DFL-210, DFL-800, DFL-1600 How To Setup Static Route On LAN Interface

This setup example uses the following network settings:

Computers on LAN1 access the Internet through the DFL-Firewall (192.168.0.1) and access LAN99 (192.168.99.x) through Router 2 (192.168.0.254).



In order to achieve this you need to add a static route in the DFL-Firewall (the default gateway of LAN1).

Step 1. Log into the Firewall by opening Internet Explorer and typing the LAN address of the Firewall. In our example we are using 192.168.0.1. Enter Username and Password which you specified during the initial setup of the Firewall.

Step 2. Go to Objects > Address Book > Interface Addresses. Click on Add and select "IP4 Host/Network".

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🔮 Home 🛛 🔒 Configuration 👻 🎢 T	ools 🗸 🚽 🥪 Status 👻			2 Logout	OHelp	
DFL-210 System	Use an Address Folde	S ES r to group related address of	ojects for a better overview	,		
Generate Management G	Add -			Edit the settings for this folde	er.	
DHCP Relays	JP4 Address Group	Address 👻	UserAuthGroups 👻	Comments 💌		
- Misc. Clients	B Ethernet Address	192.168.0.1		IPAddress of interface lan		
E Advanced Settings	Ethernet Address Group	192.168.0.0/24		The network on interface lan		
- Objects	address Folder	172.17.100.254		IPAddress of interface dmz		
E CAddress Book	3 g unicites	172.17.100.0/24		The network on interface dmz		
Contractions & defenses	4 💐 van_ip	202.129.109.93		IPAddress of interface wan		
The Indication Laws Ontowners	5 💐 vannet	202.129.109.60/30		The network on interface wan	1	
Application Layer Gateways	6 💥 van_defaultgv_ip	202.129.109.65				
Services	7 dnsserver1_ip	4.2.2.3				
Schedule Profiles	8 WEB_Server	172.17.100.253		WEB Server on DMZ		
- SSX 509 Certificates	9 Virtual_IP_2	202.129.109.92				
E VPN Objects	10 WEB_Server_LAN	192.168.0.2		WEB Server on LAN		

Step 3. Give the new entry a name, e.g. Router2. Specify the IP addresses of the router which will be used to access the remote network LAN99. Click on the OK button.

General	er Authentication		
) General			
Vse Name: IP Address: Comment	Router2 192.168.0.254 S	specific IP4 host, network or range. e.g: "172.18.50.8", "192.188.30.7, 192.1	68.30.11", "192.168.7.0/24" and "172.16.25.10-172.16.25.5
Comments:	Router on LAN1 to connect to LAN99		

Step 4. Add another entry into the Address Book which describes the network on the remote site (LAN99_net). In our example LAN99 is 192.168.99.0/24. Click on the OK button.

Ochioral Us	ser Authentication		
) General			
Vse Name: IP Address:	an IP4 Address item to define a n LAN99_net 192.168.99.0/24 ts	ame for a specific IP4 host, network or range. e.g: "172.16.60.8", "192.168.30.7, 192.188.	30.11", "192.168.7.0/24" and "172.16.25.10-172.16.25
Comments:	LAN99 subnet		

Step 5. Add another entry in the Address Book but select IP4 Address Group this time. Create a group which includes LAN1 network and remote network (LAN1-LAN99_group):

-343				
				Edit the settings for this fold
> Add =				
IP4 HostiNaturd				
IP4 Address Grou	Ar Ar	ddress 💌	UserAuthGroups 💌	Comments 🔻
HA IP4 Address I	Pair 20	02.129.109.93		The IPaddress of the wan1 interface
Ethornat Address	. 20	02.129.109.64/27		
Ethemet Address	1	92.168.120.254		The IPaddress of the wan2 interface
Ethernet Address	1 Group	92.168.120.0/24		
Address Folder	1	92.168.130.254		The IPaddress of the wan3 interface
	+ 10	92 169 120 0/24		
General User Au General Austral General An IP4 Ad	thentication	nbining several IP4 Addr	ess objects for simplified manag	ement.
General User Au General An IP4 Ad	Ithentication	nbining several IP4 Addr	ess objects for simplified manag	ement.
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Step 6. Go to Routing > Main Routing Table > Add > Route.

Under Interface select LAN, under Network select the remote network (LAN99_net), under Gateway select the second router (Router2). Set Metric to 80. Click on the OK button.

General							
A route defi	ines what interface a	ind gatew	use in o	rder to reach	a specified n	etwork.	
Interface:	lan 1	~					
Network:	LAN99_net	~					
Gateway:	Router2	~					
Local IP Address:	(None)	~					
Metric:	80						
Comments							
Comments: Stati	ic route for LAN99	subnet to	er2				

Step 7. Go to Rules > IP Rules > Add > IP Rule. Set up a rule which allows communication between LAN and remote network LAN99:

Under Action select FwdFast. Service: All_Services. Source Interface: LAN, Network: LAN1-LAN99_group Destination Interface: LAN, Network: LAN1-LAN99_group Click on the OK button.

Portion Lo	g Settings NAT SAT	SAT Server Load Balancing	
General			
8 An I	P rule specifies what action	to perform on network traffic tha	tches the specified filter oriteria.
•			
Name:	Allow-LAN1-LAN99		
Action:	FwdFast 🗸		
Service:	all_services 🗸 🗸		
Schedule:	(None)		
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Address	Filter	urce network, together with desti	n interface and destination network. All parameters have to match for the rule to match
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Step 8. Save the new configuration. In the top menu bar click on Configuration and select "Save and Activate".



Click on OK to confirm the new settings activation:

D-Link Building Networks for People		Cogged in as administrator admin - 192.168.0.2
Section - 👔 Configuration - 🁔 To	ols 🗸 🦢 Status 🗸	😕 Logout 🕜 Help
DFL-210 System Date and Time DNS Remote Management Log and Event Receivers DHCP Servers DHCP Servers DHCP Relays Misc. Clients Advanced Settings Objects Advanced Settings Services Schedule Profiles Schedule Profiles Schedule Profiles VPN Objects	Save Configuration Are you sure you want to save the configurat An administrator needs to log in within 180 seconds to v accidentally locked yourself out, and revert to its previou Click here to edit the configuration verification timeout.	tion? erify the new configuration. Otherwise the unit will assume that you s configuration. OK Cancel

Wait 15 seconds for the Firewall to apply the new settings.