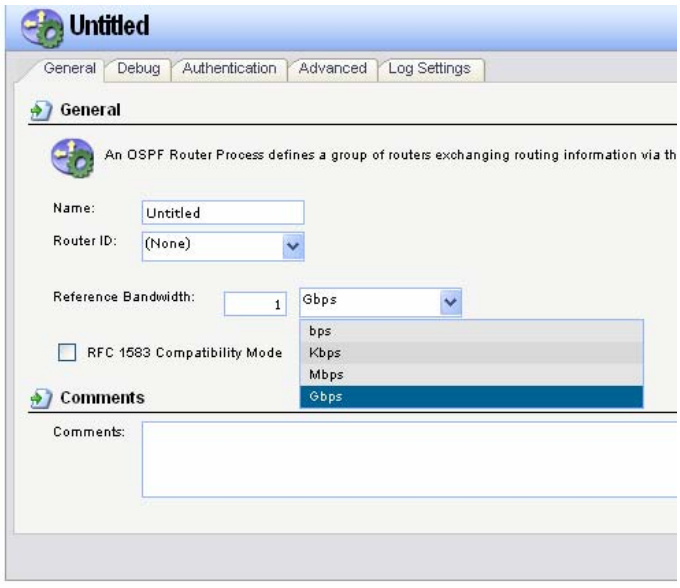

Untitled
General
More Parameters
Log Settings
General
Next Hop:
(None)
Metric:
to
OSPF Specific
Router ID:
(None)
OSPF Route Type:
(None)
OSPF Tag:
1
2

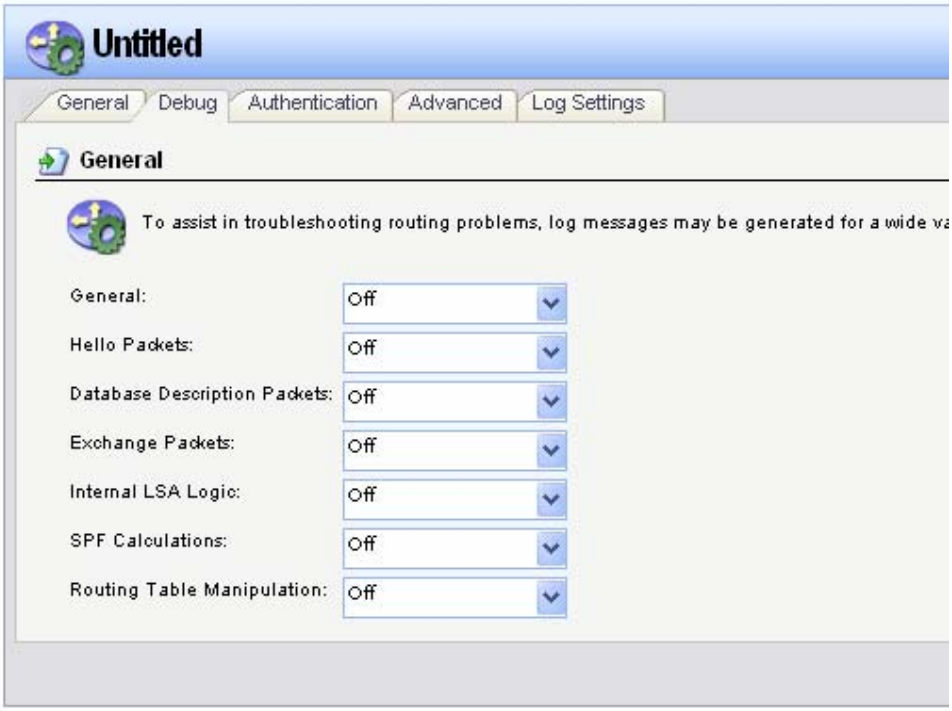

Untitled
General
More Parameters
Log Settings
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Debug
Info
Notice
Warning
Error
Critical
Alert
Log Receivers
Log to:
All
Available
MemLog
>>
<<

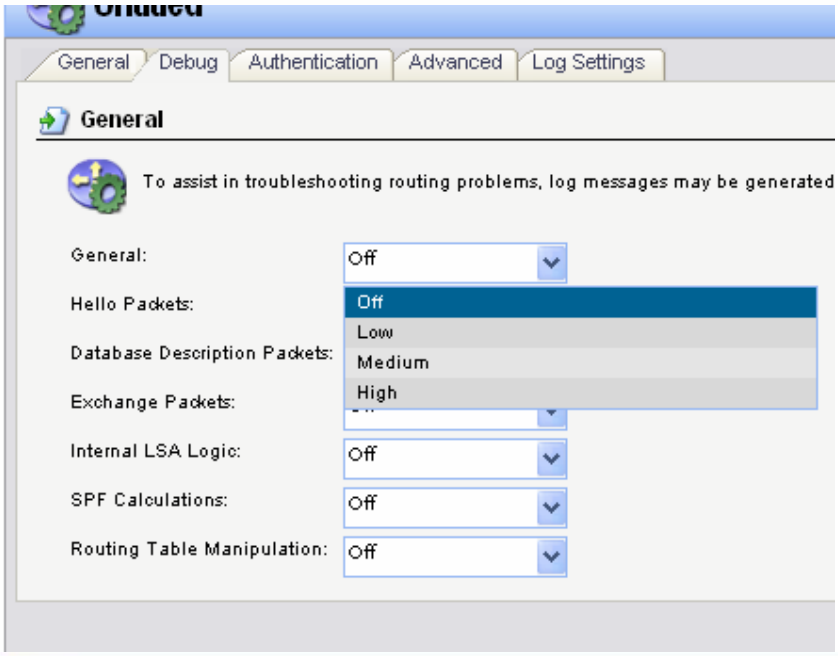

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
Main Routing Table
Policy-based Routing Tables
Policy-based Routing Policy
Dynamic Routing Policy
OSPF Processes
IDS / IDP
User Authentication
OSPF Processes
Add, remove and configure OSPF Router Processes.
Add
OSPF Process
Name RouterID Comments
Right-click on a row for further options.

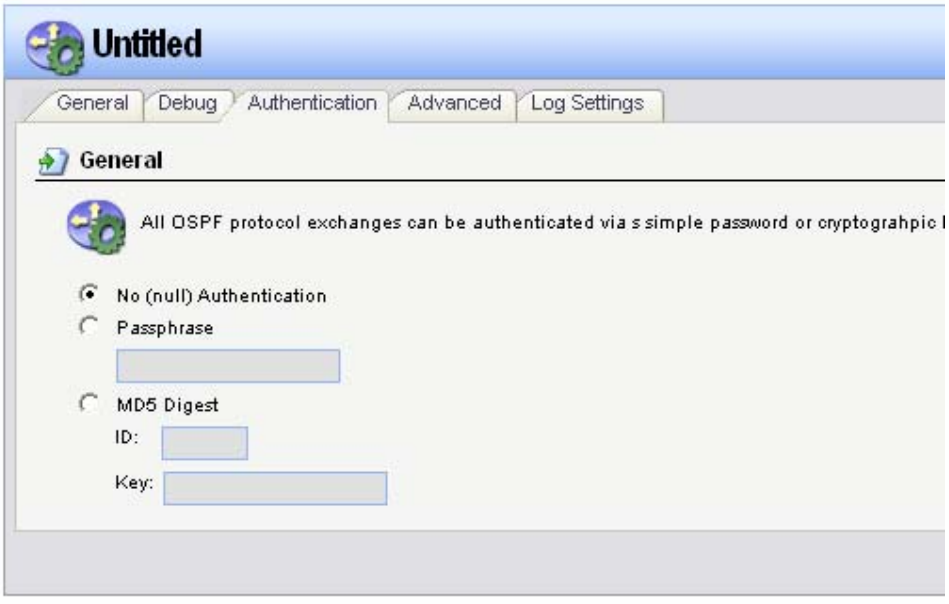

Untitled
General
Debug
Authentication
Advanced
Log Settings
General
An OSPF Router Process defines a group of routers exchanging routing information via the Open Shortest Path First routing protocol.
Name:
Untitled
Router ID:
(None)
Reference Bandwidth:
1
Gbps
RFC 1583 Compatibility Mode
Comments
Comments:
OK
Cancel

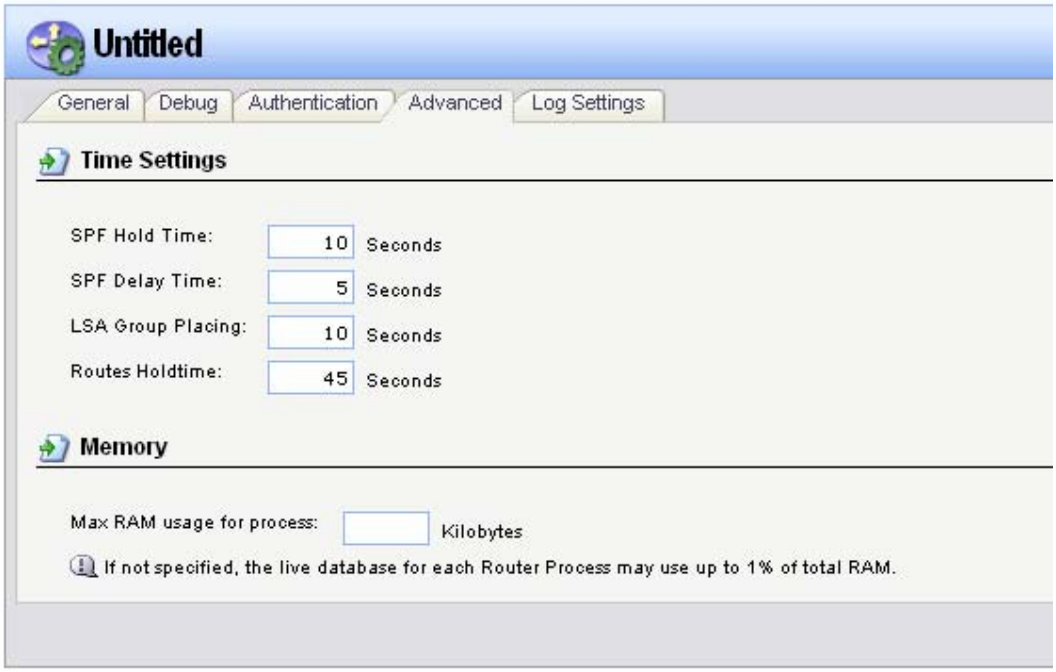

Untitled
General
Debug
Authentication
Advanced
Log Settings
General
An OSPF Router Process defines a group of routers exchangi
Name:
Untitled
Router ID:
(None)
Name
Address
(None)
dmz_ip
172.17.100.254
dnsserver1_ip
202.129.64.198
dnsserver2_ip
4.2.2.2
lan_ip
192.168.1.1
wan1_defaultgw_ip
202.129.109.65
wan1_ip
202.129.109.82
wan2_ip
192.168.120.254
Reference Ba
RFC 158
Comments
Comments:

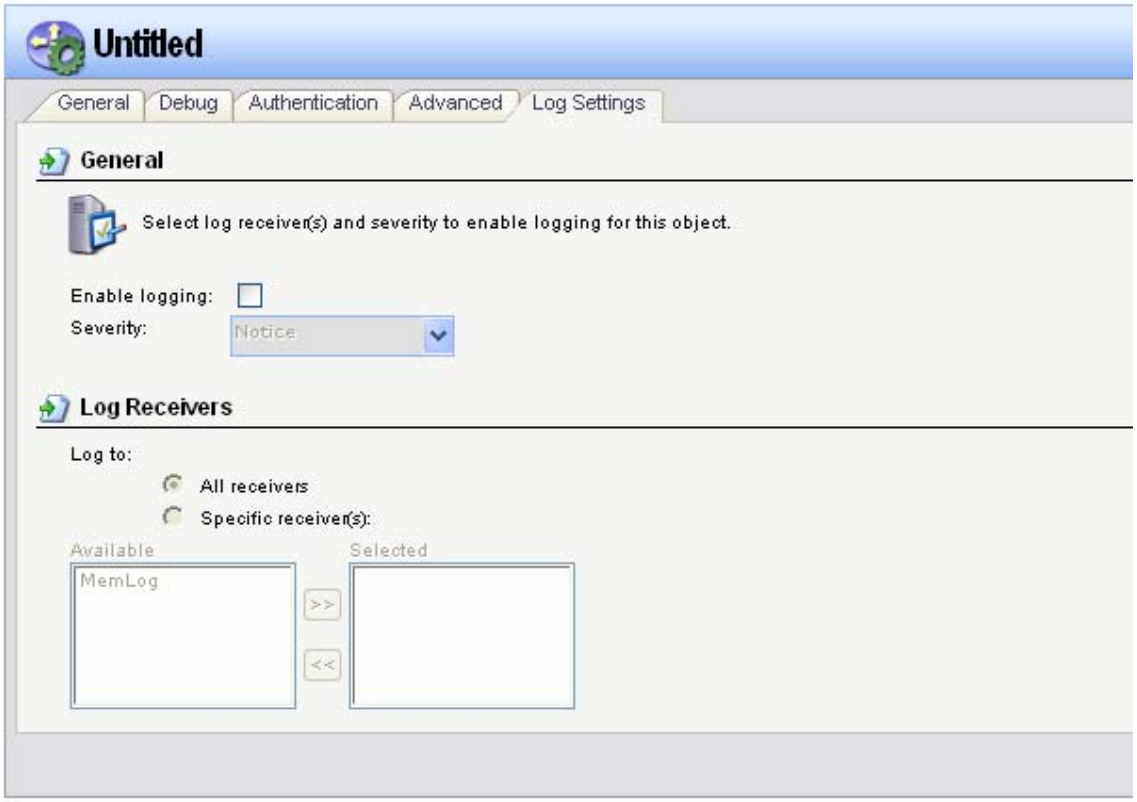

Untitled
General
Debug
Authentication
Advanced
Log Settings
General
An OSPF Router Process defines a group of routers exchanging routing information via th
Name:
Untitled
Router ID:
(None)
Reference Bandwidth:
1
Gbps
bps
Kbps
Mbps
Gbps
RFC 1583 Compatibility Mode
Comments
Comments:

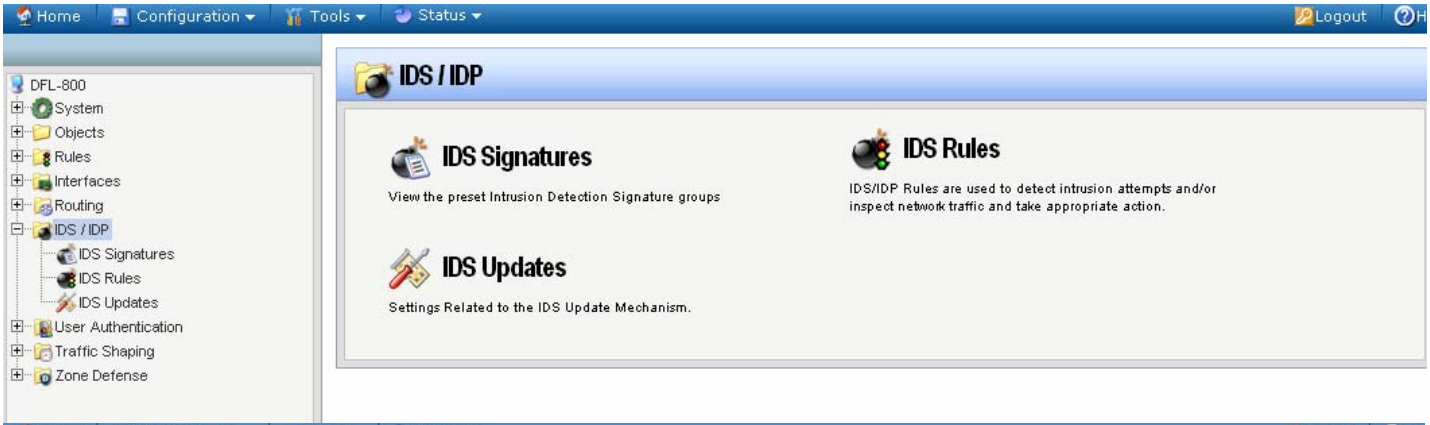

Untitled
General
Debug
Authentication
Advanced
Log Settings
General
To assist in troubleshooting routing problems, log messages may be generated for a wide va
General:
Off
Hello Packets:
Off
Database Description Packets:
Off
Exchange Packets:
Off
Internal LSA Logic:
Off
SPF Calculations:
Off
Routing Table Manipulation:
Off

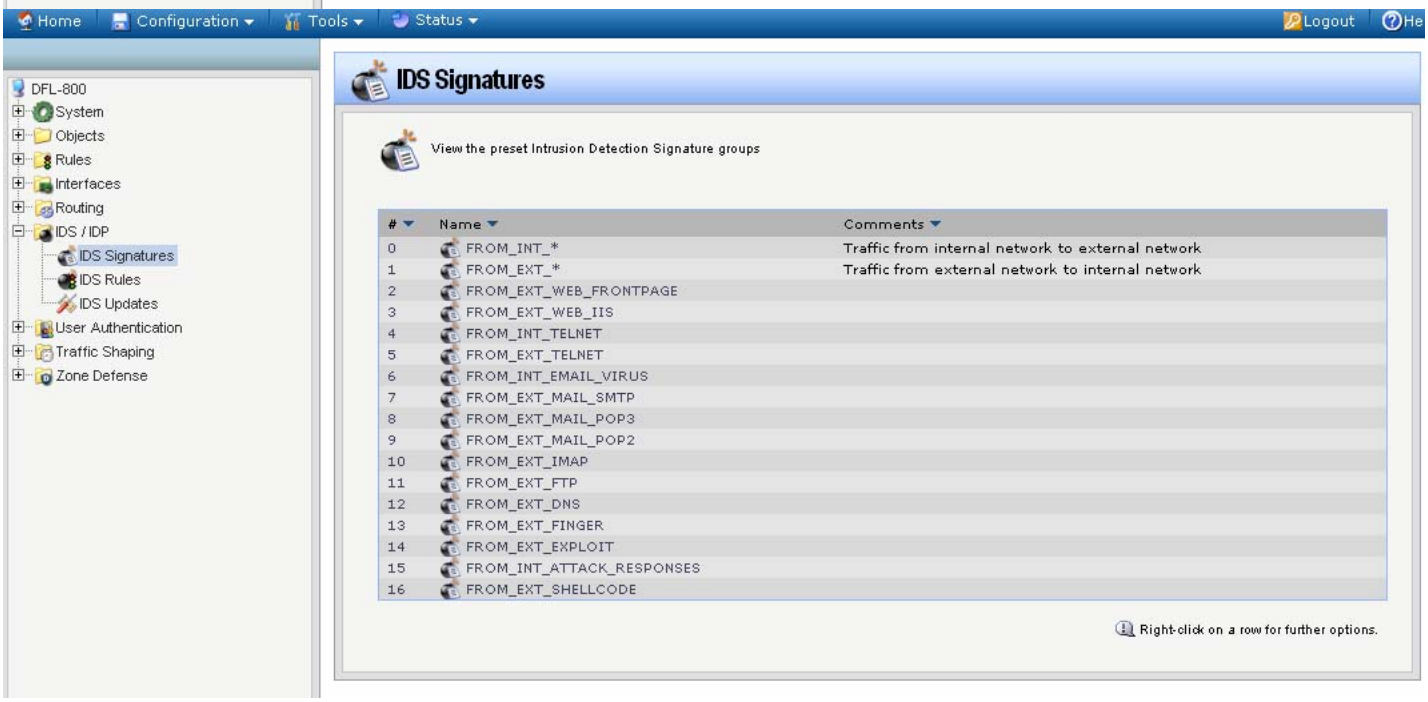

General
Debug
Authentication
Advanced
Log Settings
General
To assist in troubleshooting routing problems, log messages may be generated
General:
Off
Hello Packets:
Off
Low
Medium
High
Database Description Packets:
Exchange Packets:
Internal LSA Logic:
Off
SPF Calculations:
Off
Routing Table Manipulation:
Off

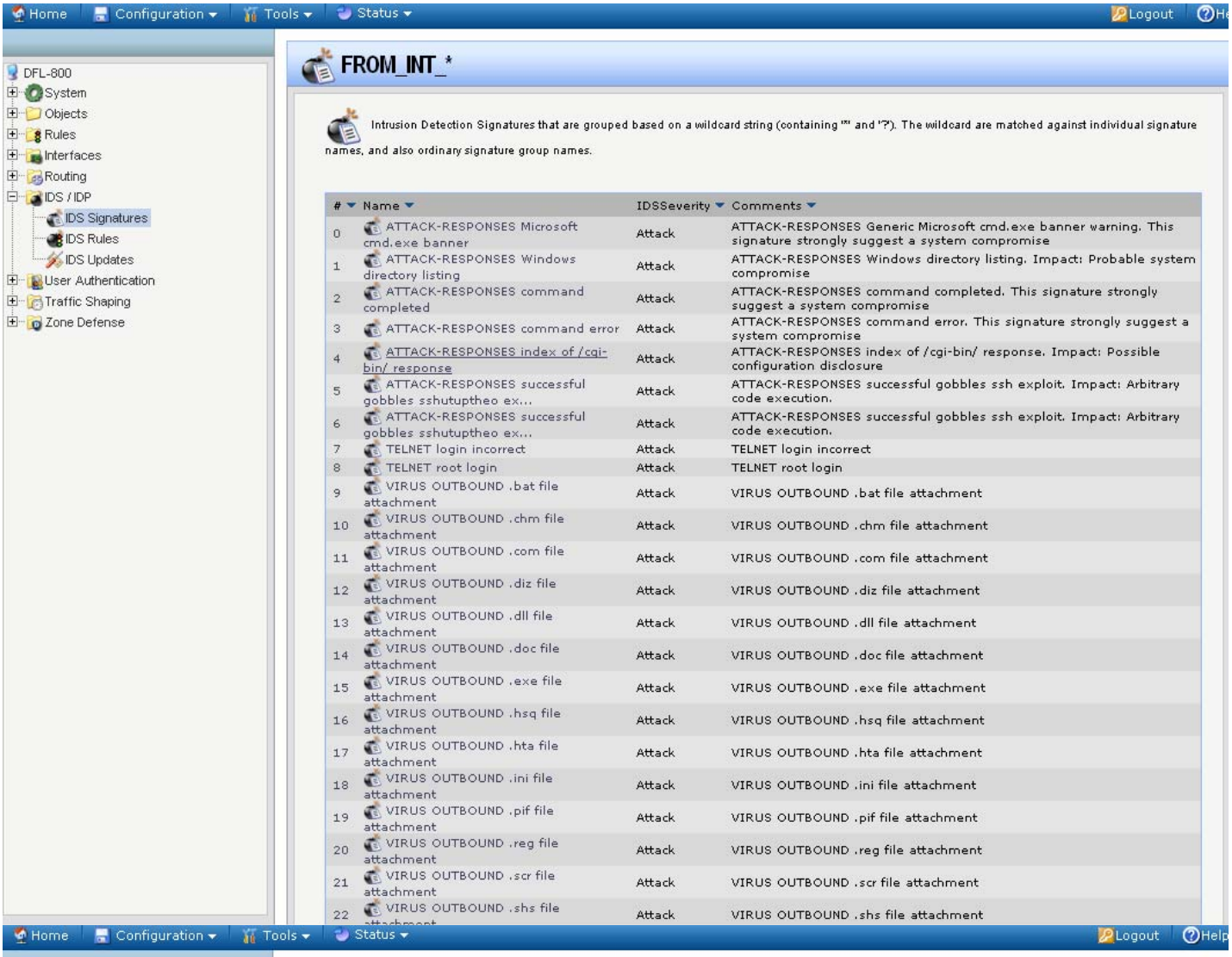

Untitled
General
Debug
Authentication
Advanced
Log Settings
General
All OSPF protocol exchanges can be authenticated via s simple password or cryptograhpic
No (null) Authentication
Passphrase
MD5 Digest
ID:
Key:

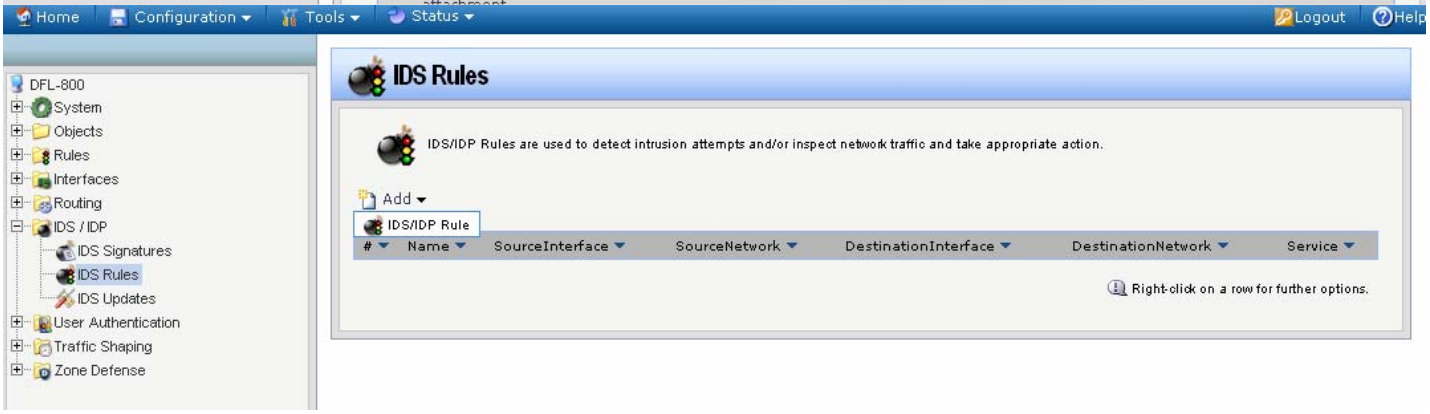

Untitled
General
Debug
Authentication
Advanced
Log Settings
Time Settings
SPF Hold Time:
10
Seconds
SPF Delay Time:
5
Seconds
LSA Group Placing:
10
Seconds
Routes Holdtime:
45
Seconds
Memory
Max RAM usage for process:
Kilobytes
If not specified, the live database for each Router Process may use up to 1% of total RAM.

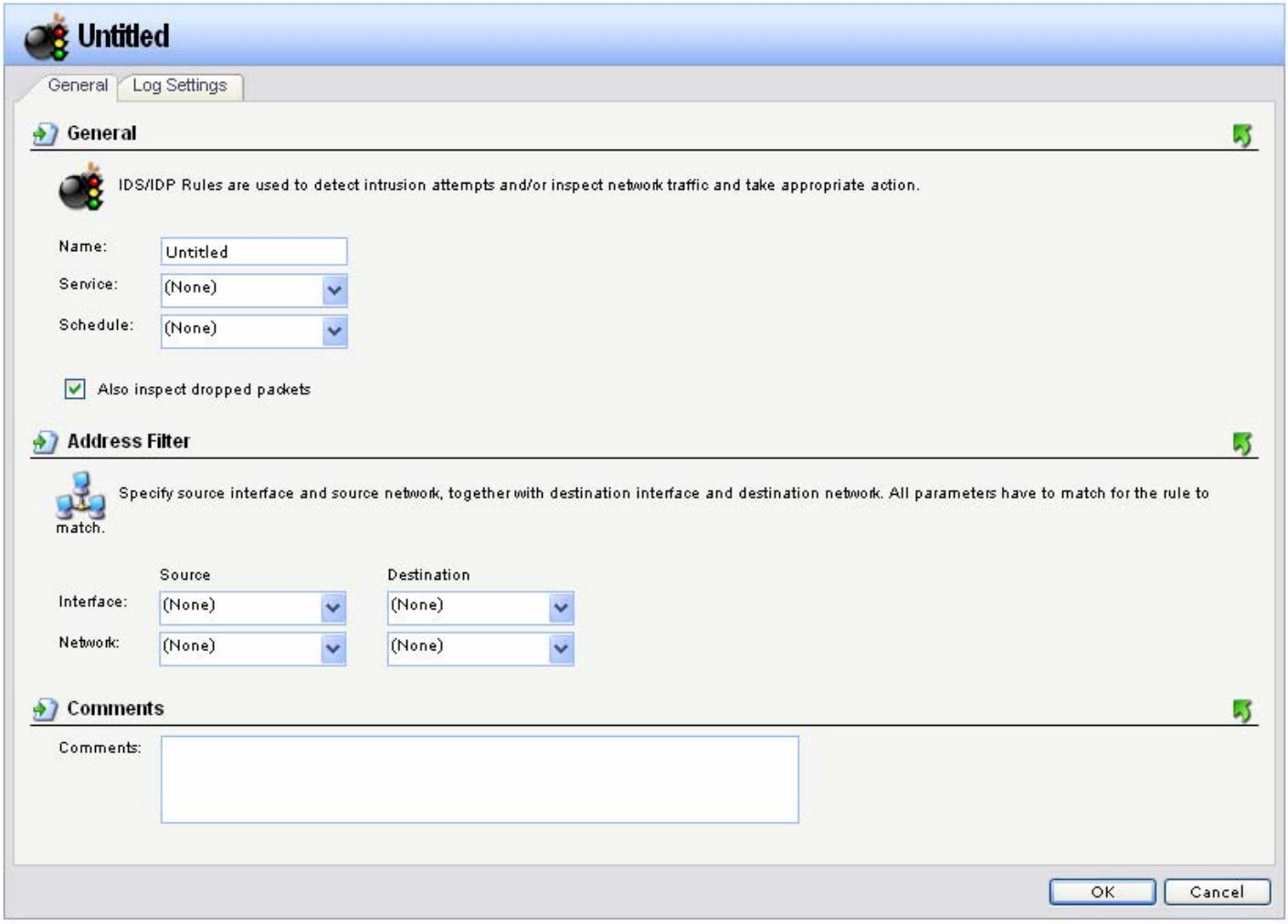

Untitled
General
Debug
Authentication
Advanced
Log Settings
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Log Receivers
Log to:
All receivers
Specific receiver(s):
Available
Selected
MemLog
>>
<<

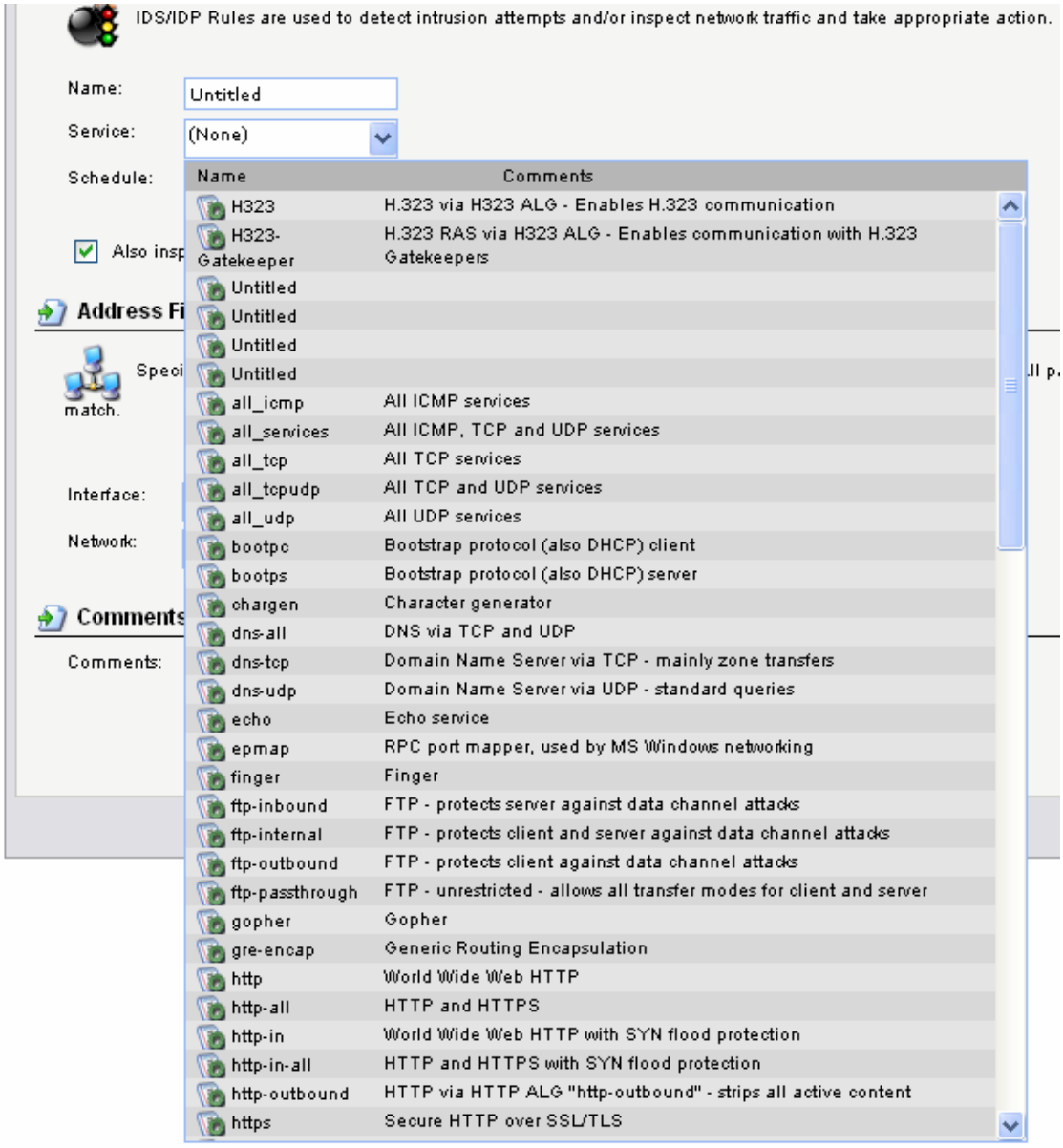

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
IDS Signatures
IDS Rules
IDS Updates
User Authentication
Traffic Shaping
Zone Defense
IDS / IDP
IDS Signatures
View the preset Intrusion Detection Signature groups
IDS Rules
IDS/IDP Rules are used to detect intrusion attempts and/or inspect network traffic and take appropriate action.
IDS Updates
Settings Related to the IDS Update Mechanism.

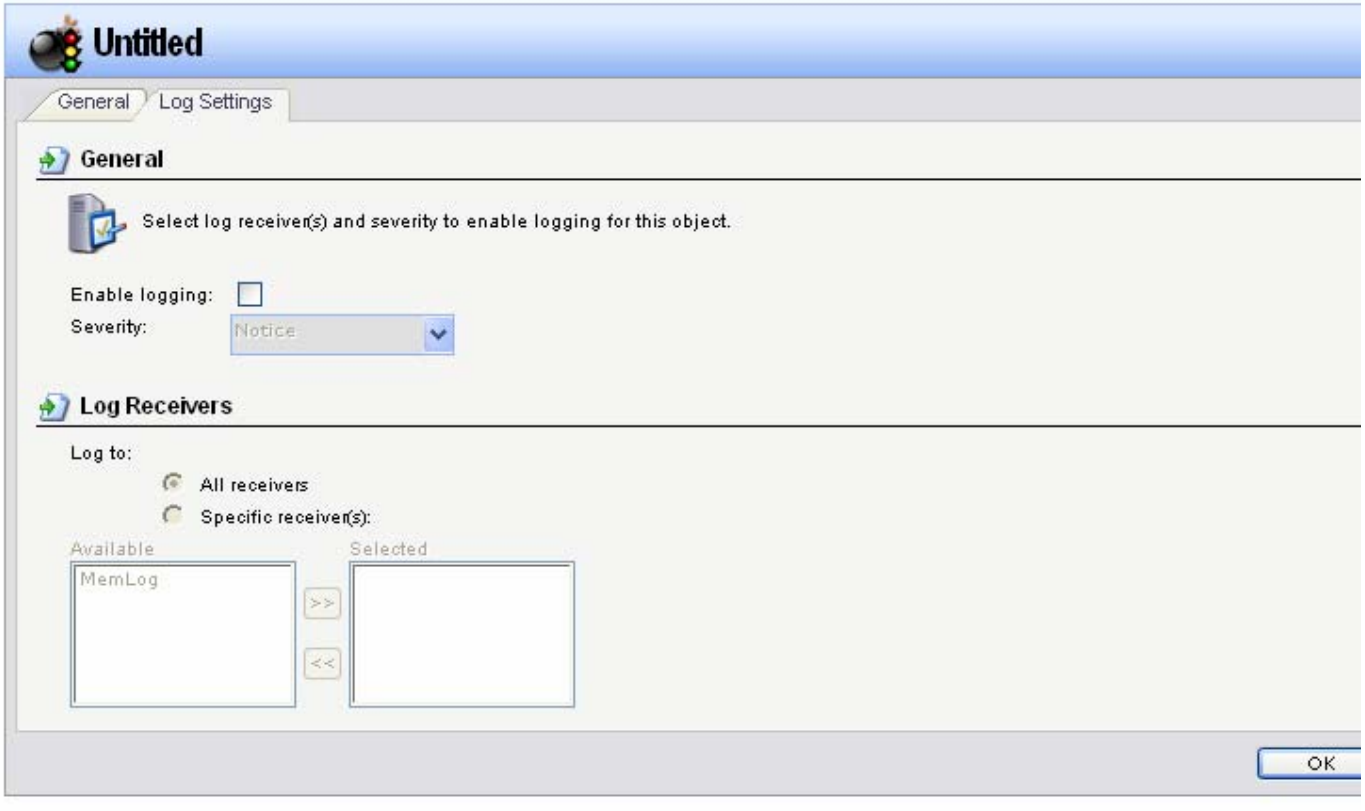

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
IDS Signatures
IDS Rules
IDS Updates
User Authentication
Traffic Shaping
Zone Defense
IDS Signatures
View the preset Intrusion Detection Signature groups
Name Comments
0 FROM_INT_* Traffic from internal network to external network
1 FROM_EXT_* Traffic from external network to internal network
2 FROM_EXT_WEB_FRONTPAGE
3 FROM_EXT_WEB_IIS
4 FROM_INT_TELNET
5 FROM_EXT_TELNET
6 FROM_INT_EMAIL_VIRUS
7 FROM_EXT_MAIL_SMTP
8 FROM_EXT_MAIL_POP3
9 FROM_EXT_MAIL_POP2
10 FROM_EXT_IMAP
11 FROM_EXT_FTP
12 FROM_EXT_DNS
13 FROM_EXT_FINGER
14 FROM_EXT_EXPLOIT
15 FROM_INT_ATTACK_RESPONSES
16 FROM_EXT_SHELLCODE
Right-click on a row for further options.

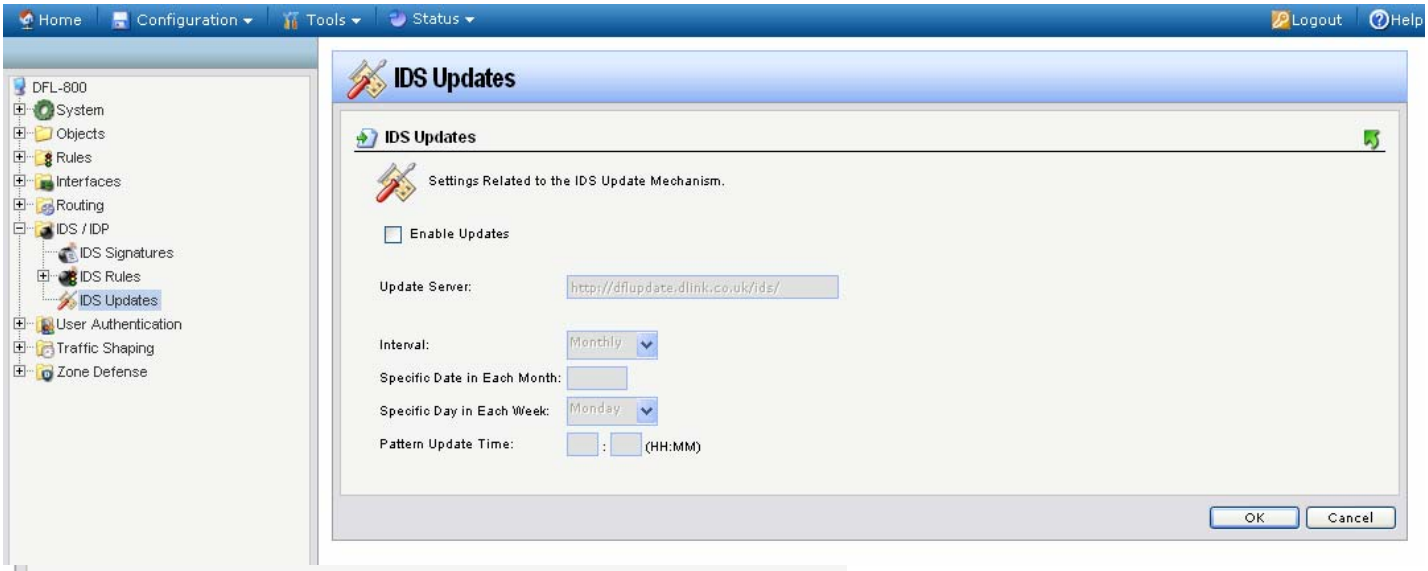

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
IDS Signatures
IDS Rules
IDS Updates
User Authentication
Traffic Shaping
Zone Defense
FROM_INT_*
Intrusion Detection Signatures that are grouped based on a wildcard string (containing '*' and '?'). The wildcard are matched against individual signature names, and also ordinary signature group names.
Name IDSSeverity Comments
0 ATTACK-RESPONSES Microsoft cmd.exe banner Attack ATTACK-RESPONSES Generic Microsoft cmd.exe banner warning. This signature strongly suggest a system compromise
1 ATTACK-RESPONSES Windows directory listing Attack ATTACK-RESPONSES Windows directory listing. Impact: Probable system compromise
2 ATTACK-RESPONSES command completed Attack ATTACK-RESPONSES command completed. This signature strongly suggest a system compromise
3 ATTACK-RESPONSES command error Attack ATTACK-RESPONSES command error. This signature strongly suggest a system compromise
4 ATTACK-RESPONSES index of /cgi-bin/ response Attack ATTACK-RESPONSES index of /cgi-bin/ response. Impact: Possible configuration disclosure
5 ATTACK-RESPONSES successful gobbles sshutuptheo ex... Attack ATTACK-RESPONSES successful gobbles ssh exploit. Impact: Arbitrary code execution.
6 ATTACK-RESPONSES successful gobbles sshutuptheo ex... Attack ATTACK-RESPONSES successful gobbles ssh exploit. Impact: Arbitrary code execution.
7 TELNET login incorrect Attack TELNET login incorrect
8 TELNET root login Attack TELNET root login
9 VIRUS OUTBOUND .bat file attachment Attack VIRUS OUTBOUND .bat file attachment
10 VIRUS OUTBOUND .chm file attachment Attack VIRUS OUTBOUND .chm file attachment
11 VIRUS OUTBOUND .com file attachment Attack VIRUS OUTBOUND .com file attachment
12 VIRUS OUTBOUND .diz file attachment Attack VIRUS OUTBOUND .diz file attachment
13 VIRUS OUTBOUND .dll file attachment Attack VIRUS OUTBOUND .dll file attachment
14 VIRUS OUTBOUND .doc file attachment Attack VIRUS OUTBOUND .doc file attachment
15 VIRUS OUTBOUND .exe file attachment Attack VIRUS OUTBOUND .exe file attachment
16 VIRUS OUTBOUND .hsq file attachment Attack VIRUS OUTBOUND .hsq file attachment
17 VIRUS OUTBOUND .hta file attachment Attack VIRUS OUTBOUND .hta file attachment
18 VIRUS OUTBOUND .ini file attachment Attack VIRUS OUTBOUND .ini file attachment
19 VIRUS OUTBOUND .pif file attachment Attack VIRUS OUTBOUND .pif file attachment
20 VIRUS OUTBOUND .reg file attachment Attack VIRUS OUTBOUND .reg file attachment
21 VIRUS OUTBOUND .scr file attachment Attack VIRUS OUTBOUND .scr file attachment
22 VIRUS OUTBOUND .shs file attachment Attack VIRUS OUTBOUND .shs file attachment

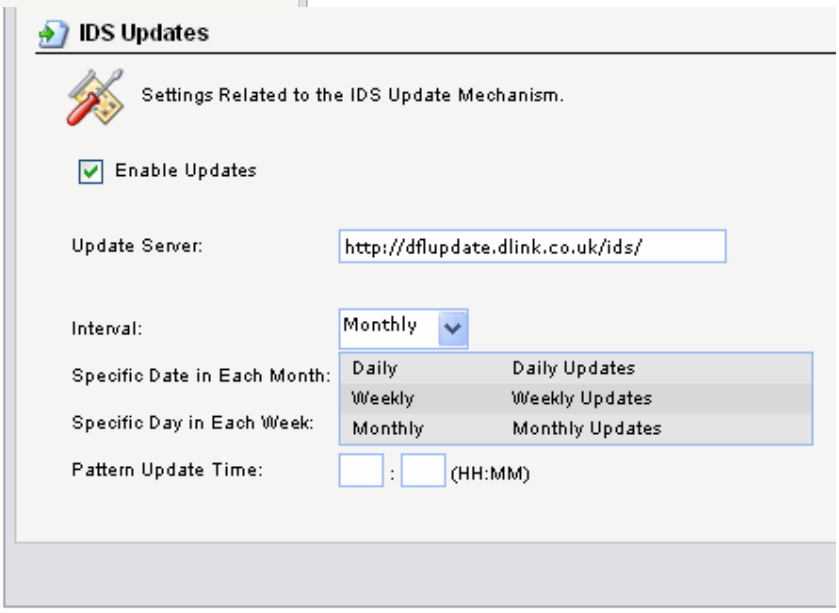

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
IDS Signatures
IDS Rules
IDS Updates
User Authentication
Traffic Shaping
Zone Defense
IDS Rules
IDS/IDP Rules are used to detect intrusion attempts and/or inspect network traffic and take appropriate action.
Add
IDS/IDP Rule
Name SourceInterface SourceNetwork DestinationInterface DestinationNetwork Service
Right-click on a row for further options.

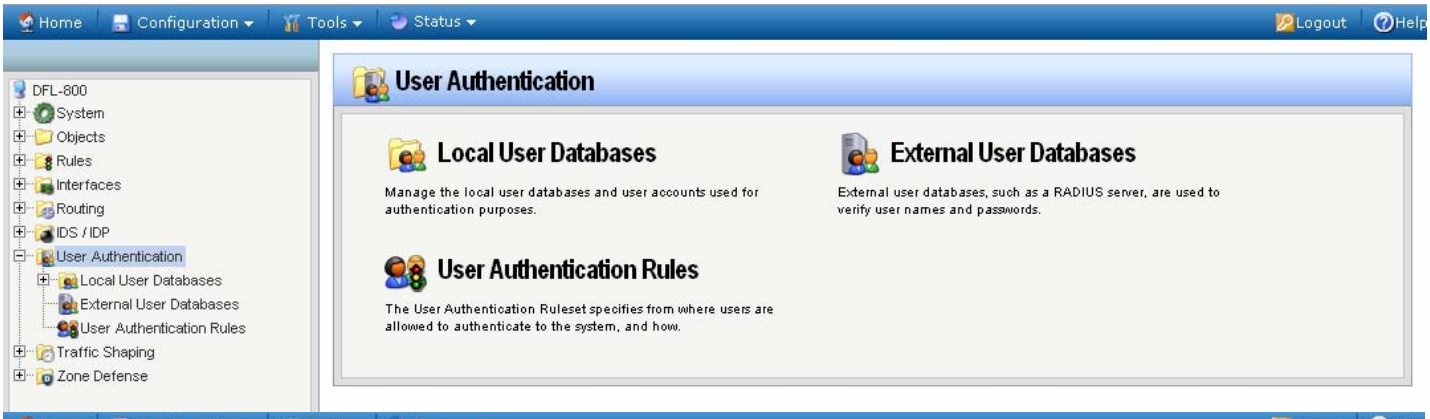

Untitled
General
Log Settings
General
IDS/IDP Rules are used to detect intrusion attempts and/or inspect network traffic and take appropriate action.
Name:
Untitled
Service:
(None)
Schedule:
(None)
Also inspect dropped packets
Address Filter
Specify source interface and source network, together with destination interface and destination network. All parameters have to match for the rule to match.
Source
Destination
Interface:
(None)
(None)
Network:
(None)
(None)
Comments
Comments:
OK
Cancel

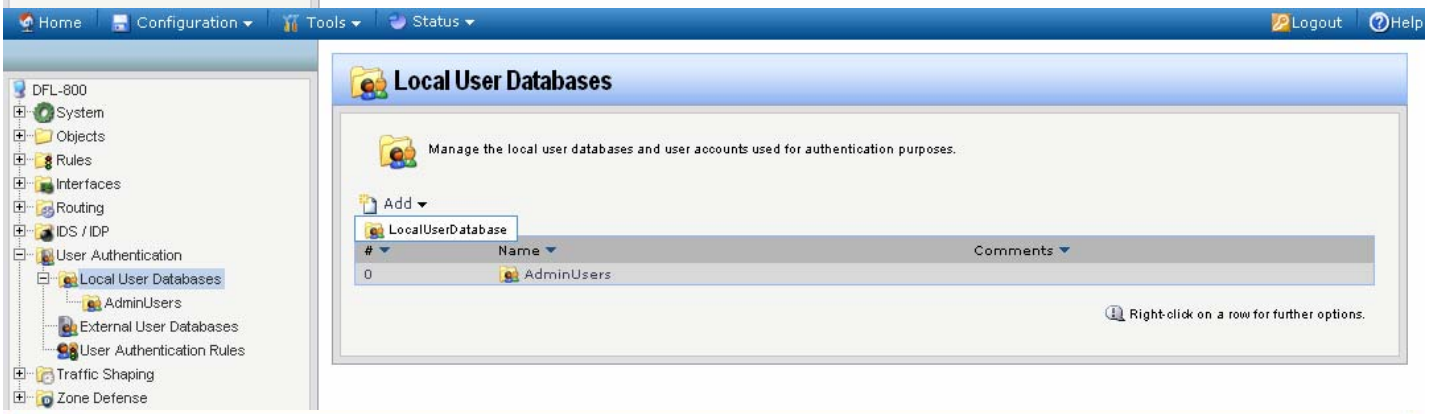

IDS/IDP Rules are used to detect intrusion attempts and/or inspect network traffic and take appropriate action.
Name:
Untitled
Service:
(None)
Schedule:
Also insp
Address Fi
Speci
match.
Interface:
Network:
Comments
Comments:
Name
Comments
H323
H.323 via H323 ALG - Enables H.323 communication
H323-Gatekeeper
H.323 RAS via H323 ALG - Enables communication with H.323 Gatekeepers
Untitled
Untitled
Untitled
Untitled
all_icmp
All ICMP services
all_services
All ICMP, TCP and UDP services
all_tcp
All TCP services
all_tcpudp
All TCP and UDP services
all_udp
All UDP services
bootpc
Bootstrap protocol (also DHCP) client
bootps
Bootstrap protocol (also DHCP) server
chargen
Character generator
dns-all
DNS via TCP and UDP
dns-tcp
Domain Name Server via TCP - mainly zone transfers
dns-udp
Domain Name Server via UDP - standard queries
echo
Echo service
epmap
RPC port mapper, used by MS Windows networking
finger
Finger
ftp-inbound
FTP - protects server against data channel attacks
ftp-internal
FTP - protects client and server against data channel attacks
ftp-outbound
FTP - protects client against data channel attacks
ftp-passthrough
FTP - unrestricted - allows all transfer modes for client and server
gopher
Gopher
gre-encap
Generic Routing Encapsulation
http
World Wide Web HTTP
http-all
HTTP and HTTPS
http-in
World Wide Web HTTP with SYN flood protection
http-in-all
HTTP and HTTPS with SYN flood protection
http-outbound
HTTP via HTTP ALG "http-outbound" - strips all active content
https
Secure HTTP over SSL/TLS

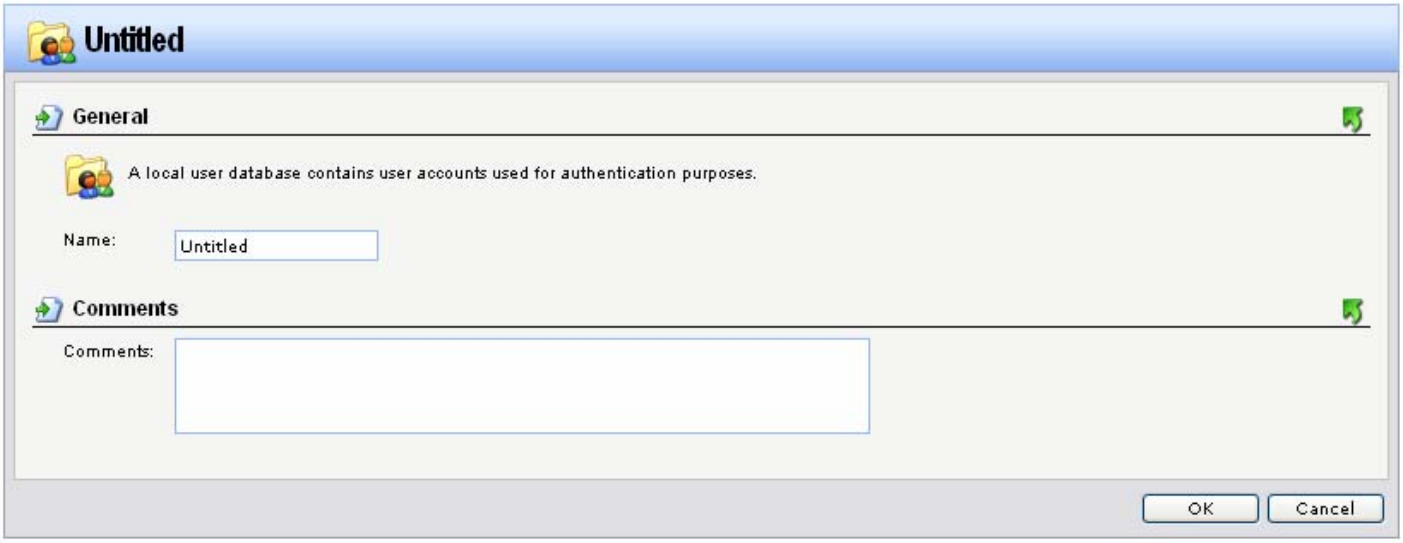

Untitled
General
Log Settings
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Log Receivers
Log to:
All receivers
Specific receiver(s):
Available
Selected
MemLog
>>
<<
OK

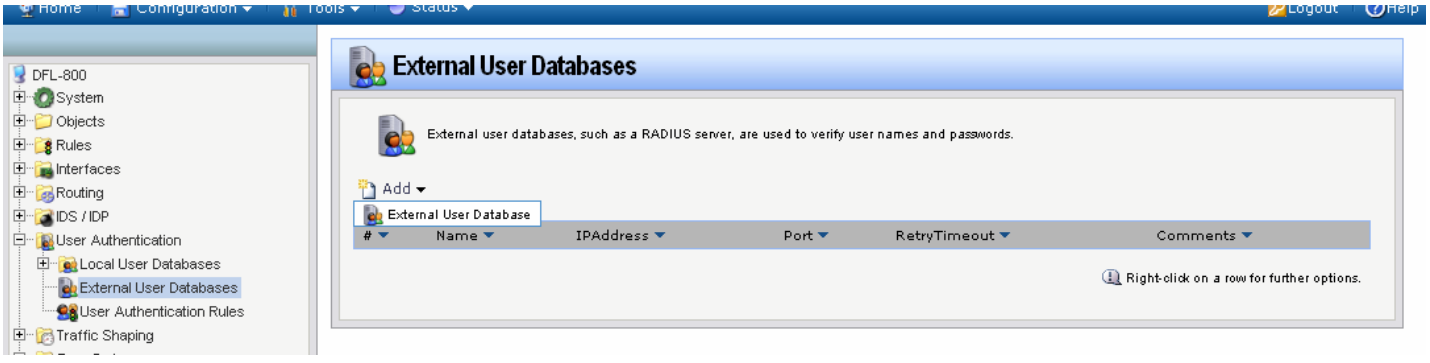

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
IDS Signatures
IDS Rules
IDS Updates
User Authentication
Traffic Shaping
Zone Defense
IDS Updates
IDS Updates
Settings Related to the IDS Update Mechanism.
Enable Updates
Update Server:
http://dflupdate.dlink.co.uk/ids/
Interval:
Monthly
Specific Date in Each Month:
Specific Day in Each Week:
Monday
Pattern Update Time:
(HH:MM)
OK
Cancel

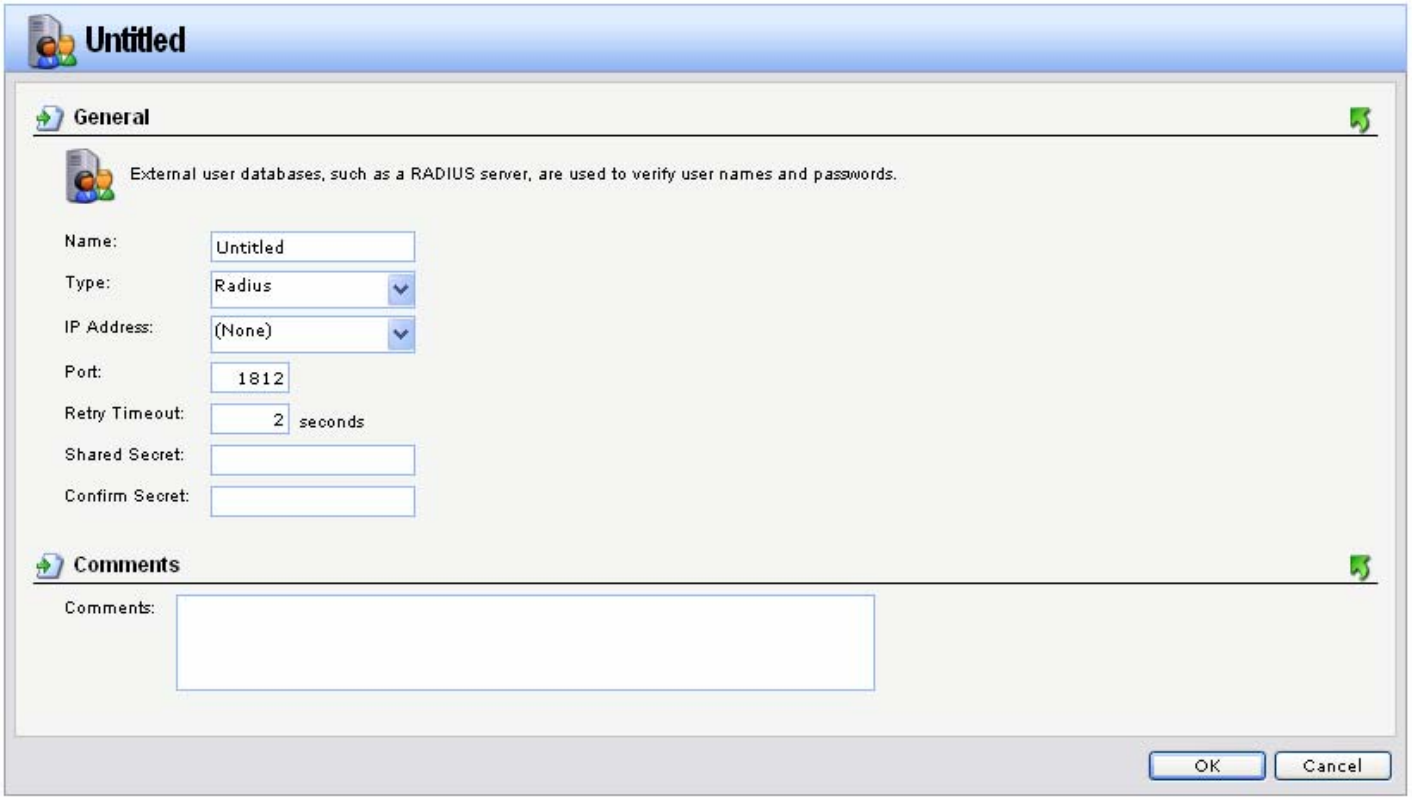

IDS Updates
Settings Related to the IDS Update Mechanism.
Enable Updates
Update Server:
http://dflupdate.dlink.co.uk/ids/
Interval:
Monthly
Specific Date in Each Month:
Specific Day in Each Week:
Pattern Update Time:
(HH:MM)
Daily
Daily Updates
Weekly
Weekly Updates
Monthly
Monthly Updates

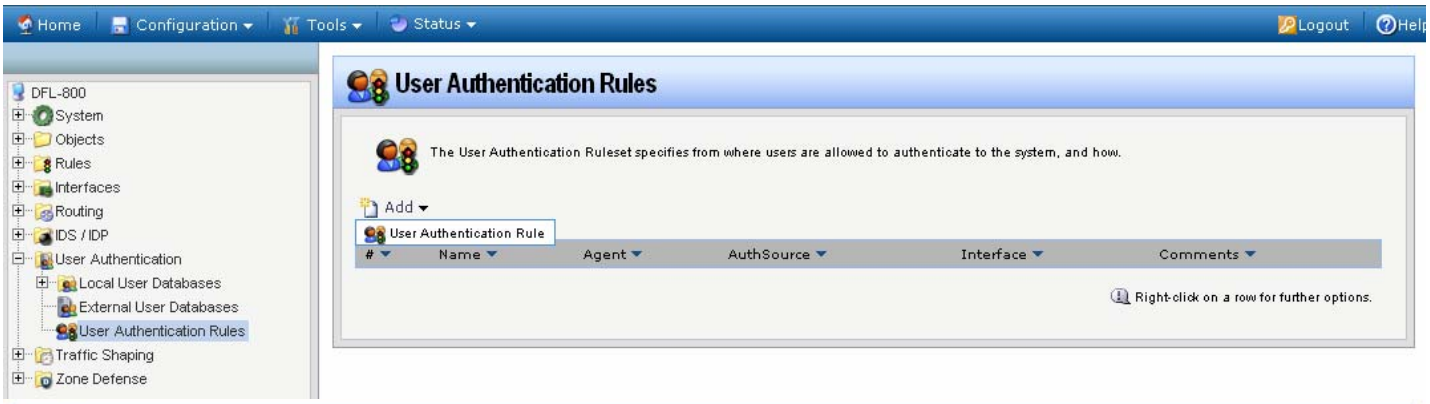

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Local User Databases
External User Databases
User Authentication Rules
Traffic Shaping
Zone Defense
User Authentication
Local User Databases
Manage the local user databases and user accounts used for authentication purposes.
External User Databases
External user databases, such as a RADIUS server, are used to verify user names and passwords.
User Authentication Rules
The User Authentication Ruleset specifies from where users are allowed to authenticate to the system, and how.

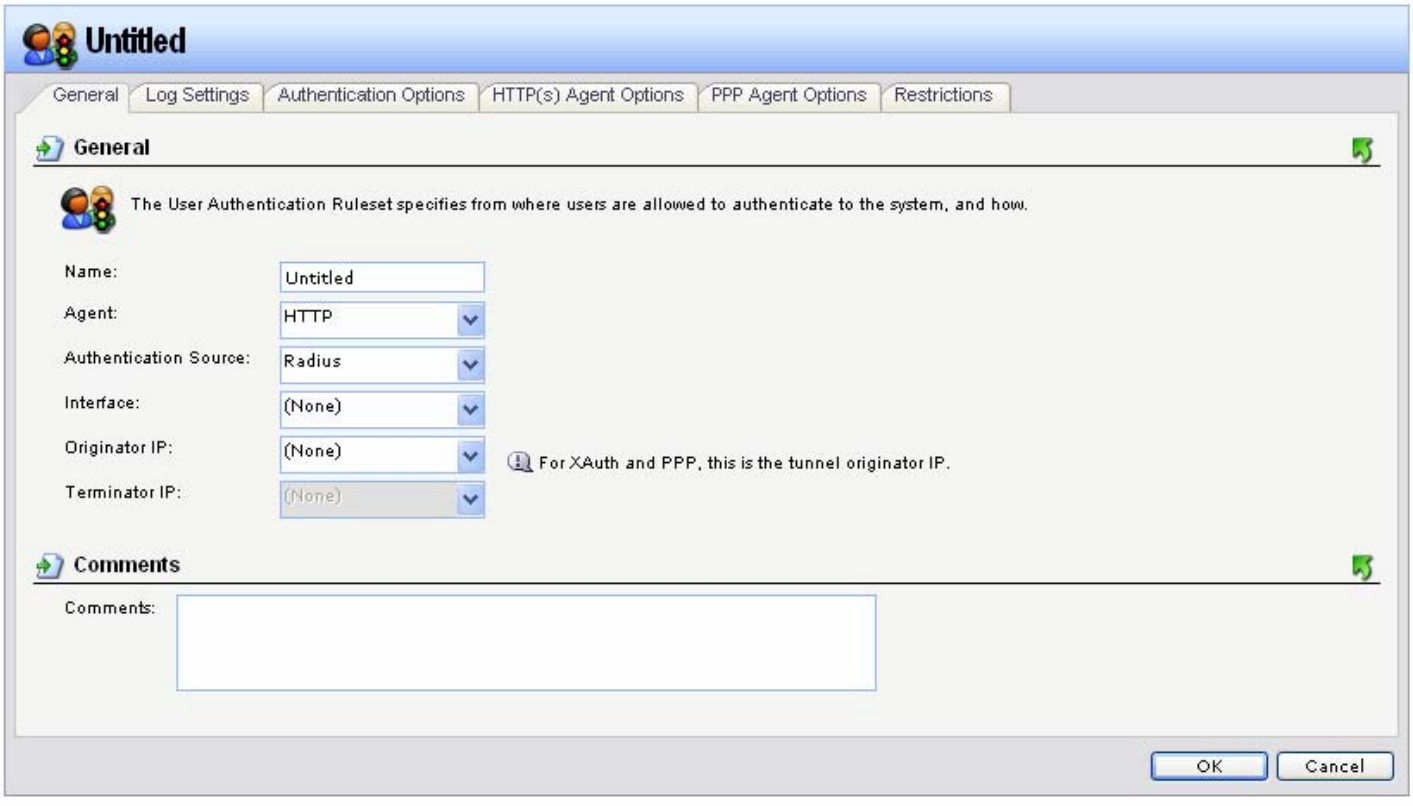

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Local User Databases
AdminUsers
External User Databases
User Authentication Rules
Traffic Shaping
Zone Defense
Local User Databases
Manage the local user databases and user accounts used for authentication purposes.
Add
LocalUserDatabase
Name Comments
0 AdminUsers
Right-click on a row for further options.

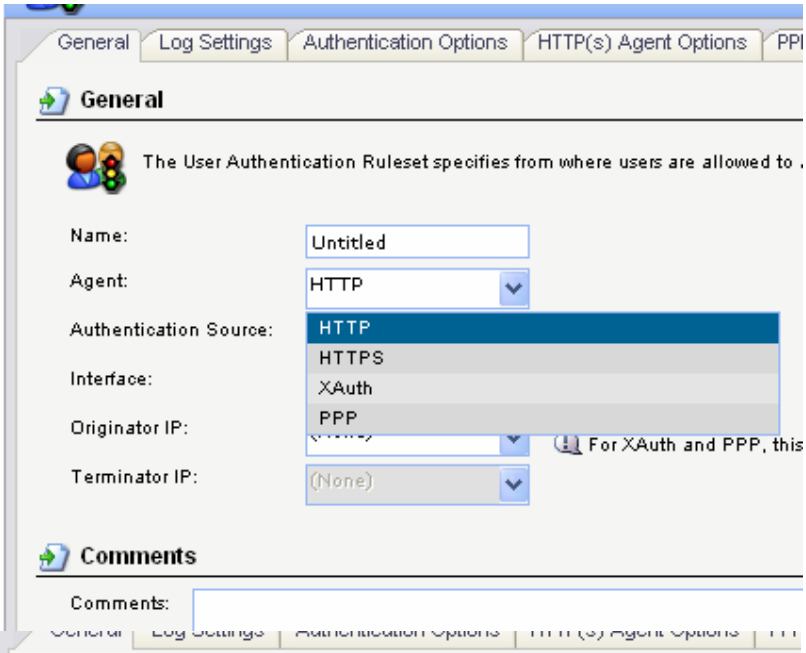

Untitled
General
A local user database contains user accounts used for authentication purposes.
Name:
Untitled
Comments
Comments:
OK
Cancel

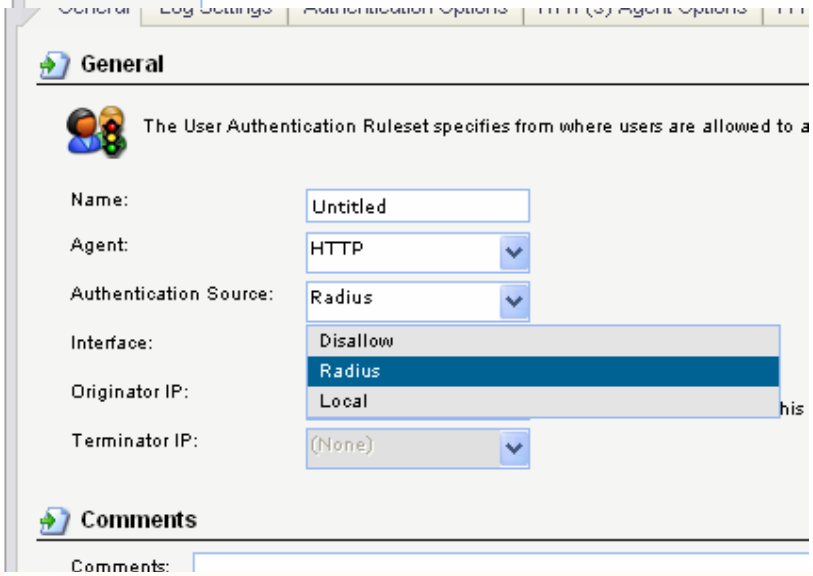

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Local User Databases
External User Databases
User Authentication Rules
Traffic Shaping
External User Databases
External user databases, such as a RADIUS server, are used to verify user names and passwords.
Add
External User Database
Name IPAddress Port RetryTimeout Comments
Right-click on a row for further options.

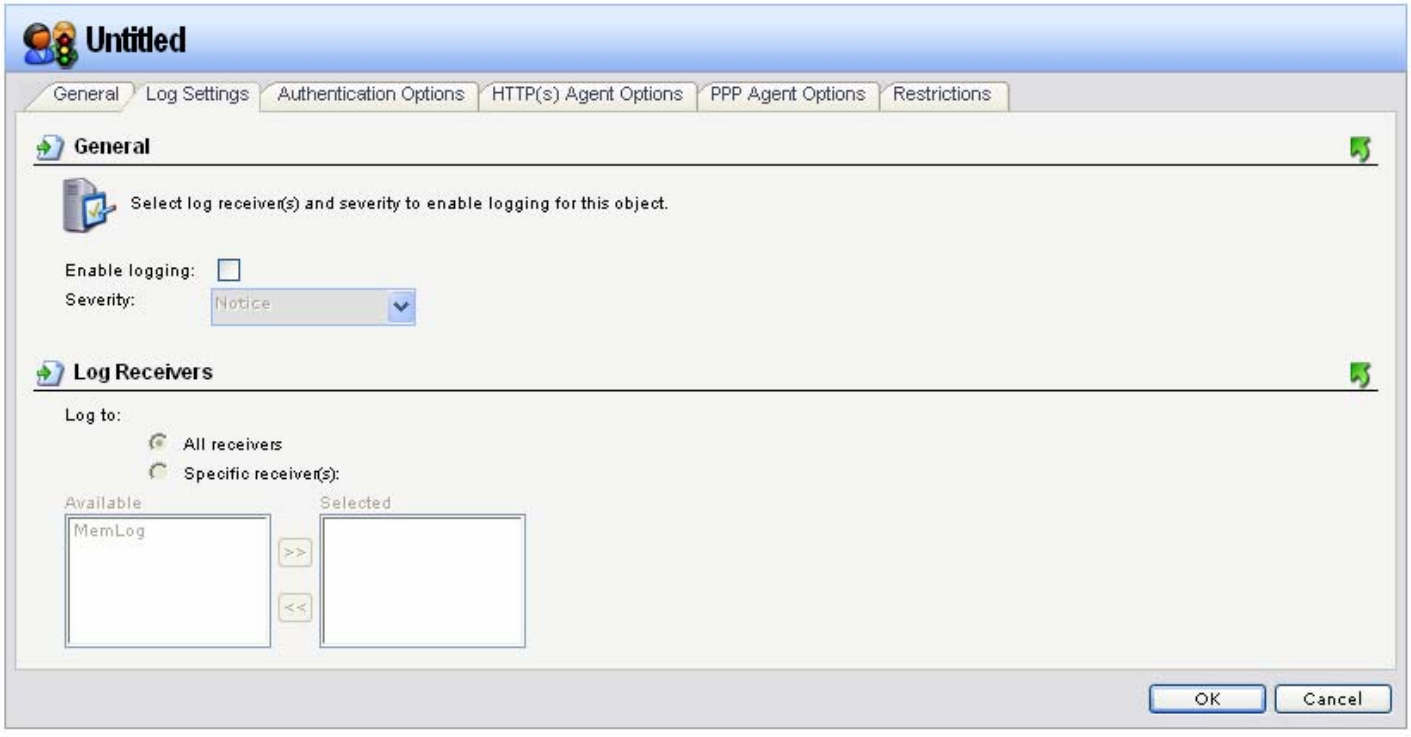

Untitled
General
External user databases, such as a RADIUS server, are used to verify user names and passwords.
Name:
Untitled
Type:
Radius
IP Address:
(None)
Port:
1812
Retry Timeout:
2
seconds
Shared Secret:
Confirm Secret:
Comments
Comments:
OK
Cancel

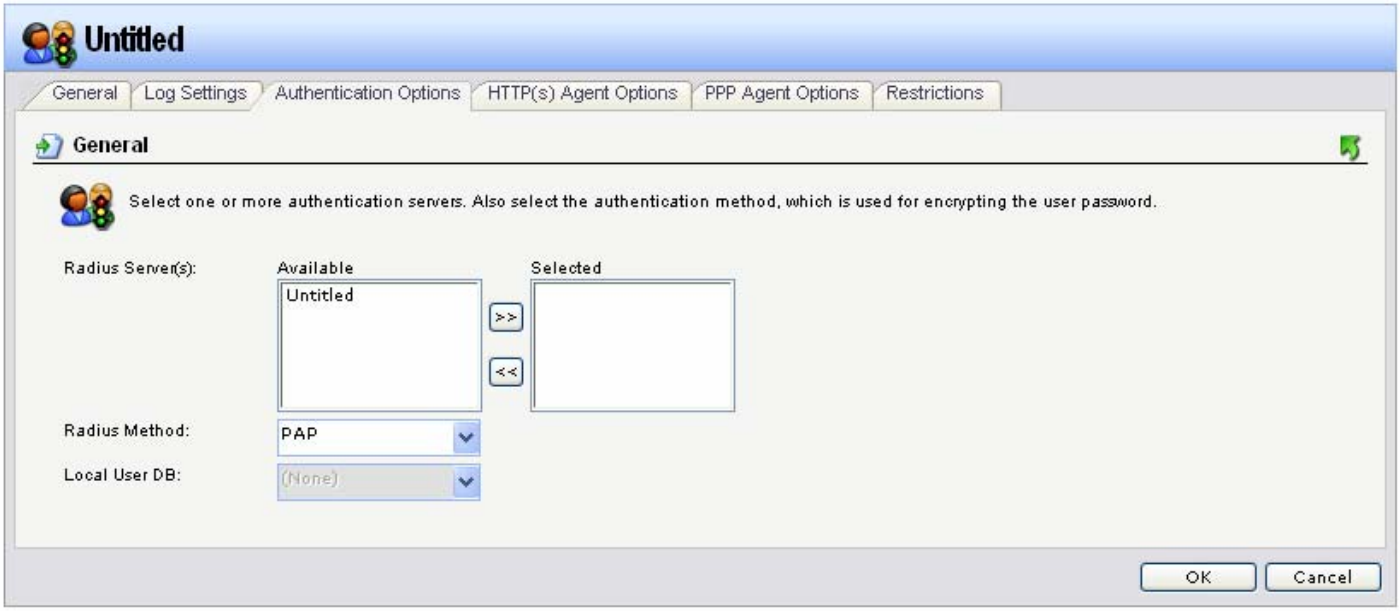

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Local User Databases
External User Databases
User Authentication Rules
Traffic Shaping
Zone Defense
User Authentication Rules
The User Authentication Ruleset specifies from where users are allowed to authenticate to the system, and how.
Add
User Authentication Rule
Name Agent AuthSource Interface Comments
Right-click on a row for further options.

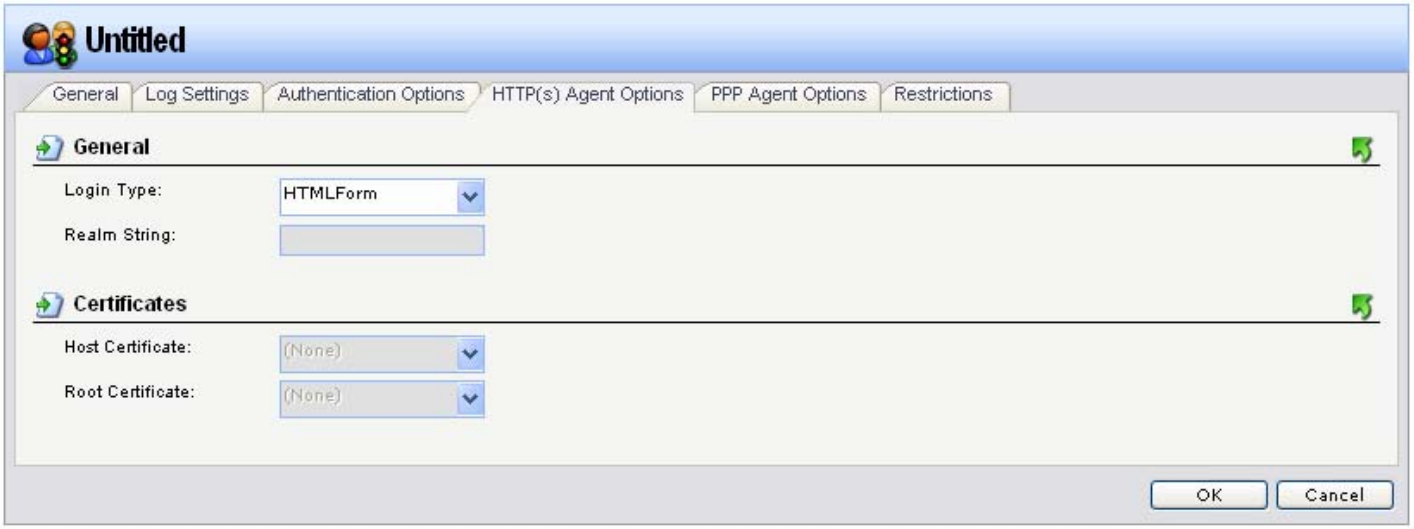

Untitled
General
Log Settings
Authentication Options
HTTP(s) Agent Options
PPP Agent Options
Restrictions
General
The User Authentication Ruleset specifies from where users are allowed to authenticate to the system, and how.
Name:
Untitled
Agent:
HTTP
Authentication Source:
Radius
Interface:
(None)
Originator IP:
(None)
For XAuth and PPP, this is the tunnel originator IP.
Terminator IP:
(None)
Comments
Comments:
OK
Cancel


General
Log Settings
Authentication Options
HTTP(s) Agent Options
General
The User Authentication Ruleset specifies from where users are allowed to
Name:
Untitled
Agent:
HTTP
Authentication Source:
HTTP
HTTPS
XAuth
PPP
Interface:
Originator IP:
For XAuth and PPP, this
Terminator IP:
(None)
Comments
Comments:

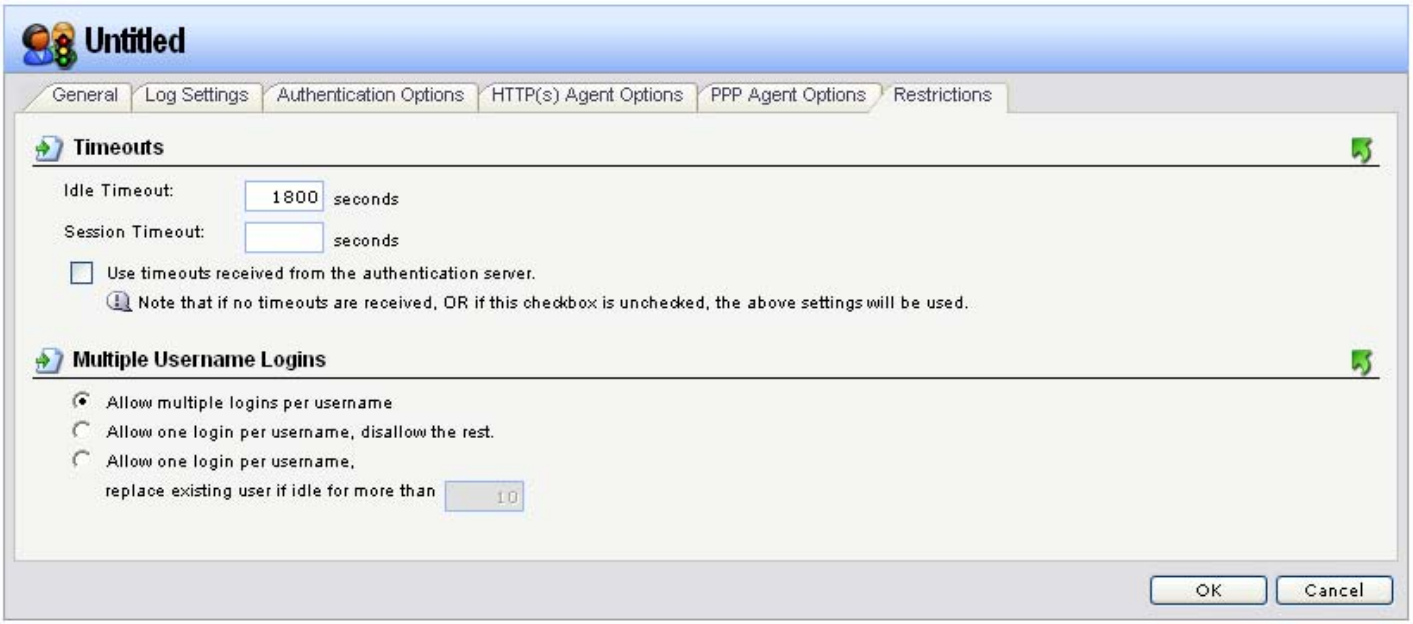

General
The User Authentication Ruleset specifies from where users are allowed to a
Name:
Untitled
Agent:
HTTP
Authentication Source:
Radius
Interface:
Disallow
Radius
Local
Originator IP:
Terminator IP:
(None)
Comments
Comments:


Untitled
General
Log Settings
Authentication Options
HTTP(s) Agent Options
PPP Agent Options
Restrictions
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Log Receivers
Log to:
All receivers
Specific receiver(s):
Available
Selected
MemLog
OK
Cancel


Untitled
General
Log Settings
Authentication Options
HTTP(s) Agent Options
PPP Agent Options
Restrictions
General
Select one or more authentication servers. Also select the authentication method, which is used for encrypting the user password.
Radius Server(s):
Available
Untitled
>>
<<
Selected
Radius Method:
PAP
Local User DB:
(None)
OK
Cancel

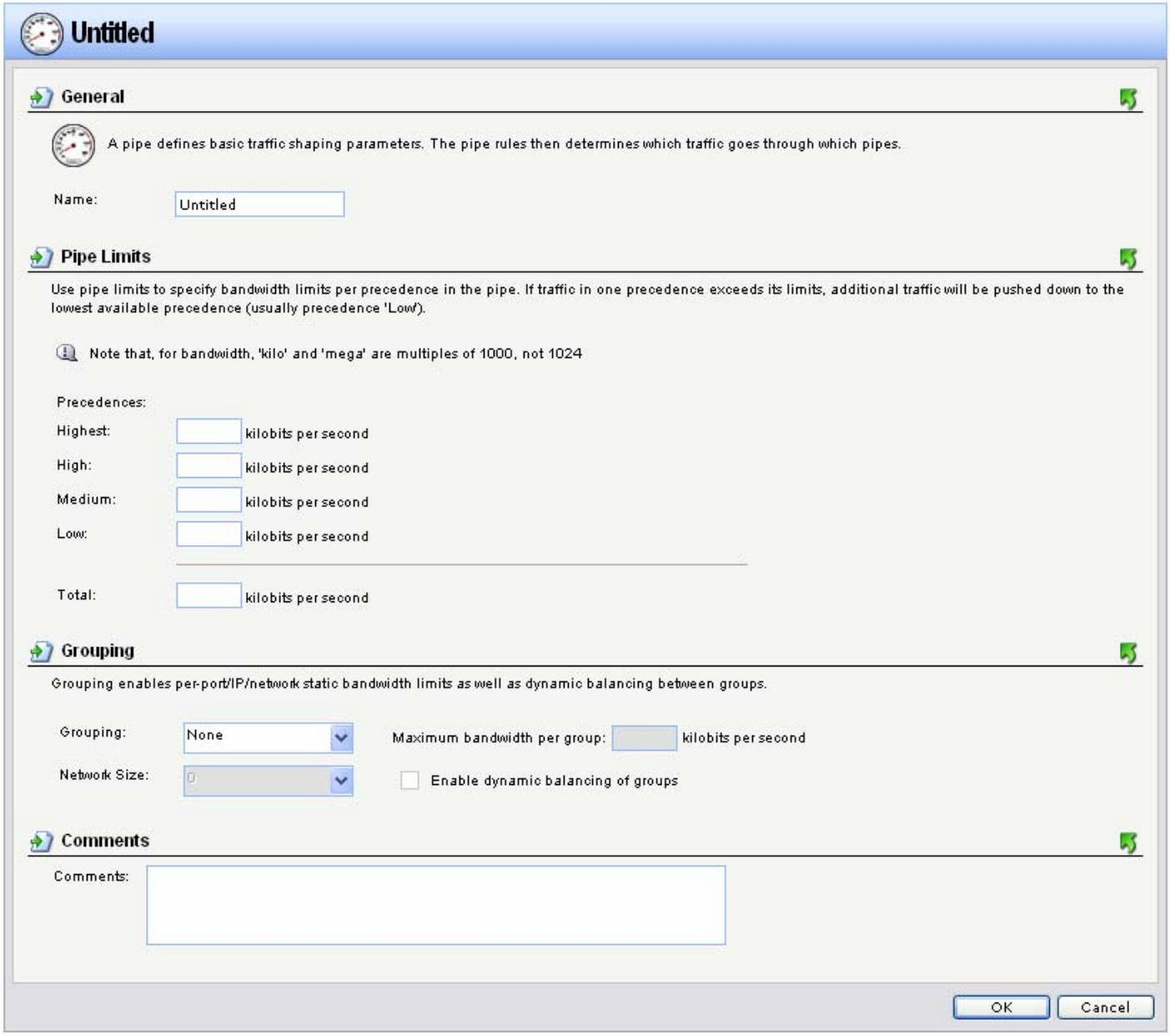

Untitled
General
Log Settings
Authentication Options
HTTP(s) Agent Options
PPP Agent Options
Restrictions
General
Login Type:
HTMLForm
Realm String:
Certificates
Host Certificate:
(None)
Root Certificate:
(None)
OK
Cancel

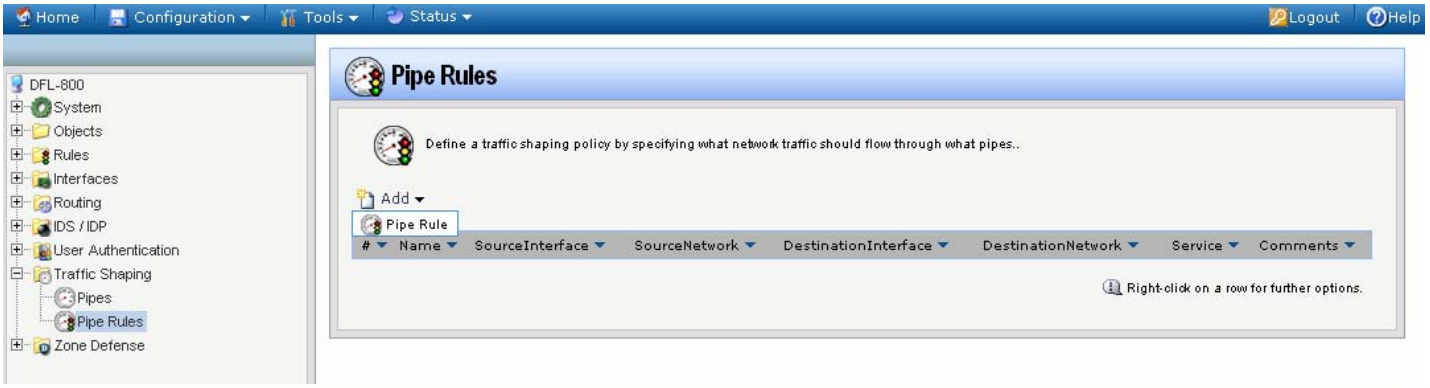

Untitled
General
Log Settings
Authentication Options
HTTP(s) Agent Options
PPP Agent Options
Restrictions
General
Allow Unauthenticated Users
Unencrypted Password (PAP)
Challenge Handshake Authentication Protocol (CHAP)
Microsoft CHAP (MS-CHAP)
Microsoft CHAP Version 2 (MS-CHAP v2)
OK
Cancel

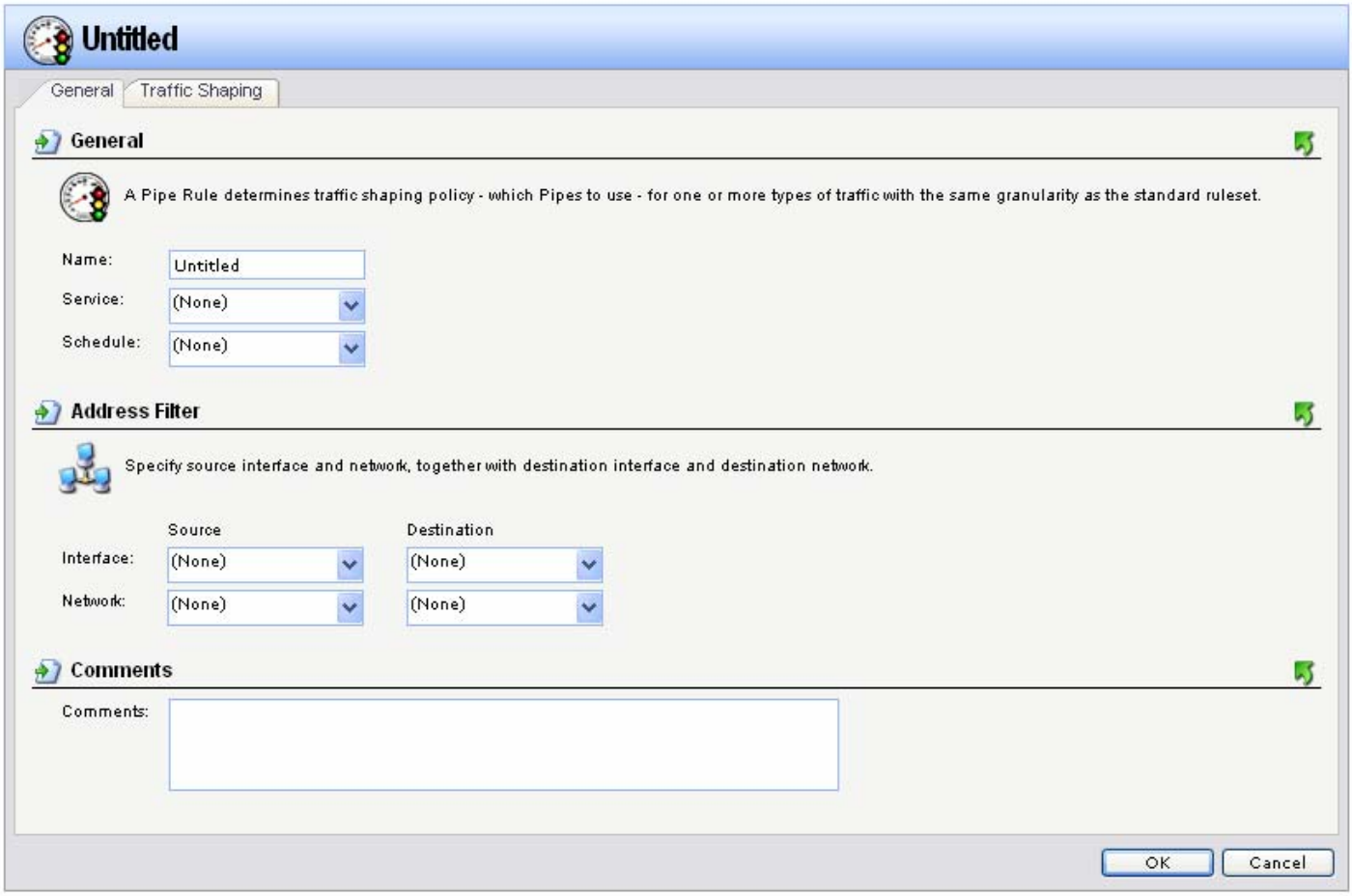

Untitled
General
Log Settings
Authentication Options
HTTP(s) Agent Options
PPP Agent Options
Restrictions
Timeouts
Idle Timeout:
1800
seconds
Session Timeout:
seconds
Use timeouts received from the authentication server.
Note that if no timeouts are received, OR if this checkbox is unchecked, the above settings will be used.
Multiple Username Logins
Allow multiple logins per username
Allow one login per username, disallow the rest.
Allow one login per username,
replace existing user if idle for more than
10
OK
Cancel

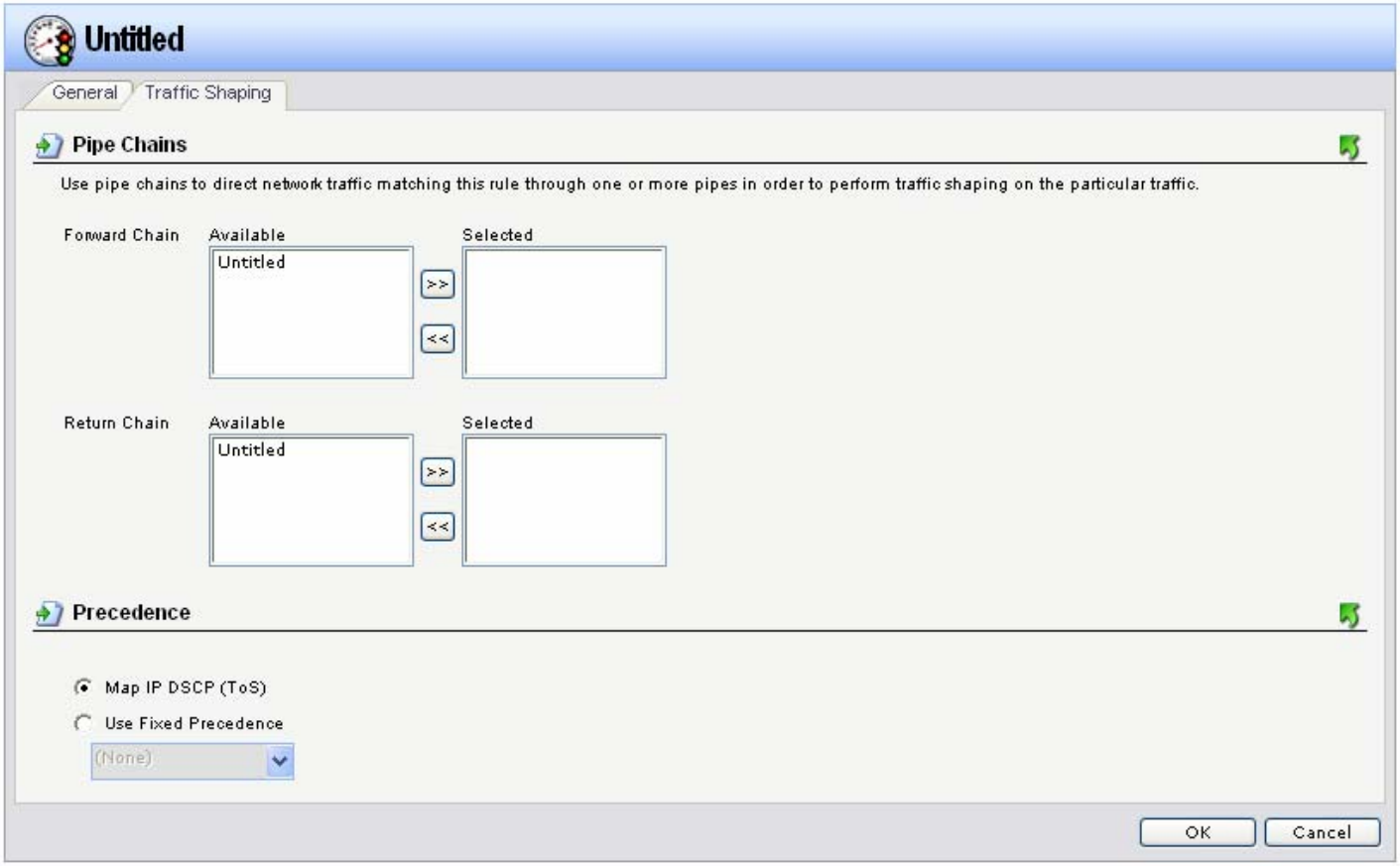

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Pipes
Pipe Rules
Zone Defense
Traffic Shaping
Pipes
Pipes are used as regulators for network traffic flowing through the system.
Pipe Rules
Define a traffic shaping policy by specifying what network traffic should flow through what pipes..

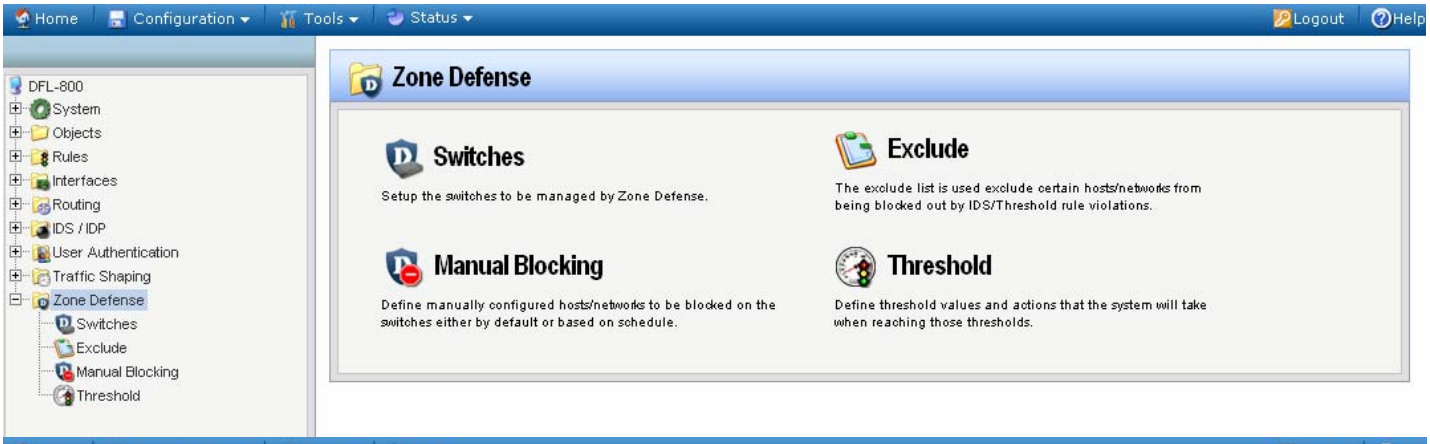

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Pipes
Pipe Rules
Zone Defense
Pipes
Pipes are used as regulators for network traffic flowing through the system.
Add
Pipe
Name Grouping GroupingNetworkSize LimitKbpsTotal Comments
Right-click on a row for further options.


Untitled
General
A pipe defines basic traffic shaping parameters. The pipe rules then determines which traffic goes through which pipes.
Name:
Untitled
Pipe Limits
Use pipe limits to specify bandwidth limits per precedence in the pipe. If traffic in one precedence exceeds its limits, additional traffic will be pushed down to the lowest available precedence (usually precedence 'Low').
Note that, for bandwidth, 'kilo' and 'mega' are multiples of 1000, not 1024
Precedences:
Highest: kilobits per second
High: kilobits per second
Medium: kilobits per second
Low: kilobits per second
Total: kilobits per second
Grouping
Grouping enables per-port/IP/network static bandwidth limits as well as dynamic balancing between groups.
Grouping:
None
Maximum bandwidth per group: kilobits per second
Network Size:
Enable dynamic balancing of groups
Comments
Comments:
OK
Cancel

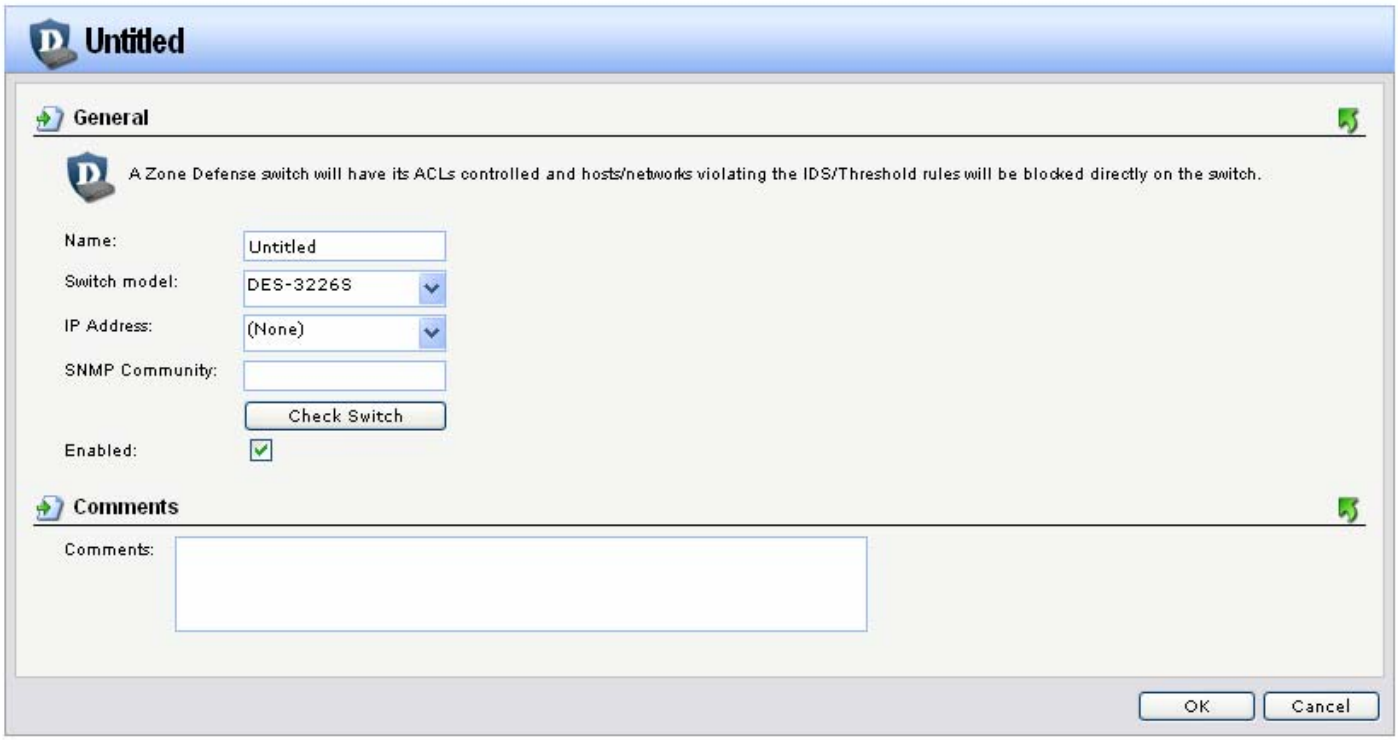

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Pipes
Pipe Rules
Zone Defense
Pipe Rules
Define a traffic shaping policy by specifying what network traffic should flow through what pipes..
Add
Pipe Rule
Name SourceInterface SourceNetwork DestinationInterface DestinationNetwork Service Comments
Right-click on a row for further options.

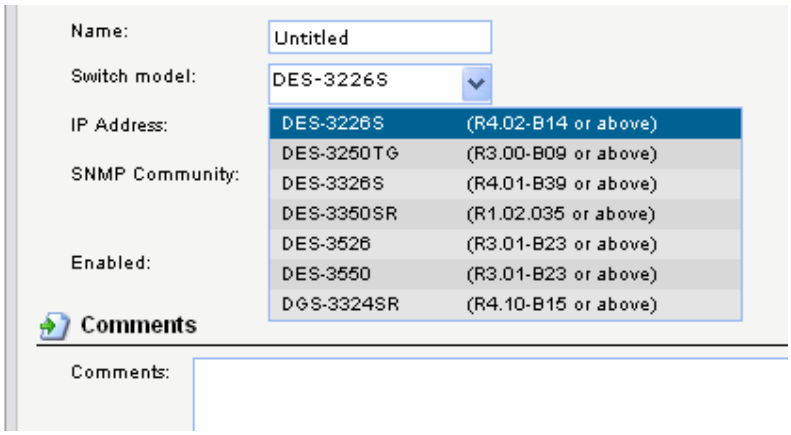

Untitled
General
Traffic Shaping
General
A Pipe Rule determines traffic shaping policy - which Pipes to use - for one or more types of traffic with the same granularity as the standard ruleset.
Name:
Untitled
Service:
(None)
Schedule:
(None)
Address Filter
Specify source interface and network, together with destination interface and destination network.
Source
Destination
Interface:
(None)
(None)
Network:
(None)
(None)
Comments
Comments:
OK
Cancel

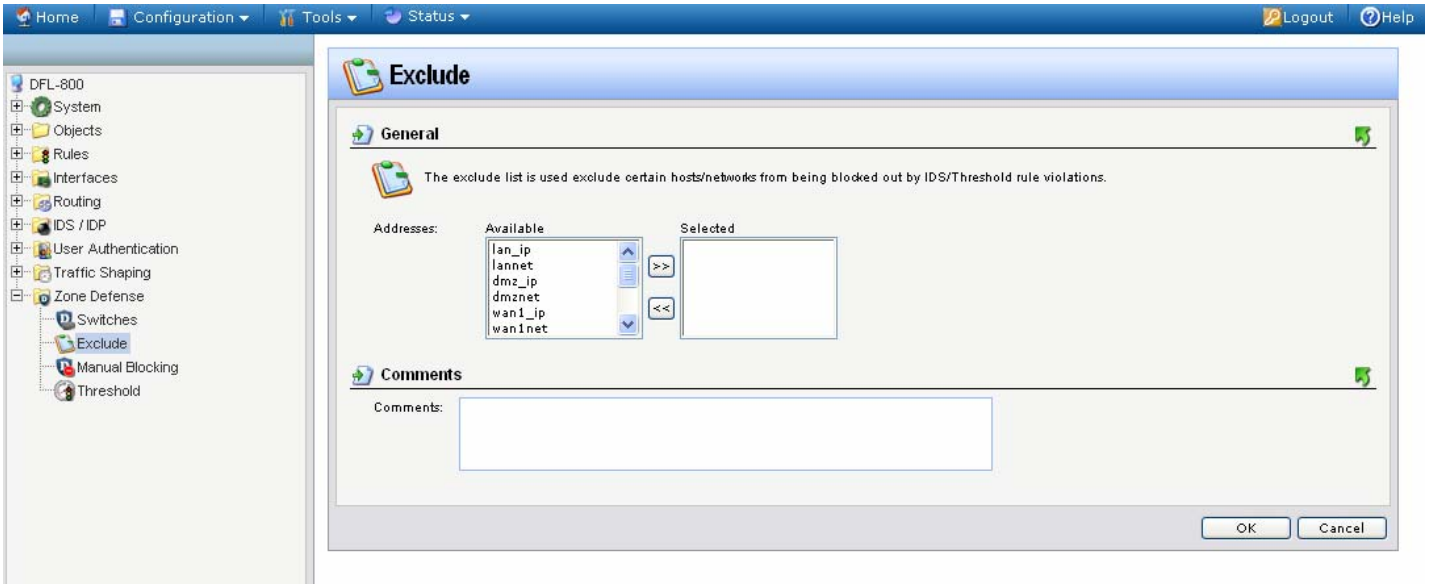

Untitled
General
Traffic Shaping
Pipe Chains
Use pipe chains to direct network traffic matching this rule through one or more pipes in order to perform traffic shaping on the particular traffic.
Forward Chain
Available
Untitled
>>
<<
Selected
Return Chain
Available
Untitled
>>
<<
Selected
Precedence
Map IP DSCP (ToS)
Use Fixed Precedence
(None)
OK
Cancel


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Switches
Exclude
Manual Blocking
Threshold
Zone Defense
Switches
Setup the switches to be managed by Zone Defense.
Exclude
The exclude list is used exclude certain hosts/networks from being blocked out by IDS/Threshold rule violations.
Manual Blocking
Define manually configured hosts/networks to be blocked on the switches either by default or based on schedule.
Threshold
Define threshold values and actions that the system will take when reaching those thresholds.

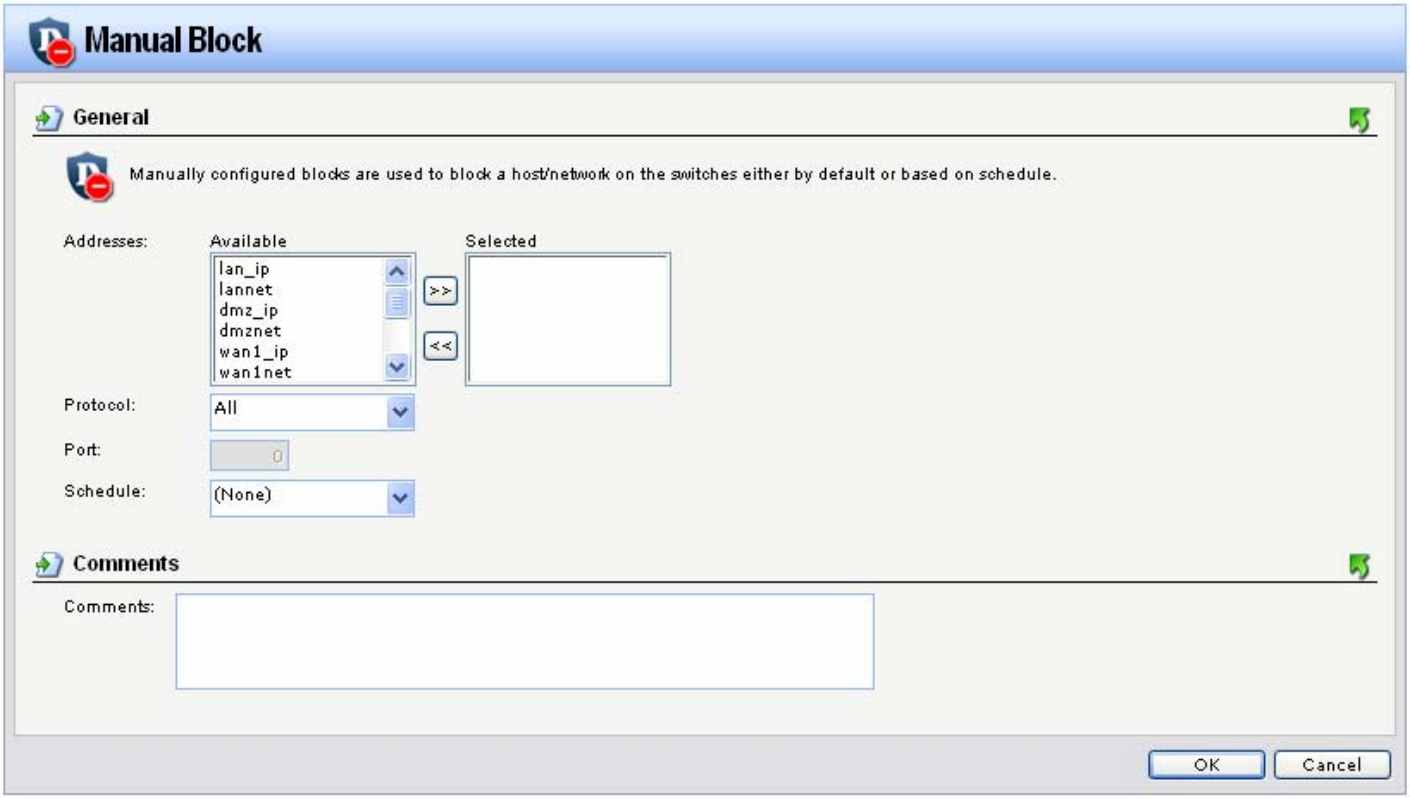

Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Switches
Exclude
Manual Blocking
Threshold
Switches
Setup the switches to be managed by Zone Defense.
Add
Switch
Name SwitchModel IP Enabled Comments
Right-click on a row for further options.

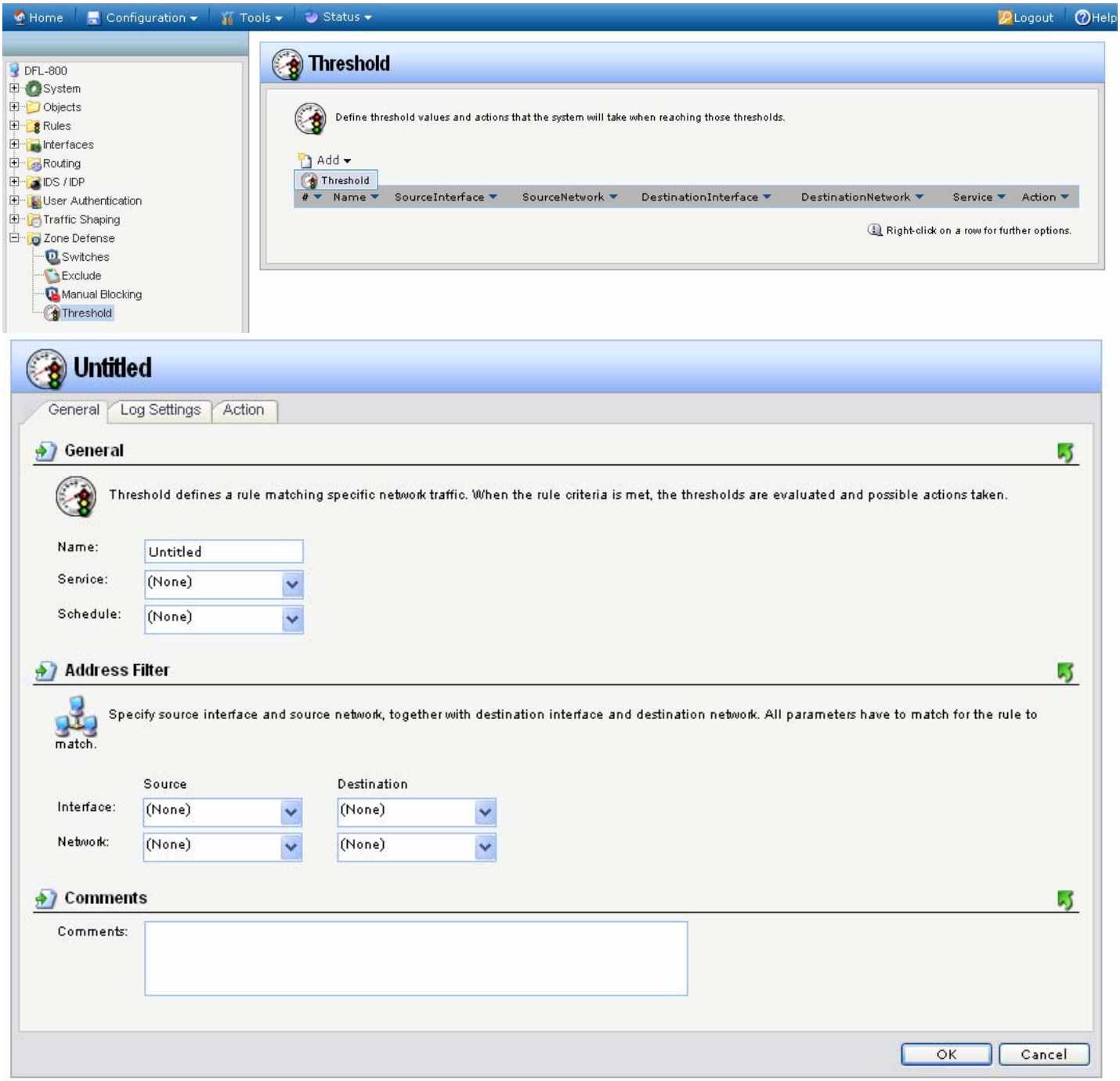

Untitled
General
A Zone Defense switch will have its ACLs controlled and hosts/networks violating the IDS/Threshold rules will be blocked directly on the switch.
Name:
Untitled
Switch model:
DES-3226S
IP Address:
(None)
SNMP Community:
Check Switch
Enabled:
Comments
Comments:
OK
Cancel

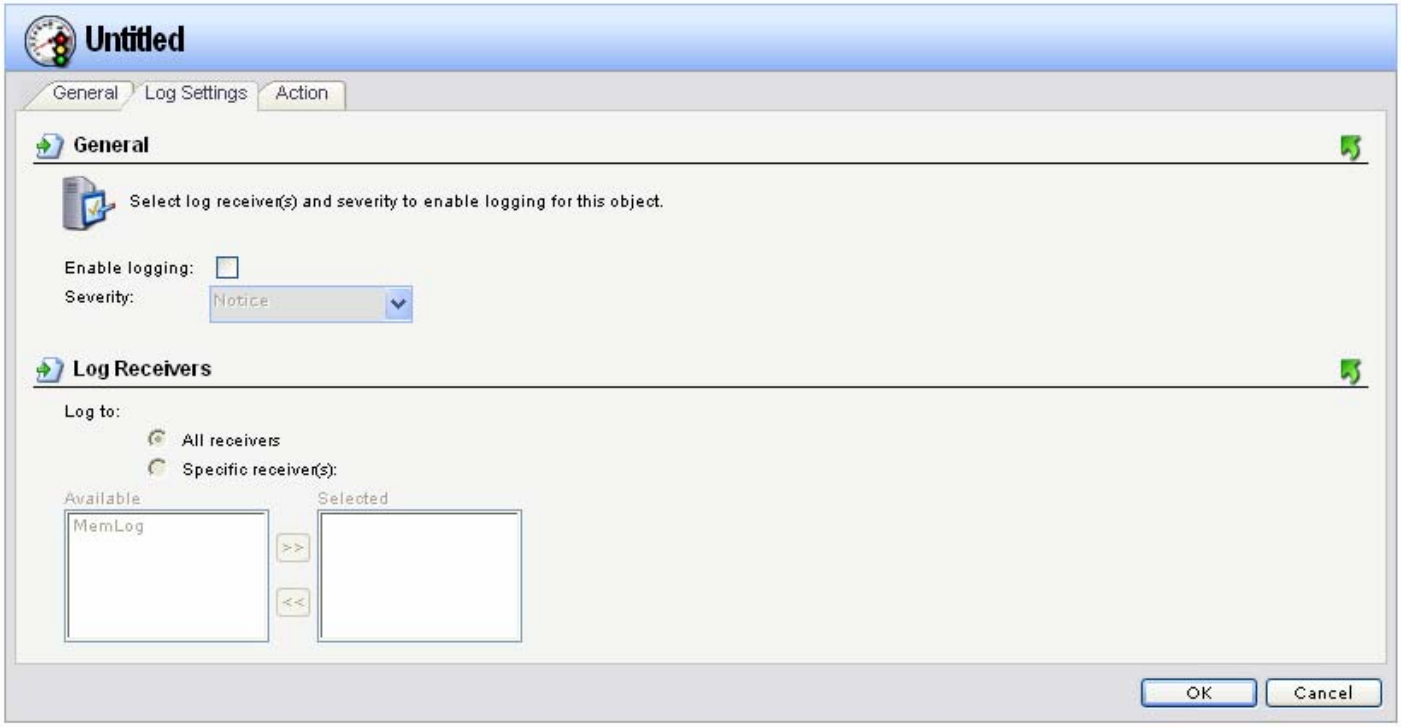

Name:
Untitled
Switch model:
DES-3226S
IP Address:
SNMP Community:
Enabled:
DES-3226S (R4.02-B14 or above)
DES-3250TG (R3.00-B09 or above)
DES-3326S (R4.01-B39 or above)
DES-3350SR (R1.02.035 or above)
DES-3526 (R3.01-B23 or above)
DES-3550 (R3.01-B23 or above)
DGS-3324SR (R4.10-B15 or above)
Comments
Comments:


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Switches
Exclude
Manual Blocking
Threshold
Exclude
General
The exclude list is used exclude certain hosts/networks from being blocked out by IDS/Threshold rule violations.
Addresses:
Available
Selected
lan_ip
lannet
dmz_ip
dmznet
wan1_ip
wan1net
>>
<<
Comments
Comments:
OK
Cancel

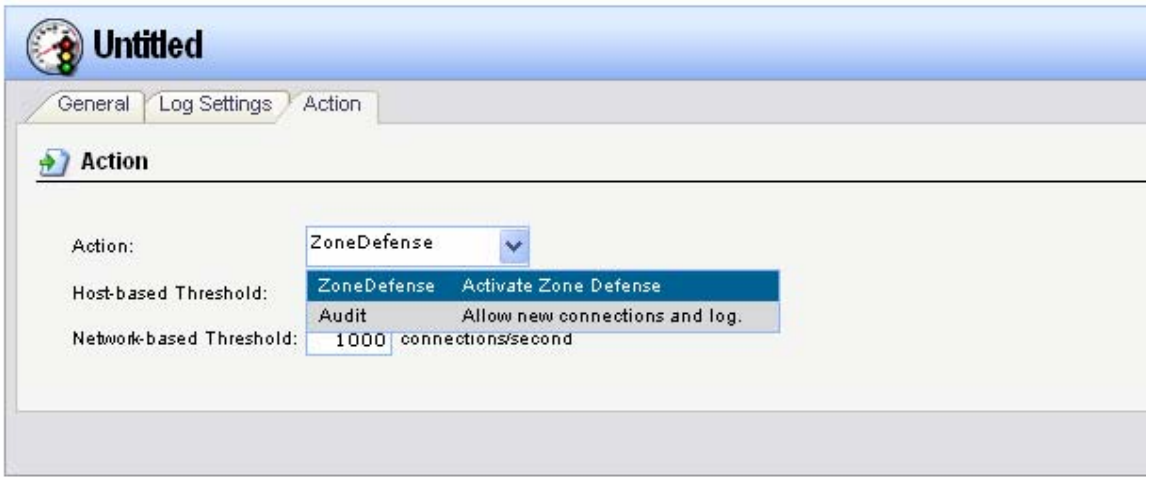

Home
Configuration
Tools
Status
Logout
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Switches
Exclude
Manual Blocking
Threshold
Manual Blocking
Define manually configured hosts/networks to be blocked on the switches either by default or based on schedule.
Add
Manual Block
Addresses Protocol Port Schedule Comments
Right-click on a row for further options.


Manual Block
General
Manually configured blocks are used to block a host/network on the switches either by default or based on schedule.
Addresses:
Available
Selected
lan_ip
lannet
dmz_ip
dmznet
wan1_ip
wan1net
>>
<<
Protocol:
All
Port:
Schedule:
(None)
Comments
Comments:
OK
Cancel


Home
Configuration
Tools
Status
Logout
Help
DFL-800
System
Objects
Rules
Interfaces
Routing
IDS / IDP
User Authentication
Traffic Shaping
Zone Defense
Switches
Exclude
Manual Blocking
Threshold
Threshold
Define threshold values and actions that the system will take when reaching those thresholds.
Add
Threshold
Name SourceInterface SourceNetwork DestinationInterface DestinationNetwork Service Action
Right-click on a row for further options.
Untitled
General
Log Settings
Action
General
Threshold defines a rule matching specific network traffic. When the rule criteria is met, the thresholds are evaluated and possible actions taken.
Name:
Untitled
Service:
(None)
Schedule:
(None)
Address Filter
Specify source interface and source network, together with destination interface and destination network. All parameters have to match for the rule to match.
Source
Destination
Interface:
(None)
(None)
Network:
(None)
(None)
Comments
Comments:
OK
Cancel


Untitled
General
Log Settings
Action
General
Select log receiver(s) and severity to enable logging for this object.
Enable logging:
Severity:
Notice
Log Receivers
Log to:
All receivers
Specific receiver(s):
Available
Selected
MemLog
>>
<<
OK
Cancel


Untitled
General
Log Settings
Action
Action
Action:
ZoneDefense
Host-based Threshold:
1000
connections/second
Network-based Threshold:
1000
connections/second
OK
Cancel


Untitled
General
Log Settings
Action
Action
Action:
ZoneDefense
Host-based Threshold:
ZoneDefense
Activate Zone Defense
Audit
Allow new connections and log.
Network-based Threshold:
1000
connections/second