





D-Link Building Networks for People **DFL-1600-Add HTTP Server IP for Static Address Translation (SAT)**

D-Link DFL-1600 - Microsoft Internet Explorer

Address: http://192.168.1.1/

Logged in as: administrator
admin - 192.168.1.11

Configuration Tools Status

DFL-1600

- System
- Objects
 - Address Book
 - InterfaceAddresses
 - Application Layer Gateways
 - Services
 - Schedule Profiles
 - X-509 Certificates
 - VPN Objects
 - Rules
 - IP Rules
 - lan1_to_wan1
 - Access
 - Interfaces
 - Routing
 - IDS / IDP
 - User Authentication
 - Traffic Shaping
 - ZoneDefense

Untitled

General User Authentication

Use an IP4 Address item to define a name for a specific IP4 host, network or range.

Name: (1)

IP Address: (2)

Comments:

OK Cancel

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D-Link Building Networks for People **DFL-1600-Add FTP Server IP for Static Address Translation (SAT)**

D-Link DFL-1600 - Mozilla Firefox

Address: http://192.168.1.1/

Logged in as: administrator
admin - 192.168.1.100

Configuration Tools Status

DFL-1600

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 - lan1_to_wan1
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 - Ethernet
 - VLAN
 - Psec Tunnels
 - PPPoE Tunnels
 - L2TP/PPTP Servers
 - L2TP/PPTP Clients
 - Routing
 - IDS / IDP
 - User Authentication

Use an Address Folder to group related address objects for a better overview.

Add

- IP4 Host/Network
- HA IP4 Address Pair
- Ethernet Address Group
- Address Folder

	Address	UserAuthGroups	Comments
1	192.168.0.4		
2	192.168.0.0/24		
3	192.168.120.254		
4	192.168.120.0/24		
5	172.17.100.254		
6	172.17.100.0/24		
7	192.168.1.1		
8	192.168.1.0/24		
9	192.168.2.1		
10	192.168.2.0/24		
11	192.168.3.1		
12	192.168.3.0/24		
13	192.168.1.100		
14	192.168.1.100-192.168.1.199		
15	255.255.255.0		
16	165.21.83.88		
17	165.21.100.88		
18	192.168.0.1		

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Building Networks for People

DFL-1600-Add FTP Server IP for Static Address Translation (SAT)

D-Link DFL-1600 - Mozilla Firefox
http://192.168.1.1/

Logged in as administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

DFL-1600

- System
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 - L2TP/PPTP Servers
 - L2TP/PPTP Clients
 - Interface Groups
 - ARP Table
- Routing

FTPServerIP

General User Authentication

General

Use an IP4 Address item to define a name for a specific IP4 host, network or range.

Name: 1

IP Address: 2 e.g. "172.16.50.8", "192.168.30.7, 192.168.30.11", "192.168.7.0/24" and "172.16.25.10-172.16.25.50"

Comments:

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Building Networks for People

DFL-1600-HTTP & FTP Server Objects Added

D-Link DFL-1600 - Mozilla Firefox
http://192.168.1.1/

Logged in as administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

DFL-1600

- System
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 - L2TP/PPTP Clients
 - Interface Groups
 - ARP Table
- Routing
- IDS/IDP

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	wan1_ip	192.168.0.4		
1	wan1net	192.168.0.0/24		
2	wan2_ip	192.168.120.254		
3	wan2net	192.168.120.0/24		
4	dmz_ip	172.17.100.254		
5	dmznet	172.17.100.0/24		
6	lan1_ip	192.168.1.1		
7	lan1net	192.168.1.0/24		
8	lan2_ip	192.168.2.1		
9	lan2net	192.168.2.0/24		
10	lan3_ip	192.168.3.1		
11	lan3net	192.168.3.0/24		
12	Server_IP	192.168.1.100		
13	FTPServerIP	192.168.1.101		
14	dhcpreserver_range	192.168.1.100-192.168.1.199		
15	dhcpreserver_netmask	255.255.255.0		

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-Add 2nd IP Address for WAN1

D-Link DFL-1600 - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://192.168.1.1/

D-Link Building Networks for People

Logged in as administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

InterfaceAddresses

Use an Address Folder to group related address objects for a better overview. Edit the settings for this folder

Add

- IP4 Host/Network
- IP4 Address Group
- HA IP4 Address Pair
- Ethernet Address
- Ethernet Address Group
- Address Folder

	Address	UserAuthGroups	Comments
1	192.168.0.4		
2	192.168.0./24		
3	192.168.120.254		
4	192.168.120.0/24		
5	172.17.100.254		
6	172.17.100.0/24		
7	dmznet		
8	lan1_ip		
9	lan1net		
10	lan2_ip		
11	lan2net		
12	lan3_ip		
13	lan3net		
14	Server_IP		
15	FTPServerIP		
16	192.168.1.101		
17	dhcpserver_range		
18	192.168.1.100-192.168.1.199		

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-Add 2nd IP Address for WAN1

D-Link DFL-1600 - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://192.168.1.1/

D-Link Building Networks for People

Logged in as administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

WAN_IP2

General User Authentication

General

Use an IP4 Address item to define a name for a specific IP4 host, network or range.

Name: 1

IP Address: e.g: "172.16.50.8", "192.168.30.7, 192.168.30.11", "192.168.7.0/24" and "172.16.25.10-172.16.25.50"

Comments

Comments:

2

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-2nd IP Address for WAN1 Added

D-Link DFL-1600 - Mozilla Firefox
http://192.168.1.1/

Logged in as administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

InterfaceAddresses

Use an Address Folder to group related address objects for a better overview. Edit the settings for this folder

#	Name	Address	UserAuthGroups	Comments
0	wan1_ip	192.168.0.4		
1	wan1net	192.168.0.0/24		
2	wan2_ip	192.168.120.254		
3	wan2net	192.168.120.0/24		
4	dmsz_ip	172.17.100.254		
5	dmsznet	172.17.100.0/24		
6	lan1_ip	192.168.1.1		
7	lan1net	192.168.1.0/24		
8	lan2_ip	192.168.2.1		
9	lan2net	192.168.2.0/24		
10	lan3_ip	192.168.3.1		
11	lan3net	192.168.3.0/24		
12	Server_IP	192.168.1.100		
13	FIPServerIP	192.168.1.101		
14	WAN1_IP2	192.168.0.5		
15	InternetServerName	192.168.1.100-192.168.1.105		

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-Add ARP Table for 2nd IP Address on WAN1

D-Link DFL-1600 - Mozilla Firefox
http://192.168.1.1/

Logged in as administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

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

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-Add ARP Table for 2nd IP Address on WAN1

DFL-1600 - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://192.168.1.1/

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Home Configuration Tools Status Logout Help

ARP Entry

Use an ARP entry to publish additional IP addresses and/or MAC addresses on a specified interface.

General

Mode: Publish

Interface: wan1

IP Address: WAN1_IP2

MAC: 00-00-00-00-00-00

Comments

Comments:

OK Cancel

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-ARP Table for 2nd IP Address Added

DFL-1600 - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://192.168.1.1/

D-Link Building Networks for People

Logged in as: administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

ARP Table

Add, remove and configure static and published ARP entries.

Add

#	Mode	Interface	IP	MACAddress	Comments
0	Publish	wan1	WAN1_IP2	00-00-00-00-00-00	

Right-click on a row for further options.

Modify advanced settings

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DFL-1600-Configuration SAT Rule

D-Link
Building Networks for People

DFL-1600 - Microsoft Internet Explorer

Address: http://192.168.1.1/

Logged in as: administrator
admin - 192.168.1.11

Home Configuration Tools Status Logout Help

DFL-1600

- System
- Objects
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 - IP Rules**
 - lan1_to_wan1
- Access
- Interfaces
- Routing
- DS / ISP
- User Authentication
- Traffic Shaping
- ZoneDefense

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.

	Action	Source Interface	Source Network	Destination Interface	Destination Network	Service
0	lan1_to_wan1					
1	ping_fw	Allow	any	all-nets	core	all-nets ping-inbound

Right click on a row for further options.

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DFL-1600-Configuration SAT Rule

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Building Networks for People

DFL-1600 - Microsoft Internet Explorer

Address: http://192.168.1.1/

Logged in as: administrator
admin - 192.168.1.11

Home Configuration Tools Status Logout Help

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SAT_HTTP

General Log Settings NAT SAT SAT Server Load Balancing

An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.

Name: SAT_HTTP

Action: SAT

Service: http-all

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.

Interface: any Destination: core

Network: all-nets wan1_ip

Comments

Comments:

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-Configuration SAT Rule

D-Link DFL-1600 - Microsoft Internet Explorer

Address: http://192.168.1.1/

Logged in as administrator
admin - 192.168.1.11

Home Configuration Tools Status Logout Help

SAT_HTTP

General Log Settings NAT SAT SAT Server Load Balancing

Translate the

Source IP Address

Destination IP Address

New IP Address: **Server_IP** 1

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: rewrites all destination IPz to a single IP

OK Cancel 2

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-Configuration SAT Rule

D-Link DFL-1600 - Microsoft Internet Explorer

Address: http://192.168.1.1/

Logged in as administrator
admin - 192.168.1.11

Home Configuration Tools Status Logout Help

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 2

IP Rule	Action	Source	Source Network	Destination Interface	Destination Network	Service
0	lan1_to_wan1					
1	ping_fw	Allow	any	all-nets	core	ping-inbound
2	SAT_HTTP	SAT	any	all-nets	core	http:all

IP Rules 1

Right-click on a row for further options.

http://192.168.1.1/?Page=Node&GJID=4469e830-000f-1000-8000-d02742f9614&Action=AddNew&NodeClass=IPRule

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DFL-1600-Configuration SAT Rule

General

Name: SAT_HTTP_Allow

Action: Allow

Service: http-in

Schedule: (None)

Address Filter

Source Interface: any

Destination Interface: core

Source Network: all-nets

Destination Network: wan1_ip

OK Cancel

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DFL-1600-HTTP SAT Rules Configured

IP Rules

#	Name	Action	Source Interface	Source Network	Destination Interface	Destination Network	Service
0	lan1_to_wan1						
1	ping_fw	Allow	any	all-nets	core	all-nets	ping-inbound
2	SAT_HTTP	SAT	any	all-nets	core	wan1_ip	http-all
3	SAT_HTTP_allow	Allow	any	all-nets	core	wan1_ip	http-in

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-Configuration SAT Rule

D-Link DFL-1600 - Microsoft Internet Explorer

Search the Web: Address: http://192.168.1.1/

Logged in as: administrator
admin - 192.168.1.11

Home Configuration Tools Status Logout Help

DFL-1600

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- ZoneDefense

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	Source Interface	Source Network	Destination Interface	Destination Network	Service
0	lan1_to_wan1			core	all-nets
1	ping_fw	any	any	all-nets	ping-inbound

Right click on a row for further options.

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D-Link Building Networks for People **NETDEFEND**

DFL-1600-Configuration SAT Rule

D-Link DFL-1600 - Mozilla Firefox

Search the Web: Address: http://192.168.1.1/

Logged in as: administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

DFL-1600

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- User Authentication
- Traffic Shaping
- ZoneDefense

SAT FTP

General Log Settings NAT SAT SAT Server Load Balancing

An IP rule specifies what action to perform on network traffic that matches the specified filter criteria.

Name: SAT_FTP

Action: SAT

Service: ftp-passsthrough

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: any	wan1
Network: all-nets	WAN1_IP2

Comments

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NETDEFEND

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Building Networks for People

DFL-1600-Configuration SAT Rule

D-Link DFL-1600 - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://192.168.1.1/

D-Link
Building Networks for People

Logged in as administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

SAT FTP

General Log Settings NAT SAT SAT Server Load Balancing

General

Translate the

Source IP Address

Destination IP Address

To:

New IP Address: FTPServerIP

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

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NETDEFEND

D-Link
Building Networks for People

DFL-1600-Configuration SAT Rule

D-Link DFL-1600 - Mozilla Firefox

File Edit View Go Bookmarks Tools Help

http://192.168.1.1/

D-Link
Building Networks for People

Logged in as administrator
admin - 192.168.1.100

Home Configuration Tools Status Logout Help

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 Folder	Action	Source Interface	Source Network	Destination Interface	Destination Network	Service
lan1_to_wan1	Allow	any	all-nets	core	all-nets	ping-inbound
ping_fw	Allow	any	all-nets	core	wan1_ip	http-all
SAT_HTTP	SAT	any	all-nets	core	wan1_ip	http-in
SAT_HTTP_Allow	Allow	any	all-nets	core	wan1_ip	http-in
SAT_FTP	SAT	any	all-nets	wan1	WAN1_IP2	ftp-passthrough

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D-Link NETDEFEND

DFL-1600-Configuration SAT Rule

Logged in as administrator
admin - 192.168.1.100

- DFL-1600
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 - PPPoE Tunnels
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 - L2TP/PPTP Clients
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- ARP Table
- Routing
- IDS / IDP
- User Authentication
- Traffic Shaping
- ZoneDefense

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: 1

Action:

Service:

Schedule:

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: <input type="text" value="any"/>	<input type="text" value="wan1"/>
Network: <input type="text" value="all-nets"/>	<input type="text" value="WAN1_IP2"/>

Comments

Comments:

2

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D-Link NETDEFEND

DFL-1600-FTP SAT Rules Configured

Logged in as administrator
admin - 192.168.1.100

- DFL-1600
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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

#	Name	Action	Source Interface	Source Network	Destination Interface	Destination Network	Service
0	lan1_to_wan1						
1	ping_fw	Allow	any	all-nets	core	all-nets	ping-inbound
2	SAT_HTTP	SAT	any	all-nets	core	wan1_ip	http-all
3	SAT_HTTP_Allow	Allow	any	all-nets	core	wan1_ip	http-in
4	SAT_FTP	SAT	any	all-nets	wan1	WAN1_IP2	ftp-passthrough
5	SAT_FTP_Allow	Allow	any	all-nets	wan1	WAN1_IP2	ftp-passthrough
6	SAT_RDP	SAT	any	all-nets	core	wan1_ip	rdp
7	SAT_RDP_Allow	Allow	any	all-nets	core	wan1_ip	rdp
8	IPSec_Allow	Allow	IPSec_LAN	all-nets	IPSec_LAN	all-nets	all_services

Right-click on a row for further options.

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D-Link Building Networks for People **NETDEFEND**

DFL-1600 Configuration-Save & Activate Configuration

D-Link DFL-1600 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Search the Web Search Address http://192.168.1.1/

D-Link Building Networks for People Logged in as administrator
admin - 192.168.1.11

Home Configuration Save and Activate Discard Changes Tools Status Logout Help

DFL-1600

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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

#	Name	Action	Source Interface	Source Network	Destination Interface	Destination Network	Service
0	lan1_to_van1						
1	ping_fw	Allow	any	all-nets	core	all-nets	ping- inbound
2	SAT_HTTP	SAT	any	all-nets	core	van1_ip	http-all
3	SAT_HTTP-Allow	Allow	any	all-nets	core	van1_ip	http-in

Right-click on a row for further options.

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D-Link Building Networks for People **NETDEFEND**

DFL-1600 Configuration-Save & Activate Configuration

D-Link DFL-1600 - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Print Edit

Search the Web Search Address http://192.168.1.1/

D-Link Building Networks for People Logged in as administrator
admin - 192.168.1.11

Home Configuration Save and Activate Discard Changes Tools Status Logout Help

DFL-1600

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Save Configuration

Are you sure you want to save the configuration?

An administrator needs to log in within 30 seconds to verify the new configuration. Otherwise the unit will assume that you accidentally locked yourself out, and revert to its previous configuration.
Click here to edit the configuration verification timeout.

OK Cancel

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The screenshot shows a web browser window displaying the D-Link DFL-1600 configuration interface. The browser's address bar shows the URL `http://192.168.1.1/`. The page title is "D-Link DFL-1600 Configuration-Configuration Saved & Activated". The interface includes a navigation menu with "Home", "Configuration", "Tools", and "Status". A sidebar on the left lists various configuration categories such as System, Objects, Rules, and Interfaces. A central dialog box titled "Commit changes" is open, displaying a green checkmark icon and the text "Changes Activated" and "Changes committed to the configuration file". Below this, it states "Configuration successfully activated and committed." The browser's status bar at the bottom shows "Done" and "Internet".

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