DFL-800/1600/2500 How to setup Server Load Balance

With Server Load Balance you can balance the traffic between two or more servers on your network. The below steps describe the configuration where FTP traffic from the Internet is balanced between two FTP servers located on DMZ network. FTP access to the network is opened on a secondary public IP address assigned to the WAN port of the firewall.



Step 1. Log into the firewall. Configure the WAN port in accordance with the Internet connection requirements.

Step 2. Go to Objects > Address Book > Interface Addresses. Add a new object for the second public IP for the FTP Service.

Objects Address Book Maddress Book	Juntitled
Application Layer Gateways	General User Authentication
Services Schedule Profiles Schedule Profiles Schedule Profiles Schedule Profiles Went Schedule Profiles Went Schedule Profiles Went Schedule Profiles Went Schedule Profiles Went Schedule Profiles	General Use an IP4 Address item to define a name for a specific IP4 he Name:
	IP Address: 202.129.109.93 e.g: "172.1 "172.16.25.10-172.16.25.50"

Step 3. Add two more entries in the Address Book for the private IP addresses of the two FTP servers.

🚽 FTP-virtual-ip	
General User Authentication	
🛃 General	🤤 Untitled
Use an IP4 Address item to define a name for a specific IP4	General User Authentication
Name: FTP-virtual-ip-1 IP Address: 172.16.1.1 e.g: "17 "172.16.25.10-172.16.25.50" Comments	General Use an IP4 Address item to define a name for a specific IP4 ho Name: FTP-virtual-ip-2 IP Address: 172.16.1.2 e.g: "172.1 "172.16.25.10-172.16.25.50" Comments

Step 4. Go to Interfaces > ARP Table. Create a new entry to publish the additional Public IP Address which will be used for FTP access from the Internet.

📮 🖓 🙀 Interfaces		
IIII Ethernet		
···· 📖 VLAN		
👸 IPsec Tunnels	ARP Entry	
PPPoE Tunnels		
L2TP/PPTP Servers	Seneral	5
L2TP/PPTP Clients	Use an ARP entry to publish additional IP addresses and/or MAC addresses on a specified interface.	
ARP Table	Mode: Publish 🗸	
	Interface: wan1	
	IP Address: FTP-public-ip 💙	
	MAC: 00-00-00-00 ¥	
	Comments	5

Step 5. Go to Rules > IP Rules. Create a new rule. Select SLB_SAT under Action. Under Service select "ftp_inbound". Set Source as "Any" and Destination as WAN and the secondary public IP. Select the "SAT Server Load Balancing" tab. Add the FTP server addresses in the list. Under Distribution select "Round Robin". Under Stickiness select "IP".

F1F-0	nap	8	FTP-map
General Lo	og Settings NAT SAT SAT Server Load	Balancin 💽	
General		Gen	NAT SAT SAT SAT Log Balancing
👌 An I	IP rule specifies what action to perform on netwo	ork traffic ti 👌 🔂	ieneral
•		Se	rver Addresses:
Name:	FTP-map		Available Selected
Action:			Ian3_ip FTP-oublic-in FTP-virtual-in-2
			wan1_dns1
Service:	ftp-inbound 🗸		wan1_dns2 wan1_gw
Schedule:	(None) 🗸		
		📄 🎦 🛚	Ionitoring
Address	Filter	<u>*</u>) M	Ionitoring
Address	Filter	er with destina	Nonitoring
Address	Filter ecify source interface and source network, togeth- rule to match.	er with destina	Monitoring Distribution Method:
Address	Filter ecify source interface and source network, togeth- rule to match.	er with destina	Monitoring Distribution Method: © Round Robin
Address	Filter ecify source interface and source network, togeth- rule to match. Source Destination	er with destina	Monitoring Distribution Method: Image: Round Robin Image: Connection Rate
Address	Filter acify source interface and source network, togeth- rule to match. Source Destination any wan1	er with destina	Monitoring Distribution Method: © Round Robin © Connection Rate Window Time: 10 seconds
Address	Filter acify source interface and source network, togethrule to match. Source Destination any wan1 all-nets Y FTP-public-ip	er with destina	Monitoring Distribution Method: Image: Round Robin Image: Connection Rate Window Time: Image: Stickiness
Address	Filter ecify source interface and source network, togeth- rule to match. Source Destination any wan1 FTP-public-ip source Destination	er with destina	Monitoring Distribution Method: Image: Connection Rate Window Time: 10 seconds Stickiness: IP
Address Spe the Interface: Network: Commen	Filter acify source interface and source network, togeth- rule to match. Source Destination any wan1 all-nets FTP-public-ip ats	er with destina	Monitoring Distribution Method: © Round Robin © Connection Rate Window Time: 10 seconds Distribution Stickiness Stickiness: IP Idle Timeout: 30 seconds
Address Spe the Interface: Network: Commen	Filter ecify source interface and source network, togeth- rule to match. Source Destination any wan1 all-nets V FTP-public-ip ats	er with destina	Monitoring Distribution Method: Round Robin Connection Rate Window Time: seconds Stickiness: Stickiness: IP Idle Timeout: 30 seconds Max Slots: 2048
Address	Filter ecify source interface and source network, togeth- rule to match. Source Destination any wan1 all-nets FTP-public-ip ets	er with destina	Monitoring Distribution Method: Round Robin Connection Rate Window Time: 10 seconds Stickiness: Stickiness: Idle Timeout: 30 seconds Max Slots: 2048 Net Size: 24

Step 6. Create another IP rule to allow FTP communication: Action - Allow; Service - FTP-inbound. Set Source as "Any" and Destination as WAN and the secondary public IP.

	og Settings NAT	SAT	SAT Server Load Balancing	
General				
8 An	IP rule specifies wha	at action to	perform on network traffic that matches the specified filter orite	eria.
•				
Name:	allow-FTP			
Action:	Allow	~		
Service:	ftp-inbound	~		
Schedule:	(None)	~		
	Lincol			
Address	Filter			
Spe	ecify source interface	and sour	e network, together with destination interface and destination	network. All parameters have to match t
ine and	rule to match.			
	Source		Destination	
	any	*	wan1 🗸	
Interface:			C	

Step 7. In the top menu bar select Configuration > Save and Activate > OK.

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Home Configuration - 11 To	ols 🗸 🕘 Status 🗸	😕 Logout 🕜 Help
DFL-1600 DFL-1600 DFL-1600 Discard Changes Objects Dobjects Address Book Discard Changes Objects Discard Changes Objects Discard Changes Discard Ch	Save Configuration Are you sure you want to save the configuration?	OK Cancel
Schedule Profiles -& X.509 Certificates E - B VPN Objects E - Rules		