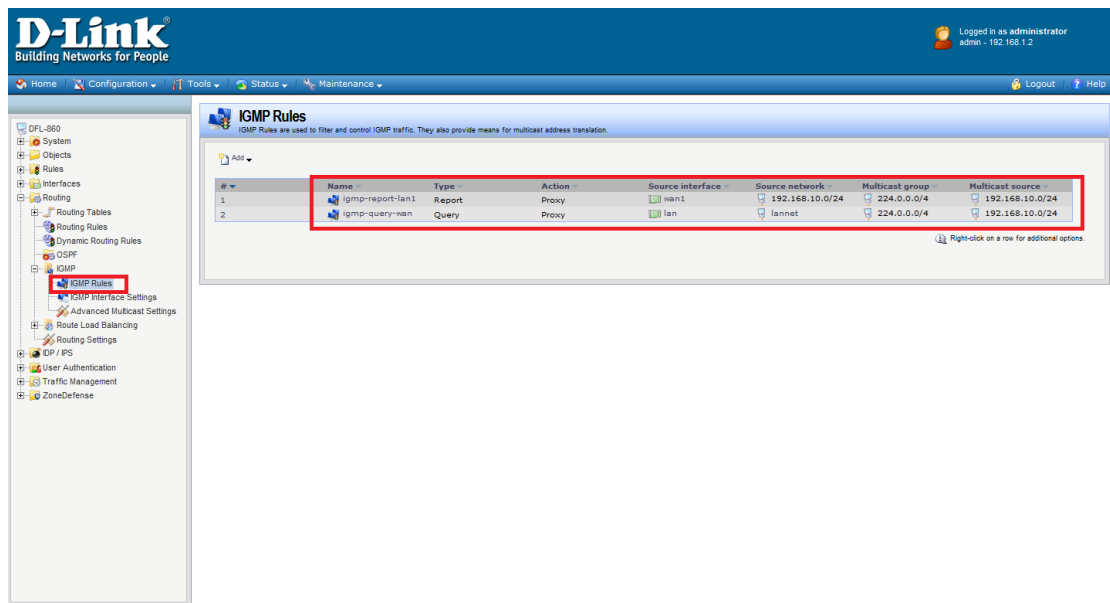


Topology:

Multicast stream server ---LAN -----DFL-860---WAN1---public network----- multicast client2.

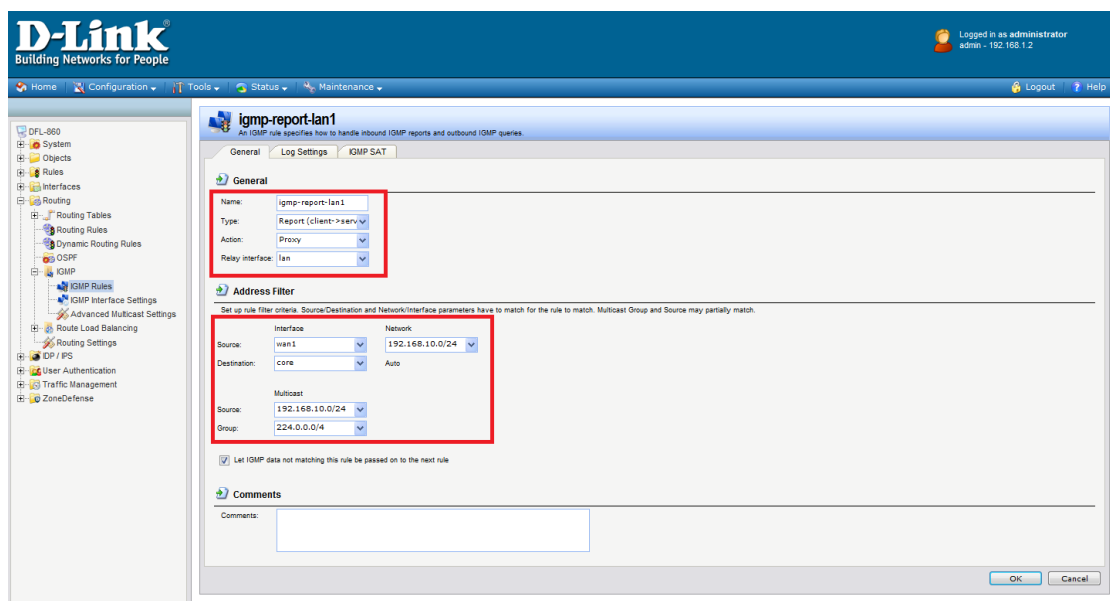
P.S. ISP support multicast traffic

- (1) Go to IGMP rules. Add two rules "IGMP-report-LAN1" and "IGMP-query-WAN".
One for IGMP report message output to LAN1 interface, another is to enable Querier on WAN interface.



The screenshot shows the D-Link configuration interface for IGMP Rules. The left sidebar shows the navigation tree with 'IGMP Rules' selected. The main content area displays a table of IGMP rules:

#	Name	Type	Action	Source interface	Source network	Multicast group	Multicast source
1	igmp-report-lan1	Report	Proxy	wan1	192.168.10.0/24	224.0.0.0/4	192.168.10.0/24
2	igmp-query-wan	Query	Proxy	lan	lannet	224.0.0.0/4	192.168.10.0/24



The screenshot shows the configuration page for the 'igmp-report-lan1' rule. The 'General' tab is active, and the configuration is as follows:

General

- Name: igmp-report-lan1
- Type: Report (client > serv)
- Action: Proxy
- Relay interface: lan

Address Filter

Set up rule filter criteria. Source/Destination and Network/Interface parameters have to match for the rule to match. Multicast Group and Source may partially match.

Interface	Network
Source: wan1	192.168.10.0/24
Destination: core	Auto

Multicast

Source: 192.168.10.0/24
Group: 224.0.0.0/4

Let IGMP data not matching this rule be passed on to the next rule

Comments

Comments:

The screenshot shows the D-Link web interface for configuring an IGMP rule. The left sidebar shows the navigation tree with 'IGMP Rules' selected. The main panel is titled 'igmp-query-wan' and has three tabs: 'General', 'Log Settings', and 'IGMP SAT'. The 'General' tab is active and contains the following configuration:

- Name:** igmp-query-wan
- Type:** Query (Server-to-client)
- Action:** Proxy
- Relay interface:** wan1

The 'Address Filter' section is also visible, with the following settings:

- Source:** lan (Interface), laninet (Network)
- Destination:** core (Interface), Auto (Network)
- Source (Multicast):** 192.168.1.0/24
- Group:** 224.0.0.0/4

There is a checkbox for 'Let IGMP data not matching this rule be passed on to the next rule' which is checked. A 'Comments' field is also present at the bottom.

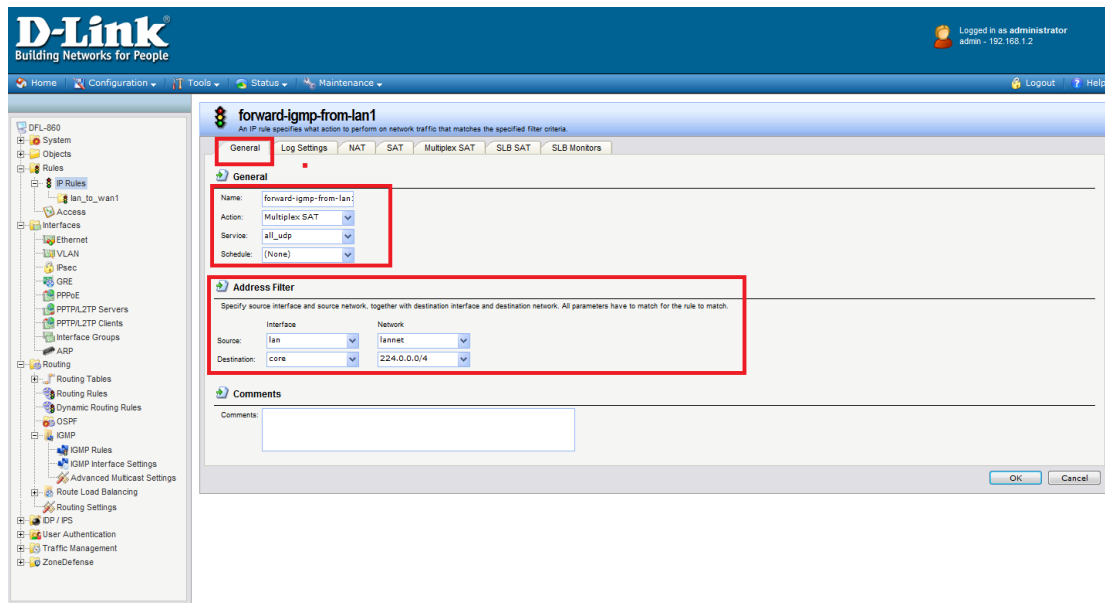
(2) Go to IP rules. Add two rules "IGMP-report-LAN1" and "IGMP-query-WAN".

The screenshot shows the D-Link web interface for the 'IP Rules' configuration page. The left sidebar shows the navigation tree with 'IP Rules' selected. The main panel is titled 'IP Rules' and contains a table of configured rules. The table has the following columns: #, Name, Action, Src IF, Src Net, Dest IF, Dest Net, and Service. Two rules are highlighted with a red box:

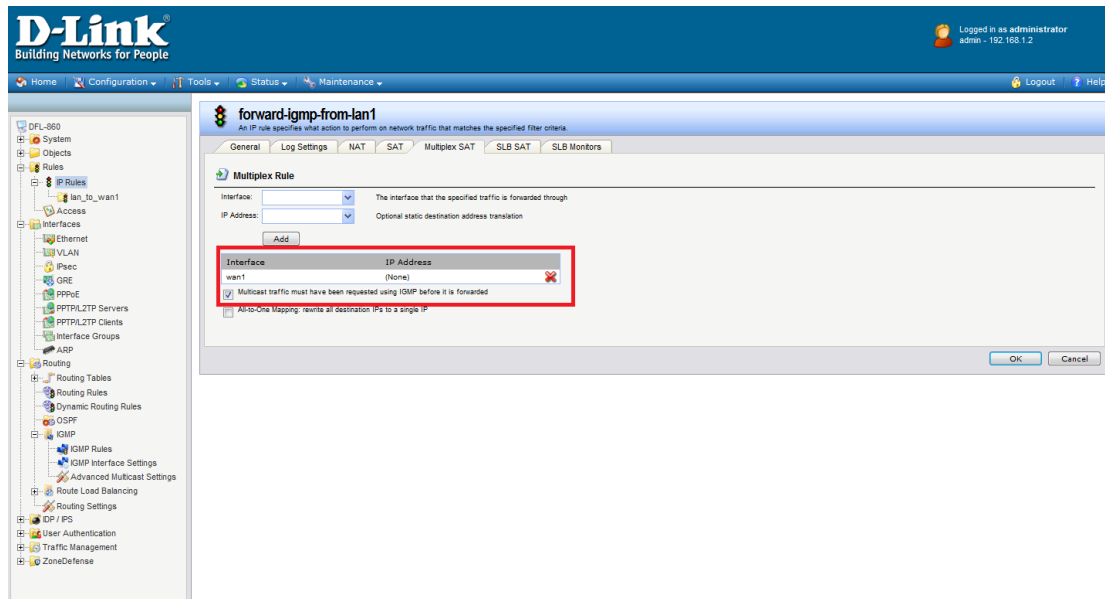
#	Name	Action	Src IF	Src Net	Dest IF	Dest Net	Service
1	forward-igmp-from-lan1	MultiplexSAT	lan	laninet	core	224.0.0.0/4	all_udp
2	forward-igmp-from-lan1	NAT	lan	laninet	core	224.0.0.0/4	all_udp
3	lan_to_wan1						

A red box highlights the first two rows of the table. A tooltip提示 'Right-click on a row for additional options.' is visible at the bottom right of the table.

Add a multiplexSAT rule, to forward the specific to WAN interface.



Add a MultiplexSAT rules, to forward the specific to WAN1 interface. Noting that don't forget to tick the option as below



The MultiplexSAT rule also needs a rule following by NAT.

The screenshot displays the D-Link web management interface for a device named 'DFL-860'. The user is logged in as 'administrator' with IP '192.168.1.2'. The navigation menu on the left includes System, Objects, Rules, IP Rules, and various network settings. The main content area shows the configuration for a rule named 'forward-igmp-from-lan1'. The 'General' tab is selected, and the rule is configured with the following settings:

- Name: forward-igmp-from-lan1
- Action: NAT
- Service: all_udp
- Schedule: (None)

The 'Address Filter' section is also visible, with the following settings:

- Source: Interface: lan, Network: lanet
- Destination: Interface: core, Network: 224.0.0.0/4

There is a 'Comments' field at the bottom of the configuration page, which is currently empty. 'OK' and 'Cancel' buttons are located at the bottom right of the configuration area.

END