

http://192.168.1.1 - D-Link DFL-700 - Administration Settings - Microsoft Internet Explorer provided by D-Link Austr...

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Building Networks for People

DFL-700
Network Security Firewall

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Administration Settings

Management web GUI ports
HTTP Port:
HTTPS Port:

For security reasons, it may be better to run the management web GUI on non-standard ports. Also note that if web-based user authentication is enabled, ports 80 and 443 will be taken; the management web GUI has to use other ports.

Apply **Cancel** **Help**

Select the interface / user you wish to edit from the below list.

Note that both the user settings and the interface settings limit what a user can do, so if a user with both admin and read-only rights logs on from a somewhere where only read-only access is allowed, the user will be allowed to log on, but will receive read-only access only.

Administrative access via LAN interface [\[Edit\]](#)
Ping: Any address
Admin: Any address (HTTP + HTTPS)
SNMP: Any address
Read Community: "public"

Add administrative access via:
Interface: [WAN](#), [DMZ](#)
VPN Tunnel:
VLAN Interface:

Internet

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Administration Settings

Edit administrative access via the **LAN** interface:

☒ **Ping** - standard ICMP echo to the IP address of the interface
Networks: Blank = Any

☒ **Admin** - Full access to web-based management
Networks: Blank = Any
Protocol: HTTP and HTTPS

☐ **Read-only** - Read-only access to web-based management
Networks: Blank = Any
Protocol: HTTP and HTTPS

☒ **SNMP** - Simple Network Management Protocol (read-only access)
Networks: Blank = Any
Community:

Note that you can specify multiple networks, e.g. "192.168.0.0/24, 10.0.0.5 - 10.0.0.9".

Apply **Cancel** **Help**

Select the interface / user you wish to edit from the below list.

Note that both the user settings and the interface settings limit what a user can do, so if a user with both admin and read-only rights logs on from a somewhere where only read-only access is allowed, the user will be allowed to log on, but will receive read-only access only.

Administrative access via **LAN** interface [\[Edit\]](#)

Ping: Any address
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Read Community: "public"

Add administrative access via:

Interface: [WAN](#), [DMZ](#)
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Internet

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Interface Settings

Pick an interface to edit from the below list:

Available interfaces

LAN [\[Edit\]](#)

WAN (Static) [\[Edit\]](#)

DMZ [\[Edit\]](#)



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Interface Settings

Edit settings of the LAN interface:

IP Address:192.168.1.1

Subnet Mask:255.255.255.0 - 256 hosts (/24)

255.255.255.248 - 8 hosts (/29)

255.255.255.240 - 16 hosts (/28)

255.255.255.224 - 32 hosts (/27)

255.255.255.192 - 64 hosts (/26)

255.255.255.128 - 128 hosts (/25)

255.255.255.0 - 256 hosts (/24)

255.255.254.0 - 512 hosts (/23)

255.255.252.0 - 1k hosts (/22)

Available interfaces

LAN255.255.248.0 - 2k hosts (/21)

255.255.240.0 - 4k hosts (/20)

255.255.224.0 - 8k hosts (/19)

WAN (Static)255.255.192.0 - 16k hosts (/18)

255.255.128.0 - 32k hosts (/17)

255.255.0.0 - 64k hosts (/16)

255.254.0.0 - 128k hosts (/15)

255.252.0.0 - 256k hosts (/14)

255.248.0.0 - 512k hosts (/13)

255.240.0.0 - 1M hosts (/12)

255.224.0.0 - 2M hosts (/11)

255.192.0.0 - 4M hosts (/10)

255.128.0.0 - 8M hosts (/9)

255.0.0.0 - 16M hosts (/8)

254.0.0.0 - 32M hosts (/7)

252.0.0.0 - 64M hosts (/6)

248.0.0.0 - 128M hosts (/5)

240.0.0.0 - 256M hosts (/4)

224.0.0.0 - 512M hosts (/3)

192.0.0.0 - 1G hosts (/2)

128.0.0.0 - 2G hosts (/1)

0.0.0.0 - 4G hosts (/0)

✓✗+

ApplyCancelHelp

Done

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Interface Settings

Edit settings of the LAN interface:

IP Address:192.168.1.1

Subnet Mask:255.255.255.0 - 256 hosts (/24)

255.255.255.248 - 8 hosts (/29)

255.255.255.240 - 16 hosts (/28)

255.255.255.224 - 32 hosts (/27)

255.255.255.192 - 64 hosts (/26)

255.255.255.128 - 128 hosts (/25)

255.255.255.0 - 256 hosts (/24)

255.255.254.0 - 512 hosts (/23)

255.255.252.0 - 1k hosts (/22)

255.255.248.0 - 2k hosts (/21)

255.255.240.0 - 4k hosts (/20)

255.255.224.0 - 8k hosts (/19)

255.255.192.0 - 16k hosts (/18)

255.255.128.0 - 32k hosts (/17)

255.255.0.0 - 64k hosts (/16)

255.254.0.0 - 128k hosts (/15)

255.252.0.0 - 256k hosts (/14)

255.248.0.0 - 512k hosts (/13)

255.240.0.0 - 1M hosts (/12)

255.224.0.0 - 2M hosts (/11)

255.192.0.0 - 4M hosts (/10)

255.128.0.0 - 8M hosts (/9)

255.0.0.0 - 16M hosts (/8)

254.0.0.0 - 32M hosts (/7)

252.0.0.0 - 64M hosts (/6)

248.0.0.0 - 128M hosts (/5)

240.0.0.0 - 256M hosts (/4)

224.0.0.0 - 512M hosts (/3)

192.0.0.0 - 1G hosts (/2)

128.0.0.0 - 2G hosts (/1)

0.0.0.0 - 4G hosts (/0)

✓✗+

ApplyCancelHelp

Available interfaces

LAN

WAN (Static)

DMZ

Done

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Interface Settings

Edit settings of the **WAN** interface:

Change WAN Type: Static IP

Static WAN interface configuration is most commonly used in dedicated-line internet connections. Your ISP usually provides this information to you.

IP Address: 192.168.10.148

Subnet Mask: 255.255.255.0 - 256 hosts (/24)

Gateway IP: 192.168.10.254

Primary DNS Server: 192.168.10.249

Secondary DNS Server: (optional)

☐ **Manual MAC Address** - change the hardware address of the interface

Some Internet service providers (ISPs) bind their service to a specific MAC address. In these cases you will have to change the MAC address of the firewall WAN interface. Input the address of the computer or network equipment that the service currently is bound to.

Warning! Do not change the hardware address unless the ISP requires it.

MAC Address: - - - - -

☐ **Traffic shaping** - interface speed limits

In order to do traffic shaping beyond simple limits, such as guarantees and priorities, the traffic shaper needs to know what the maximum bandwidth is. Throughput through this interface will be limited to these speeds. If the limits are set too high, traffic shaping will not work.

These settings should match the speed of your Internet connection.

Upstream bandwidth: kbit/s

Downstream bandwidth: kbit/s

☐ **Manual Interface MTU Configuration** - maximum size of packets sent via this interface

Normally, you do not need to change the MTU settings. By default, the interface uses the maximum size that the physical media supports.

MTU: bytes. Upper limit: 1500



Apply Cancel Help

Done Internet

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Interface Settings

Edit settings of the **WAN** interface:

Change WAN Type:

Regular ethernet connection with DHCP-assigned IP addresses is used in many DSL and cable modem networks. Everything is automatic.

☐ **Manual MAC Address** - change the hardware address of the interface

Some Internet service providers (ISPs) bind their service to a specific MAC address. In these cases you will have to change the MAC address of the firewall WAN interface. Input the address of the computer or network equipment that the service currently is bound to.

Warning! Do not change the hardware address unless the ISP requires it.

MAC Address: - - - - -

☐ **Traffic shaping** - interface speed limits

In order to do traffic shaping beyond simple limits, such as guarantees and priorities, the traffic shaper needs to know what the maximum bandwidth is. Throughput through this interface will be limited to these speeds. If the limits are set too high, traffic shaping will not work.
These settings should match the speed of your Internet connection.

Upstream bandwidth: kbit/s
Downstream bandwidth: kbit/s

☐ **Manual Interface MTU Configuration** - maximum size of packets sent via this interface

Normally, you do not need to change the MTU settings. By default, the interface uses the maximum size that the physical media supports.

MTU: bytes. Upper limit: 1500.

  
Apply **Cancel** **Help**

Available interfaces
LAN [\[Edit\]](#)
WAN (Static) [\[Edit\]](#)
DMZ [\[Edit\]](#)

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Interface Settings

Edit settings of the **WAN** interface:

Change WAN Type:

PPP over Ethernet connections are used in many DSL and cable modem networks. After authenticating, everything is automatic.

Username:

Password:

Retype Password:

Service Name:

(Some ISPs require the Service Name to be filled out.)

Most PPPoE services provide DNS server information. A few do not. If this is the case, you can fill out their IP addresses yourself.

Primary DNS Server: (optional)

Secondary DNS Server: (optional)

☐ **Manual MAC Address** - change the hardware address of the interface

Some Internet service providers (ISPs) bind their service to a specific MAC address. In these cases you will have to change the MAC address of the firewall WAN interface. Input the address of the computer or network equipment that the service currently is bound to.

Warning! Do not change the hardware address unless the ISP requires it.

MAC Address: - - - - -

☐ **Traffic shaping** - interface speed limits

In order to do traffic shaping beyond simple limits, such as guarantees and priorities, the traffic shaper needs to know what the maximum bandwidth is. Throughput through this interface will be limited to these speeds. If the limits are set too high, traffic shaping will not work.

[These settings should match the speed of your Internet connection.](#)

Upstream bandwidth: kbit/s

Downstream bandwidth: kbit/s

☐ **Manual Interface MTU Configuration** - maximum size of packets sent via this interface

Normally, you do not need to change the MTU settings. By default, the interface uses the maximum size that the physical media supports.

MTU: bytes. Upper limit: 1492.

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Interface Settings

Edit settings of the **WAN** interface:

Change WAN Type: Big Pond Cable Apply Change

Regular ethernet connection with DHCP-assigned IP address, plus authentication via a special protocol. Used by the ISP Telstra BigPond (BigPond Broadband Cable).

Username:

Password:

Retype Password:

Authenticaiton server (optional):

Authenticaiton domain (optional):

Authenticaiton server port (optional):

Leave authentication server settings blank to use default server, domain and port.

☐ **Traffic shaping** - interface speed limits

In order to do traffic shaping beyond simple limits, such as guarantees and priorities, the traffic shaper needs to know what the maximum bandwidth is. Throughput through this interface will be limited to these speeds. If the limits are set too high, traffic shaping will not work.
[These settings should match the speed of your Internet connection.](#)

Upstream bandwidth: kbit/s

Downstream bandwidth: kbit/s

☐ **Manual Interface MTU Configuration** - maximum size of packets sent via this interface

Normally, you do not need to change the MTU settings. By default, the interface uses the maximum size that the physical media supports.

MTU: bytes. Upper limit: 1500.

  
Apply Cancel Help

Available interfaces

LAN	[Edit]
WAN (Static)	[Edit]
DMZ	[Edit]

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Interface Settings

Edit settings of the **DMZ** interface:

IP Address:127.0.0.1

Subnet Mask:255.255.255.0 - 256 hosts (/24)

Available interfaces

LANWAN (Static)DMZ

255.255.255.255 - 1 host (/32)

255.255.255.254 - 2 hosts (/31)

255.255.255.252 - 4 hosts (/30)

255.255.255.248 - 8 hosts (/29)

255.255.255.240 - 16 hosts (/28)

255.255.255.224 - 32 hosts (/27)

255.255.255.192 - 64 hosts (/26)

255.255.255.128 - 128 hosts (/25)

255.255.255.0 - 256 hosts (/24)

255.255.254.0 - 512 hosts (/23)

255.255.252.0 - 1k hosts (/22)

255.255.248.0 - 2k hosts (/21)

255.255.240.0 - 4k hosts (/20)

255.255.224.0 - 8k hosts (/19)

255.255.192.0 - 16k hosts (/18)

255.255.128.0 - 32k hosts (/17)

255.255.0.0 - 64k hosts (/16)

255.254.0.0 - 128k hosts (/15)

255.252.0.0 - 256k hosts (/14)

255.248.0.0 - 512k hosts (/13)

255.240.0.0 - 1M hosts (/12)

255.224.0.0 - 2M hosts (/11)

255.192.0.0 - 4M hosts (/10)

255.128.0.0 - 8M hosts (/9)

255.0.0.0 - 16M hosts (/8)

254.0.0.0 - 32M hosts (/7)

252.0.0.0 - 64M hosts (/6)

248.0.0.0 - 128M hosts (/5)

240.0.0.0 - 256M hosts (/4)

224.0.0.0 - 512M hosts (/3)

✓✗+

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Routing Table

Pick a route to edit from the below list:

Note that routing table ordering does not matter; smaller routes are always picked above larger ones.


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Interface	Network	Gateway	Additional IP	Proxy ARP
LAN	192.168.1.0/24			[Edit]
WAN	192.168.10.0/24			[Edit]
WAN	0.0.0.0/0	192.168.10.254		[Edit]
DMZ	127.0.0.0/24			[Edit]

[\[Add new\]](#)

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Routing Table

Edit **new** route:Interface: Network: Subnet Mask: - 256 hosts (/24)Gateway: ☐ Network is behind remote gateway
Proxy ARP: ☐ Publish network on all other interfaces via Proxy ARPAdditional IP: ☐ Additional firewall IP address that hosts can use as gateway:


Apply



Cancel



Help

Routing table

Interface	Network	Gateway	Additional IP	Proxy ARP
LAN	192.168.1.0/24			[Edit]
WAN	192.168.10.0/24			[Edit]
WAN	0.0.0.0/0	192.168.10.254		[Edit]
DMZ	127.0.0.0/24			[Edit]

[\[Add new\]](#)

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Logging Settings

☒ **Syslog** - send log data via the syslog protocol to one or two servers

If both servers are configured, logs will be sent to both at the same time.

Syslog server 1:

Syslog server 2: (optional)

Syslog facility:

☒ **Enable audit logging**

The firewall normally logs denied packets. With audit logging enabled, it will also log when allowed connections open and close.

☐ **Enable E-mail alerting for IDS/IDP events**

Sensitivity:

SMTP Server:

Sender:

E-Mail Address 1:

E-Mail Address 2:

E-Mail Address 3:

 **Apply**

 **Cancel**

 **Help**

Done

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Time Settings

Current time and date

☐ Set the system time

Date: 21Dec2006

Time: 23:56:46 (24 hour time)

Time zone and daylight saving time settings

Time zone: (GMT) Dublin, Edinburgh, Lisbon, London, Casablanca, Monrovia

☒ No daylight saving time

☐ Apply daylight saving time from: Jan01... to: Jan01

Automatic time synchronization

☐ Enable NTP

Primary NTP Server:

Secondary NTP Server: (optional)

Note: The Current time and date and Time zone settings above will be applied instantly, and do not require Activate Changes.

✓

✗

+

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Firewall Policy

Select which policy to edit:

- [Global policy parameters](#)
- [LAN->WAN](#) policy - 4 rules, NAT enabled
- [WAN->LAN](#) policy - 0 rules
- [LAN->DMZ](#) policy - 3 rules
- [DMZ->LAN](#) policy - 0 rules
- [WAN->DMZ](#) policy - 0 rules
- [DMZ->WAN](#) policy - 4 rules, NAT enabled



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Firewall Policy

Edit global policy parameters:

Fragments: ☐ Drop all fragmented packets

Minimum TTL:

VPN: ☒ Allow all VPN traffic: internal->VPN, VPN->internal and VPN->VPN.



Apply



Cancel



Help



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Firewall Policy

Show policy: [LAN->WAN](#) [LAN->DMZ](#) [WAN->DMZ](#)
[WAN->LAN](#) [DMZ->LAN](#) [DMZ->WAN](#)

Settings for LAN->WAN policy:

- NAT: ☒ Hide source addresses (many-to-one NAT)
☐ No NAT - requires public IP addresses on LAN network.

Apply Cancel Help

Select "Add New" below, or select a rule from the list to edit it:

LAN->WAN Policy

Name	Action	Source	Destination	Service	Move
#1 drop_smb-all	Allow	Any	Any	smb-all	↓ [Edit]
#2 allow_ping-outbound	Allow	Any	Any	ping-outbound	↑↓ [Edit]
#3 allow_ftp-passthrough	Allow	Any	Any	ftp-passthrough	↑↓ [Edit]
#4 allow_standard	Allow	Any	Any	All Protocols	↑ [Edit]

[\[Add new\]](#)Order of evaluation
↓

If no rule matches, the connection will be denied and logged.



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Show policy: [LAN->WAN](#) [LAN->DMZ](#) [WAN->DMZ](#)
[WAN->LAN](#) [DMZ->LAN](#) [DMZ->WAN](#)

Settings for LAN->DMZ policy:

NAT: ☐ Hide source addresses (many-to-one NAT)
☒ No NAT



Apply



Cancel



Help

Select "Add New" below, or select a rule from the list to edit it:

LAN->DMZ Policy

Name	Action	Source	Destination	Service	Move	
#1 allow_ping-outbound	Allow	Any	Any	ping-outbound	↓	[Edit]
#2 allow_ftp-passthrough	Allow	Any	Any	ftp-passthrough	↑↓	[Edit]
#3 allow_standard	Allow	Any	Any	All Protocols	↑	[Edit]
[Add new]						

Order of evaluation
↓

If no rule matches, the connection will be denied and logged.



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Firewall Policy

Show policy: [LAN->WAN](#) [LAN->DMZ](#) [WAN->DMZ](#)
[WAN->LAN](#) [DMZ->LAN](#) [DMZ->WAN](#)

Note: Hosts on the DMZ network are NATed. Writing rules that allow traffic from the Internet to hosts with private addresses will not work.

Select "Add New" below, or select a rule from the list to edit it:

WAN->DMZ Policy

Name	Action	Source	Destination	Service	Move
[Add new]					

Order of evaluation
↓

If no rule matches, the connection will be denied and logged.



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Firewall Policy

Show policy: [LAN->WAN](#) [LAN->DMZ](#) [WAN->DMZ](#)
[WAN->LAN](#) [DMZ->LAN](#) [DMZ->WAN](#)

Note: Hosts on the LAN network are NATed. Writing rules that allow traffic from the Internet to hosts with private addresses will not work.

Select "Add New" below, or select a rule from the list to edit it:

WAN->LAN Policy

Name	Action	Source	Destination	Service	Move
Add new					

Order of evaluation

If no rule matches, the connection will be denied and logged.

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Show policy: [LAN->WAN](#) [LAN->DMZ](#) [WAN->DMZ](#)
[WAN->LAN](#) [DMZ->LAN](#) [DMZ->WAN](#)

Settings for DMZ->LAN policy:

NAT: ☐ Hide source addresses (many-to-one NAT)
☒ No NAT



Apply



Cancel



Help

Select "Add New" below, or select a rule from the list to edit it:

DMZ->LAN Policy

Name	Action	Source	Destination	Service	Move
[Add new]					

Order of evaluation
↓

If no rule matches, the connection will be denied and logged.



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Show policy: [LAN->WAN](#) [LAN->DMZ](#) [WAN->DMZ](#)
[WAN->LAN](#) [DMZ->LAN](#) [DMZ->WAN](#)

Settings for DMZ->WAN policy:

- NAT: ☒ Hide source addresses (many-to-one NAT)
☐ No NAT - requires public IP addresses on DMZ network.



Apply



Cancel



Help

Select "Add New" below, or select a rule from the list to edit it:

DMZ->WAN Policy

Name	Action	Source	Destination	Service	Move
#1 drop_smb-all	Drop	Any	Any	smb-all	↓ [Edit]
#2 allow_ping-outbound	Allow	Any	Any	ping-outbound	↑↓ [Edit]
#3 allow_ftp-passthrough	Allow	Any	Any	ftp-passthrough	↑↓ [Edit]
#4 allow_standard	Allow	Any	Any	All Protocols	↑ [Edit]

[\[Add new\]](#)Order of evaluation
↓

If no rule matches, the connection will be denied and logged.

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Port Mapping / Virtual Servers

Select "Add New" to create a new port mapping, or select a mapping to edit from the below list:



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Configured mappings:

Name	Source	Destination	Service	Pass to
Add new				



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Port Mapping / Virtual Servers

Edit **new** mapping :

Name:

Source Nets: Blank = everyone

... Users/Groups: "Any" = Any authenticated

Destination IP: Blank = WAN interface IP address

Service:

Custom source ports: Blank = any port

... destination ports:

... pass to port: ... and up. Blank=no change.

Pass To:

Schedule:

☐ **Intrusion Detection / Prevention:**

Mode:

Alerting: ☐ Enable IDS/IDP alerting via email for this rule

☐ **Traffic shaping** - limits and guarantees for WAN traffic:

	Limit	Guarantee
Upstream:	kbit/s	kbit/s
Downstream:	kbit/s	kbit/s

Priority:

Note that priorities and guarantees will only work if the traffic limits for the WAN interface are configured correctly. Simple limits will however always work.



Apply Cancel Help

Done Internet

**DFL-700**
Network Security Firewall

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User Management☐ **Enable User Authentication via HTTP / HTTPS**HTTP Security: ☒ HTTP as well as HTTPS☐ HTTPS only

Idle Timeout: 2 hours

Authentication source:☒ **Local database**☐ **RADIUS server**Primary Server: port 1812Secondary Server: port 1812

Mode: PAP

Shared Secret: Retype Secret:

RADIUS retry: 2 seconds

Note: Administration of this unit can only be made by administrative users in the local database.



Apply



Cancel



Help

Select a user to edit from the below list, or select "Add new":

Administrative users

Admin: [admin](#)[\[Add\]](#)

Read-only:

[\[Add\]](#)

Users in local database

User name	Groups	Client IP
[Add new]		



DFL-700 Network Security Firewall

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User Management

Add new user:

User name: Group membership: Password: Retype password:

L2TP/PPTP settings:

Static client IP:

If empty, the IP address will be taken from the server's IP pool

Networks behind user: 

Apply



Cancel



Help

Select a user to edit from the below list, or select "Add new":

Administrative users

Admin: [admin](#)[\[Add\]](#)

Read-only:

[\[Add\]](#)

Users in local database

User name	Groups	Client IP
[Add new]		



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Manage Schedules

Pick a schedule to edit from the below list:



Help

Available schedules

Name	Start	Stop
[Add new]		



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Manage Schedules

Edit **new** schedule:

Name:

Active from: 22 Dec 2006 Hour: 00

Active to: 23 Dec 2006 Hour: 00 (inclusive)

	06:00				12:00				18:00				All
Mo:	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Tu:	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
We:	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Th:	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Fr:	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Sa:	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒
Su:	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒	☒



Apply



Cancel



Help

Defined schedules

Name Start Stop
[\[Add new\]](#)



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Services Settings

Pick a service to edit from the below list:



Help

Defined services

Name	Parameters	
igmp	IP Protocol: 2	[Edit]
rsvp	IP Protocol: 46	[Edit]
gre-encap	IP Protocol: 47	[Edit]
ipsec-esp	IP Protocol: 50	[Edit]
ipsec-ah	IP Protocol: 51	[Edit]
ipsec-natt	UDP: All -> 4500	[Edit]
ipip-encap	IP Protocol: 94	[Edit]
ipcomp	IP Protocol: 108	[Edit]
l2tp-encap	IP Protocol: 115	[Edit]
echo	TCP/UDP: All -> 7	[Edit]
chargen	TCP/UDP: All -> 19	[Edit]
ssh	TCP: All -> 22	[Edit]
ssh-in	TCP: All -> 22 SYN Relay	[Edit]
telnet	TCP: All -> 23	[Edit]
smtp	TCP: All -> 25	[Edit]
smtp-in	TCP: All -> 25 SYN Relay	[Edit]
time	TCP/UDP: All -> 37	[Edit]
dns-tcp	TCP: All -> 53	[Edit]
dns-udp	UDP: All -> 53	[Edit]
dns-all	TCP/UDP: All -> 53	[Edit]
bootps	UDP: All -> 67	[Edit]
bootpc	UDP: All -> 68	[Edit]
tftp	UDP: All -> 69	[Edit]
gopher	TCP: All -> 70	[Edit]
finger	TCP: All -> 79	[Edit]
http	TCP: All -> 80	[Edit]
https	TCP: All -> 443	[Edit]
http-in	TCP: All -> 80 SYN Relay	[Edit]
https-in	TCP: All -> 443 SYN Relay	[Edit]
http-outbound	TCP: All -> 80 ALG: "http-cf", max 100	[Edit]
pop3	TCP: All -> 110	[Edit]
sun-rpc	TCP: All -> 111	[Edit]
ident	TCP: All -> 113	[Edit]
nntp	TCP: All -> 119	[Edit]
ntp	TCP/UDP: All -> 123	[Edit]
epmap	TCP/UDP: All -> 135	[Edit]
netbios-name	UDP: All -> 137	[Edit]



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VPN Tunnels

Pick a VPN tunnel to edit from the below list:

[Help](#)

IPsec Tunnels

Name	Local Net	Remote Net	Remote Gateway
[Add new]			

L2TP / PPTP Client

Name	Type	Remote Gateway	User	IPsec
[Add new PPTP client]				
[Add new L2TP client]				

L2TP / PPTP Server

Name	Type	Outer IP	Inner IP	IPsec
[Add new PPTP server]				
[Add new L2TP server]				



http://192.168.1.1 - D-Link DFL-700 - VPN Tunnels - Microsoft Internet Explorer provided by D-Link Australia

File Edit View Favorites Tools Help



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VPN Tunnels

Add IPsec tunnel :

Name:

Local Net:

Authentication:

☒ **PSK - Pre-Shared Key**

PSK:

Retype PSK:

☐ **Certificate-based**

Local Identity:

Certificates:

Use ctrl/shift click to select multiple certificates.
To use ID lists below, you must select a CA certificate.

Identity List:

Tunnel type:

☐ **Roaming Users** - single-host IPsec clients

IKE XAuth: ☐ Require user authentication via IKE XAuth to open tunnel.

☒ **LAN-to-LAN tunnel**

Remote Net:

Remote Gateway:

The gateway can be a numerical IP address, DNS name, or range of IP addresses for roaming / NATed gateways.

Route: ☒ Automatically add a route for the remote network.

Proxy ARP: ☐ Publish remote network on all interfaces via Proxy ARP.

IKE XAuth client: ☐ Pass username and password to peer via IKE XAuth, if the remote gateway requires it.

XAuth Username:

XAuth Password:



http://192.168.1.1 - D-Link DFL-700 - VPN Tunnels - Microsoft Internet Explorer provided by D-Link Australia

File Edit View Favorites Tools Help

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Limit MTU: 1424

IKE Mode: ☒ Main mode IKE
☐ Aggressive mode IKE

IKE DH Group: 2 - modp 1024-bit

PFS: ☐ Enable Perfect Forward Secrecy

PFS DH Group: 2 - modp 1024-bit

NAT Traversal: ☐ Disabled.
☒ On if supported and needed (NAT detected between gateways)
☐ On if supported

Keepalives: ☒ No keepalives.
☐ Automatic keepalives (works with other DFL-200/700/1100 units)
☐ Manually configured keepalives:
Source IP:
Destination IP:

IKE Proposal List

	Cipher	Hash	Life KB	Life Sec
#1:	AES-128 Allowed:128-256	SHA-1	0	28800
#2:	AES-128 Allowed:128-256	MD5	0	28800
#3:	3DES	SHA-1	0	28800
#4:	3DES	MD5	0	28800
#5:	DES	SHA-1	0	28800
#6:	DES	MD5	0	28800
#7:	-	MD5	0	0
#8:	-	MD5	0	0

IPsec Proposal List

	Cipher	HMAC	Life KB	Life Sec
#1:	AES-128 Allowed:128-256	SHA-1	0	3600
#2:	AES-128 Allowed:128-256	MD5	0	3600
#3:	3DES	SHA-1	0	3600
#4:	3DES	MD5	0	3600
#5:	DES	SHA-1	0	3600
#6:	DES	MD5	0	3600
#7:	-	MD5	0	0
#8:	-	MD5	0	0

Done Internet

http://192.168.1.1 - D-Link DFL-700 - L2TP/PPTP Servers - Microsoft Internet Explorer provided by D-Link Australia

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L2TP/PPTP Servers

Add **PPTP** tunnel :

Name:

Outer IP: Blank = WAN IP
Must be WAN IP if IPsec encryption is required

Inner IP: Blank = LAN IP

IP Pool and settings:

Client IP Pool:

☒ Proxy ARP dynamically added routes

Primary DNS: (Optional)

Secondary DNS: (Optional)

☒ Use unit's own DNS relay addresses

Primary WINS: (Optional)

Secondary WINS: (Optional)

Authentication protocol:

☐ No authentication

☒ PAP

☒ CHAP

☒ MSCHAP (MPPE encryption possible)

☒ MSCHAPv2 (MPPE encryption possible)

MPPE encryption:

☐ None - unencrypted

☒ 40 bit

☒ 56 bit

☒ 128 bit (best security)

Encryption is only possible when using MSCHAP or MSCHAPv2 as authentication protocol

☐ **Require IPsec encryption**

☒ **PSK - Pre-Shared Key**

Key:

Retype key:

☐ **Certificate based**

Done Internet

http://192.168.1.1 - D-Link DFL-700 - L2TP/PPTP Servers - Microsoft Internet Explorer provided by D-Link Australia

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L2TP/PPTP Servers

Add L2TP tunnel :

Name:

Outer IP: Blank = WAN IP
Must be WAN IP if IPsec encryption is required

Inner IP: Blank = LAN IP

IP Pool and settings:

Client IP Pool:

☒ Proxy ARP dynamically added routes

Primary DNS: (Optional)

Secondary DNS: (Optional)

☒ Use unit's own DNS relay addresses

Primary WINS: (Optional)

Secondary WINS: (Optional)

Authentication protocol:

☐ No authentication

☒ PAP

☒ CHAP

☒ MSCHAP (MPPE encryption possible)

☒ MSCHAPv2 (MPPE encryption possible)

MPPE encryption:

☐ None - unencrypted

☒ 40 bit

☒ 56 bit

☒ 128 bit (best security)

Encryption is only possible when using MSCHAP or MSCHAPv2 as authentication protocol

☒ **Require IPsec encryption**

☒ **PSK - Pre-Shared Key**

Key:

Retype key:

☐ **Certificate based**

Done Internet

http://192.168.1.1 - D-Link DFL-700 - L2TP/PPTP Clients - Microsoft Internet Explorer provided by D-Link Australia

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L2TP/PPTP Clients

Add PPTP Client :

Name:

Basic settings:

Username:

Password:

Retype Password:

Interface IP: Blank = get IP from server

Remote Gateway:

Remote Net:

Proxy ARP ☒ Publish remote network on all interfaces via Proxy ARP.

☒ Use primary DNS server from tunnel as primary DNS

☐ Use secondary DNS server from tunnel as secondary DNS

Hint: Use Servers -> DNS Relay to easily make DNS servers available to internal clients.

☐ **Dial on demand**

Idle timeout: minutes

☒ Count sending as activity

☐ Count receiving as activity

☐ Count both as activity

Authentication:

Protocol: ☐ No auth

☒ PAP

☒ CHAP

☒ MSCHAP (MPPE encryption possible)

☒ MSCHAPv2 (MPPE encryption possible)

MPPE encryption:

☒ None

☒ 40 bit

☒ 56 bit

☒ 128 bit

Encryption is only possible when using MSCHAP or MSCHAPv2 as authentication protocol

☐ **Use IPsec encryption**

Done Internet

http://192.168.1.1 - D-Link DFL-700 - L2TP/PPTP Clients - Microsoft Internet Explorer provided by D-Link Australia

File Edit View Favorites Tools Help

Content Filtering

☐ **Dial on demand**

Idle timeout: minutes

☐ Count sending as activity
☐ Count receiving as activity
☐ Count both as activity

Authentication:

Protocol: ☐ No auth
☒ PAP
☒ CHAP
☒ MSCHAP (MPPE encryption possible)
☒ MSCHAPv2 (MPPE encryption possible)

MPPE encryption:

☒ None
☒ 40 bit
☒ 56 bit
☒ 128 bit

Encryption is only possible when using MSCHAP or MSCHAPv2 as authentication protocol

☐ **Use IPsec encryption**

☒ **PSK - Pre-Shared Key**

Key:
Retype key:

☐ **Certificate based**

Local Identity:

Certificates:

Use ctrl/shift click to select multiple certificates.
To use ID lists below, you must select a CA certificate.

Identity List:

Changes:
Activate

  
Apply Cancel Help

Internet

http://192.168.1.1 - D-Link DFL-700 - Manage Certificates - Microsoft Internet Explorer provided by D-Link Australia

File Edit View Favorites Tools Help



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Manage Certificates

In order to do certificate-based authentication, first of all, you need to be able to identify yourself using a certificate to which you have the private key.

You also need:

- Copies of self-signed certificates of known peers, and/or
- One or more Certificate Authority certificates, and lists of identities that they have signed.

These aspects can all be configured through the below lists:

 **Help**

Local identities (certificates to which you have the private key)

Name	Subject	Expires	Issuer	
Admin	CN=000F3D55C218	2032-01-20	CN=000F3D55C218	[Edit]
[Add new]				

Certificates of remote peers

Name	Subject	Expires	Issuer
[Add new]			

Certificate Authorities

Name	Subject	Expires	Issuer
[Add new]			

Identities (lists of names signed by CAs)

List name	Members
[Add new]	

Internet

http://192.168.1.1 - D-Link DFL-700 - HTTP Content Filtering - Microsoft Internet Explorer provided by D-Link Australia

File Edit View Favorites Tools Help



Building Networks for People





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HTTP Content Filtering

Changes to these settings affect services that use the "HTTP/HTML Content Filtering" ALG. By default, this includes the "http-outbound" service.

Global Destination URL Whitelist:

URLs matching the global whitelist are excluded from all the below checks.
Contents: 10 entries
[\[Edit global URL whitelist\]](#)

Destination URL Blacklist:

Attempts to access URLs matching the blacklist is blocked.
Contents: 115 entries
[\[Edit URL blacklist\]](#)

Active content handling:

☐ Strip ActiveX objects (including Flash)

☐ Strip Java applets

☐ Strip Javascript/VBScript

☐ Block Cookies

☐ Block Invalid Formatted UTF-8 Characters

Warning:

None of the policy rules use a service with the "HTTP/HTML Content Filtering" ALG!

Apply Cancel Help

Internet

http://192.168.1.1 - D-Link DFL-700 - HTTP Content Filtering - Microsoft Internet Explorer provided by D-Link Australia

File Edit View Favorites Tools Help



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HTTP Content Filtering

Edit Destination URL Global Whitelist:

To allow access to a whole domain, use e.g. `"*.safesite.com/*"`. Note the ending slash, which protects against someone setting up e.g. `"www.safesite.com.dyndnsprovider.net"` as an alias for an otherwise disallowed site.

Blank lines are ignored. Lines beginning with `"#"` are also ignored.

Access to sites that are important for software updates and
require cookies / scripts:

d-link.com/*
.d-link.com/

dlink.com/*
.dlink.com/

d-link.com.tw/*
.d-link.com.tw/

dlink.com.tw/*
.dlink.com.tw/

microsoft.com/*
.microsoft.com/

ApplyCancelHelp

DoneInternet

http://192.168.1.1 - D-Link DFL-700 - HTTP Content Filtering - Microsoft Internet Explorer provided by D-Link Australia

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HTTP Content Filtering

Edit Destination URL Global Blacklist:

The URL blacklist can be used to deny access to complete sites, to file types by extension, or to URLs with certain words in them.

Use e.g. `"example.org/*"` to disallow access to an entire site.

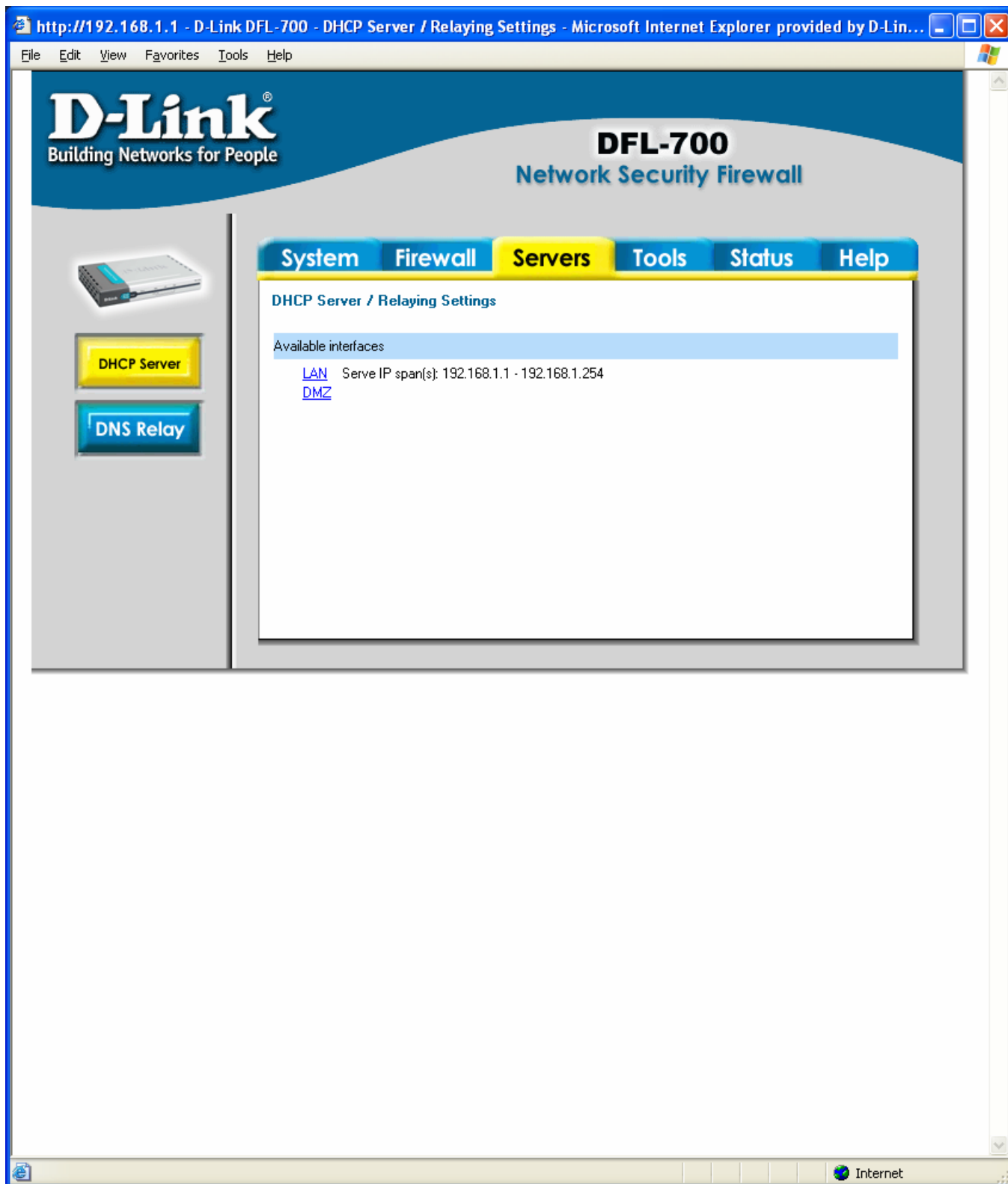
Blank lines and lines beginning with `"#"` are ignored.

```
#
# Example for blocking all access to a whole site:
# example.com/*
# *.example.com/*
#
# Or, a shorter variant that runs the risk of blocking sites whose
# names end with the same text:
# *.example.com/*
#
#
# Deny access to potentially dangerous file types:
#
# Malicious executables can be downloaded by exploits
# *.exe
# *.scr
# *.cpl
# *.pif
# *.com -- probably not a good idea given the .com TLD
```

Apply Cancel Help

Done Internet



http://192.168.1.1 - D-Link DFL-700 - DHCP Server / Relaying Settings - Microsoft Internet Explorer provided by D-Lin...

File Edit View Favorites Tools Help

Building Networks for People

DHCP Server
DNS Relay

System **Firewall** **Servers** **Tools** **Status** **Help**

DHCP Server / Relaying Settings

DHCP server / relaying settings for **LAN** interface:

☐ **No DHCP processing**
The unit will ignore DHCP requests heard on this interface.

☒ **Use built-in DHCP Server:**

IP Span:

DNS Servers:
 (optional)
☒ Use unit's own DNS relay addresses

WINS Servers: (optional)
 (optional)
WINS servers are used for name resolution in windows networks.

Domain name: (optional)

Lease time:

The gateway will be set to the IP address of the receiving interface.

☐ **Relay DHCP requests to other DHCP server:**
Server IP:

☐ **Relay DHCP requests to other interface with DHCP server:**
Interface:

Available interfaces

LAN	Serve IP span(s): 192.168.1.1 - 192.168.1.254
DMZ	

Done Internet

http://192.168.1.1 - D-Link DFL-700 - DHCP Server / Relaying Settings - Microsoft Internet Explorer provided by D-Lin...

File Edit View Favorites Tools Help

Building Networks for People

DHCP Server
DNS Relay

System **Firewall** **Servers** **Tools** **Status** **Help**

DHCP Server / Relaying Settings

DHCP server / relaying settings for **DMZ** interface:

☒ **No DHCP processing**
The unit will ignore DHCP requests heard on this interface.

☐ **Use built-in DHCP Server:**

IP Span:

DNS Servers:
 (optional)
☒ Use unit's own DNS relay addresses

WINS Servers: (optional)
 (optional)
WINS servers are used for name resolution in windows networks.

Domain name: (optional)

Lease time:

The gateway will be set to the IP address of the receiving interface.

☐ **Relay DHCP requests to other DHCP server:**

Server IP:

☐ **Relay DHCP requests to other interface with DHCP server:**

Interface:

Available interfaces
[LAN](#) Serve IP span(s): 192.168.1.1 - 192.168.1.254
[DMZ](#)

Done Internet

http://192.168.1.1 - D-Link DFL-700 - DNS Relay - Microsoft Internet Explorer provided by D-Link Australia

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Building Networks for People



DHCP Server

DNS Relay

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DNS Relay

The DNS Relay can provide DNS service on up to two fixed local IP addresses. These can be used as DNS servers by computers on the LAN.

☒ Enable DNS Relay

IP Address 1:

☒ Use address of LAN interface

IP Address 2: (optional)

The requests will be relayed to the DNS servers that this unit itself uses.

ApplyCancelHelp

 Internet



http://192.168.1.1 - D-Link DFL-700 - Dynamic DNS Registration via HTTP - Microsoft Internet Explorer provided by ...

FileEditViewFavoritesToolsHelp



Building Networks for People





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Dynamic DNS Registration via HTTP

The unit can automatically register its external IP address with a DynDNS service so that it can be located via its DNS name. This is useful for e.g. VPN tunnels between gateways with dynamic IP addresses.

☒ Disabled

☐ [cjb.net](#)

Username:

(hostname becomes `username.cjb.net`)

Password:

☐ [dyns.cx](#)

Hostname:

Username:

Password:

☐ [dyndns.org](#)

Hostname:

Username:

Password:

☐ Custom - up to 3 HTTP requests, posted in sequence
To use HTTP POST rather than GET, use "httppost://" rather than "http://".

URL 1:

URL 2:

URL 3:

Repeat:

minutes

Example: `http://user:pass@svc.example.com/path?arg1=val1&arg2=val2`

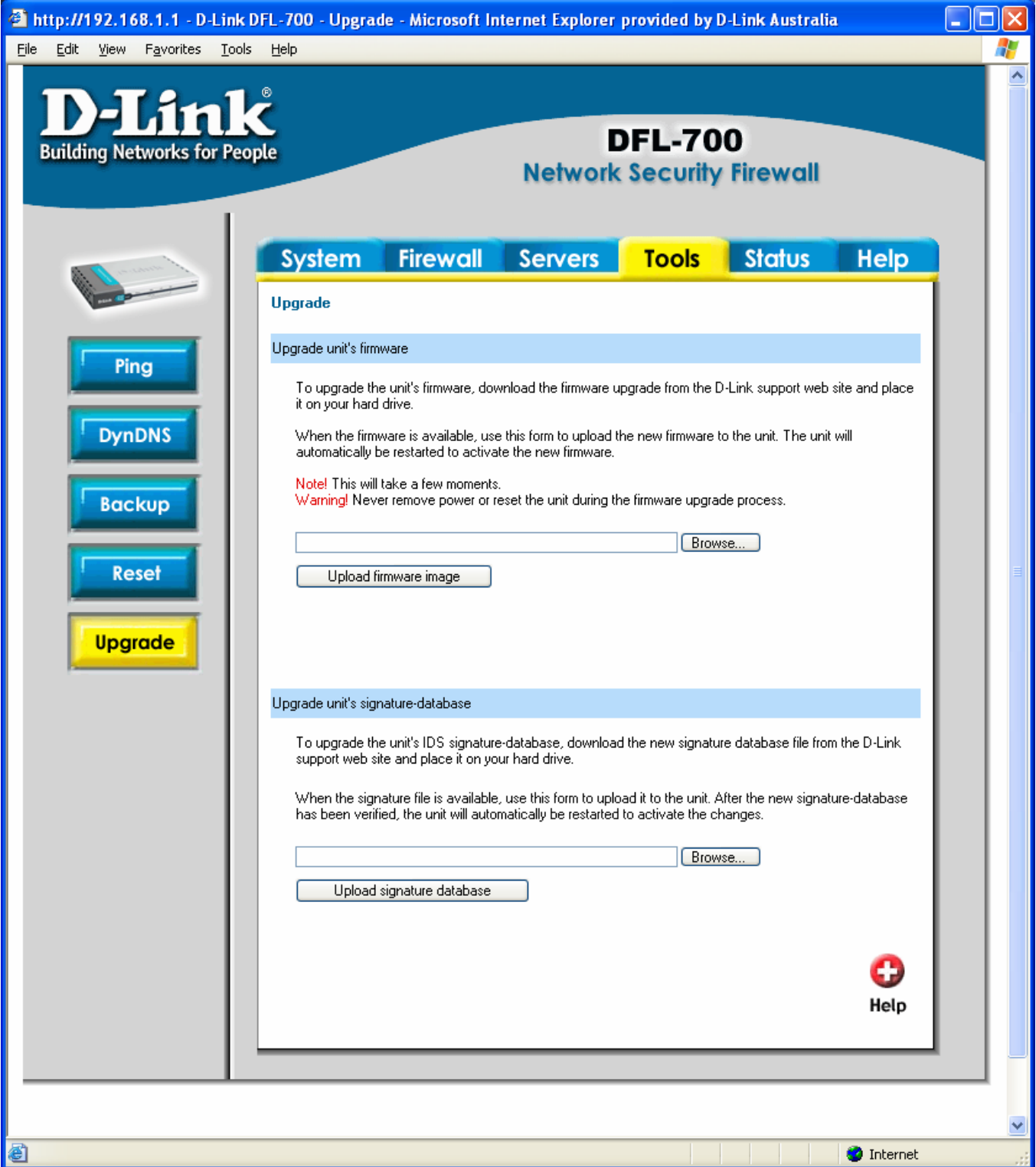
  

ApplyCancelHelp

Internet







http://192.168.1.1 - D-Link DFL-700 - System Status - Microsoft Internet Explorer provided by D-Link Australia

FileEditViewFavoritesToolsHelp



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System Status

Uptime: 0 days, 00:12:28

Time: 2006-12-22 00:04:07

Configuration: Version 5, last changed at 2006-11-30 00:30:19 by "admin" from 192.168.1.2

Firmware version: 1.34.00

Last restart: 2006-12-22 00:50:50: Firmware upgrade request by admin (192.168.1.115) completed

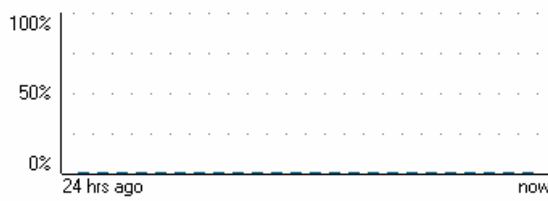
IDS signatures: Last changed at 2006-02-15 12:58:35

IDS auto update: Autoupdate disabled.

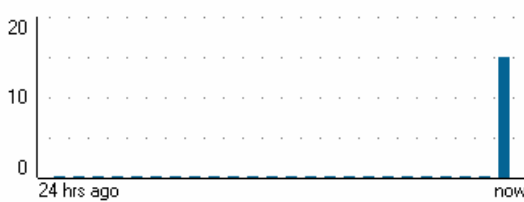
Resources

CPU Load:	0%	
RAM:	18 / 62 MB	
Connections:	22 / 10000	
VPN:	0 / 200	
Rules:	11 / 1000	

CPU load over the past 24 hours



State table usage over the past 24 hours



 Help

Done

Internet

http://192.168.1.1 - D-Link DFL-700 - Interface Status - Microsoft Internet Explorer provided by D-Link Australia

FileEditViewFavoritesToolsHelp

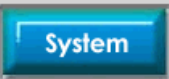


Building Networks for People





System



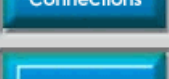
Interfaces



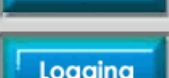
VPN



Connections



DHCP Server



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Interface Status

Interface: [LAN](#) [WAN](#) [DMZ](#)

Interface: **LAN**
IP Address: 192.168.1.1
Link status: 100 Mbps full Duplex (autonegotiated)
MAC Address: 000f:3d55:c219
Send rate: 16 kbps
Receive rate: 1 kbps

Send rate over the past 24 hours

Receive rate over the past 24 hours




Help

Done

Internet

http://192.168.1.1 - D-Link DFL-700 - Interface Status - Microsoft Internet Explorer provided by D-Link Australia

FileEditViewFavoritesToolsHelp



Building Networks for People





System



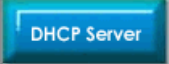
Interfaces



VPN



Connections



DHCP Server



Logging



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Interface Status

Interface: [LAN](#) **WAN** [DMZ](#)

Interface: **WAN**

IP Address: 192.168.10.148

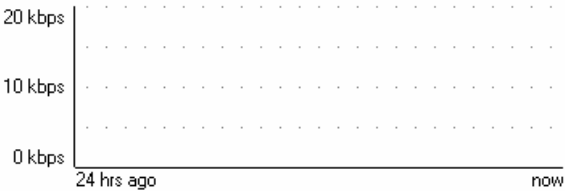
Link status: Unknown (no link detected)

MAC Address: 000f:3d55:c21a

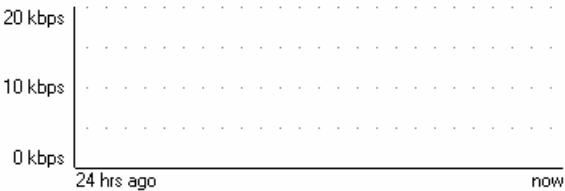
Send rate: 0 kbps

Receive rate: 0 kbps

Send rate over the past 24 hours



Receive rate over the past 24 hours





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Done

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http://192.168.1.1 - D-Link DFL-700 - Interface Status - Microsoft Internet Explorer provided by D-Link Australia

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Interface Status

Interface: [LAN](#) [WAN](#) [DMZ](#)

Interface: **DMZ**

IP Address: 127.0.0.1

Link status: Unknown (no link detected)

MAC Address: 000f:3d55:c218

Send rate: 0 kbps

Receive rate: 0 kbps

Send rate over the past 24 hours



Receive rate over the past 24 hours





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VPN Status

No VPN tunnels have been configured.

Done

Internet



Help

Filter state table display:

Filter state table display:

Source

Destination

IP Address:

--	--

Interface:

Any Any

IP Protocol Any ▼

Any

Port:

10

10



Apply



Help

State table contents (max 100 entries)

State	Proto	Source	Destination	Timeout
PING	ICMP	LAN:192.168.1.115:768	core:192.168.1.1:768	8
FIN_RCVd	TCP	LAN:192.168.1.115:4179	core:192.168.1.1:80	28
FIN_RCVd	TCP	LAN:192.168.1.115:4180	core:192.168.1.1:80	28
FIN_RCVd	TCP	LAN:192.168.1.115:4183	core:192.168.1.1:80	42
FIN_RCVd	TCP	LAN:192.168.1.115:4181	core:192.168.1.1:80	36
FIN_RCVd	TCP	LAN:192.168.1.115:4188	core:192.168.1.1:80	52
FIN_RCVd	TCP	LAN:192.168.1.115:4191	core:192.168.1.1:80	67
FIN_RCVd	TCP	LAN:192.168.1.115:4185	core:192.168.1.1:80	46
FIN_RCVd	TCP	LAN:192.168.1.115:4189	core:192.168.1.1:80	63
FIN_RCVd	TCP	LAN:192.168.1.115:4178	core:192.168.1.1:80	19
FIN_RCVd	TCP	LAN:192.168.1.115:4192	core:192.168.1.1:80	71
FIN_RCVd	TCP	LAN:192.168.1.115:4174	core:192.168.1.1:80	1
FIN_RCVd	TCP	LAN:192.168.1.115:4173	core:192.168.1.1:80	1
FIN_RCVd	TCP	LAN:192.168.1.115:4190	core:192.168.1.1:80	63
FIN_RCVd	TCP	LAN:192.168.1.115:4175	core:192.168.1.1:80	2
FIN_RCVd	TCP	LAN:192.168.1.115:4182	core:192.168.1.1:80	36
FIN_RCVd	TCP	LAN:192.168.1.115:4184	core:192.168.1.1:80	42
FIN_RCVd	TCP	LAN:192.168.1.115:4193	core:192.168.1.1:80	76
TCP_OPEN	TCP	LAN:192.168.1.115:4194	core:192.168.1.1:80	262144

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DHCP Server Status

Interface: [LAN](#) [WAN](#) [DMZ](#)

Interface: **LAN**
IP Span: 192.168.1.1 - 192.168.1.254
Usage: 0%



Help

Inactive leases (will be replaced if the pool is full)

IP Address	MAC Address	
192.168.1.2	000c:7652:7c40	[Forget mapping]

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DHCP Server Status

Interface: [LAN](#) [WAN](#) [DMZ](#)

Interface: **WAN**
IP Span: N/A


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Done

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Clear log

Internal Logging (entries 1--100)

[Next 100 >>](#)

[2006-12-22 00:04:56] <5>EFw: CONN: prio=2 rule=Rule_5 conn=open connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4205 conndestif=core conndestip=192.168.1.1
conndestport=80

[2006-12-22 00:04:55] <5>EFw: CONN: prio=2 rule=Rule_5 conn=close connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4178 conndestif=core conndestip=192.168.1.1
conndestport=80 origsent=841 termsent=10786

[2006-12-22 00:04:55] <5>EFw: CONN: prio=2 rule=Rule_5 conn=open connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4204 conndestif=core conndestip=192.168.1.1
conndestport=80

[2006-12-22 00:04:49] <5>EFw: CONN: prio=2 rule=Rule_5 conn=open connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4201 conndestif=core conndestip=192.168.1.1
conndestport=80

[2006-12-22 00:04:48] <5>EFw: CONN: prio=2 rule=Rule_5 conn=open connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4200 conndestif=core conndestip=192.168.1.1
conndestport=80

[2006-12-22 00:04:47] <5>EFw: CONN: prio=2 rule=Rule_5 conn=open connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4199 conndestif=core conndestip=192.168.1.1
conndestport=80

[2006-12-22 00:04:46] <5>EFw: CONN: prio=2 rule=Rule_5 conn=open connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4198 conndestif=core conndestip=192.168.1.1
conndestport=80

[2006-12-22 00:04:45] <5>EFw: CONN: prio=2 rule=Rule_5 conn=open connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4197 conndestif=core conndestip=192.168.1.1
conndestport=80

[2006-12-22 00:04:39] <5>EFw: CONN: prio=2 rule=Rule_5 conn=open connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4196 conndestif=core conndestip=192.168.1.1
conndestport=80

[2006-12-22 00:04:38] <5>EFw: CONN: prio=2 rule=Rule_5 conn=close connipproto=TCP
connrecvfif=LAN connsrcip=192.168.1.115 connsrcport=4175 conndestif=core conndestip=192.168.1.1
conndestport=80 origsent=619 termsent=3671

Done Internet



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User Status

Currently authenticated users

Login name	User IP	Iface	Session timeout	Idle timeout	Privileges	Method	Logout
------------	---------	-------	-----------------	--------------	------------	--------	--------

Currently recognized privileges (usernames and groups)

Only users/groups used in policy rules are shown here. Both users/groups for source and destination nets are listed.

Interfaces where authentication are available

Only interfaces with a policy where source and/or destination users/groups are set, are available for user authentication.





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