DFL-210, DFL-800, DFL-1600 How to open ports for FTP server on DMZ

This setup example uses the following network settings:



In our example the WAN interface has an additional public IP address. The modem is in bridge mode (no NAT). The FTP server is connected to the DMZ network.

Step 1. Log into the Firewall by opening Internet Explorer and typing the LAN address of the Firewall. In our example we are using the default 192.168.1.1. Enter Username and Password which you specified during the initial setup of the Firewall.

Note: If you are setting up a WEB server which uses HTTP port 80, it is advisable to change the default management port of your firewall from 80 to something else. You can set it to be accessed via HTTPS only (port 443) <u>https://192.168.1.1</u>. This can be set under System > Remote Management. If you want to leave HTTP management active but change the port to something different for port 80 (e.g. port 88), select "Modify Advanced Settings" under System > Remote Management.

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

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DFL-210 System Objects Address Book Address Book Address Book Address Book Schedk de Profiles	Lise an Address Folder to	group related address objects for a better ov	erview.	☑ Edit the settings for this folder
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te Subser Authentication	6 😏 wan_defaultgw_ip	202.129.109.65		
E C Traffic Shaping	7 💐 dnsserver1_ip	4.2.2.2		
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	9 💐 dhcpserver_range	192.168.1.100-192.168.1.200		
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Step 3. Under Name enter "FTP_Server" and under IP Address specify the IP address of the server on your DMZ network. In our example it is 172.17.100.253. Click on OK when done.

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Step 4. Add another IP4 Host/Network. This entry is for the additional public IP which will be used to access your FTP server. Under Name enter "WAN_Public_IP_2" and under IP Address specify the second public IP address. Click on OK when done.

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DFL-210 System Objects Address Book Application Layer Gateways Services Schedule Profiles X.509 Certificates VPN Objects Rules Rules Rules Rules DS /IDP User Authentication Traffic Shaping	Vertified General User Authentication Image: Second public_TP_2 IP Address: 202.129.109.93 *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 Second public IP on WAN interface OK	F N ncel

Step 5. In the menu on the left select Interfaces > ARP Table. Click on Add > ARP Entry. Add new ARP Entry. Under Mode select Publish. Interface – WAN. Under IP Address select the WAN_public_IP_IP_2 created in Step 4. Click on OK when done.

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Objects Rules Interfaces VLAN OiPsec Tunnels L2TP/PPTP Clients Interface Groups ARP Table	General Image: Use an ARP entry to publish additional IP addresses and/or MAC address Mode: Publish Interface: wan IP Address: WAN_public_IP_2 MAC: 00-00-00-00	res on a specified interface.
B G Rouing DS / IDP E Set Authentication B Traffic Shaping	Comments: Second public IP on WAN interface	OK Cancel

Step 6. In the menu on the left select IP Rules > WAN to DMZ. Click on Add > IP Rule.

Set a rule "FTP_map". Under Action select SAT. Since in our example we are setting up an FTP server, under Service we are selecting "ftp-inbound".

Set Source Interface as "any", Source Network: "all-nets". Destination Interface: "WAN", Destination Network: "WAN_public_IP_2".

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Objects Rules	General Log Settings NAT SAT	15
P Rules dmz_to_lan dmz_to_wan glan_to_dmz wan_to_dmz wan_to_dmz wan_to_lan Access	An IP rule specifies what action to perform on network traffic that matches the specified Name: FTP_map Action: SAT Service: ftp-inbound Schedule: (None)	filter oriteria.
 ⊕ → → → → → → → → → → → → → → → → → → →	Address Filter	5
Go / IDP Go / ID Go / IDP G	Specify source interface and source network, together with destination interface and destination the rule to match. Source Destination Interface: any Van	tination network. All parameters have to match for
	Comments: SAT rule for incoming FTP on second Public IP	OK Cancel

Step 7. Click on SAT tab on top. Select the Destination IP Address option. Under New IP Address select the "FTP_Server" option. Click on OK when done.

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		OK Cancel

Step 8. Create another IP Rule to allow FTP traffic.

Set Name as Allow_FTP. Under Action select Allow. Under Service choose "FTP-inbound". Set Source Interface as "any", Source Network: "all-nets". Destination Interface: "WAN", Destination Network: "WAN_public_IP_2". Click on OK when done.

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Objects Rules	General Log Settings NAT SAT		5
B PRules dinz_to_lan dinz_to_dinz dinz_to_dinz lan_to_dinz wan_to_dinz wan_to_lan wan_to_lan wan_to_lan wan_toress for Routing for JDP la User Authentication b for Traffic Shaping	An IP rule specifies what action to perform on network traffic that matches the specified filter criteria Name: allow_FTP Action: Allow V Service: ftp-inbound V Schedule: (None) V Address Filter Address Filter Specify source interface and source network, together with destination interface and destination net the rule to match. Source Destination Interface: any V Network: all-nets V Comments: Rule to allow FTP traffic in	work. All parameters have to match	5 b for

Step 9. 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:



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