

Take Note:

After the policy has been configured, the policy will be added at the top by default. Since the policy here are matched from top to bottom, it is necessary to move this policy to the back to ensure that the previous policy does not become invalid. As follows:

Routing										
Static Route		Policy-Based Routin		Multicast Route		OSPF	RIP	BGP	All Routes	Route Testing
+ Add - X Delete ✓ Enable ✖ Disable ↑ Move Up ↓ Move Down ↺ Move 🔄 Refresh 📁 Import 📁 Export										
<input type="checkbox"/>	No.	Name	Src Zone	Src IP Group	Dst IP Group		Protocol	Application	Interface-Next Hop	
<input type="checkbox"/>	1	Application base...	LAN	10.1.131.2	All		All	HTTP Application/All	eth2-172.16.1.1	
<input type="checkbox"/>	2	Source-based Ro...	LAN	10.1.131.2	All		All	All/All	eth1-10.1.129.1	
<input type="checkbox"/>	3	Destination base...	LAN	All	Telecommunication		All	All/All	eth1-10.1.129.1	

Chapter 5 Link Load-Balancing Route

Multiple lines can backup each other so that multiple lines can be used at the same time without wasting bandwidth. There are four type of policy for link-load balancing:

Interface

+ Add - Delete

Interface	Link State	Move	Delete
No data available			

Load Balancing Method: Round Robin

Save and Add OK Cancel

Round Robin: Active links are selected in turns. The likelihood that each link is selected is the same.

Bandwidth Ratio Round Robin: This method is similar to weighted Round Robin, however, weights are not specified numbers but dynamic ratio calculated according to the bidirectional bandwidth on different WAN links. It aims at balancing the bandwidth usage on the available WAN links based on new scheduled connection, regardless of connection failure or realtime bandwidth on the WAN link.

Weighted least traffic: This method is similar to weighted Round Robin as well, however, weights are not specified numbers but dynamic ratio calculated according to the bidirectional bandwidth on different WAN links. It aims at balancing the bandwidth usage on the available WAN links based on the new scheduled traffic.

Prefer link at top: Prefer the link at the top of interface list. To elevate priority of a link, move it up or to top.

Requirements: All internal network users will go to the external network through eth1. The method being chosen here is prefer link at top.

Configuration:

- 1) Fill in the policy name (Any will do)
- 2) Source Zone (where the internal network user is located)
- 3) Source IP (All)
- 4) Destination IP group (All)

- 5) Select HTTP application in the Application
- 6) Interface (Select eth1 and eth2)
- 7) Others can be kept as default

Sample Configuration:

Add Link Load-Balancing Route [X]

☒ Enable

Name:

Description:

Schedule: [v]

Move To: [v]

Source

Zone: [icon]

IP Group: [icon]

Destination

☒ IP Group

[icon]

☐ ISP

[v]

Protocol/Port

Protocol and port match clauses

Application

Applicable applications

Interface

☒ Add | ☒ Delete

<input type="checkbox"/> Interface	Link State	Move	Delete
<input type="checkbox"/> eth1	Normal	↑ ↓	×
<input type="checkbox"/> eth2	Normal	↑ ↓	×

Load Balancing Method: [v] [i]

Results:

Routing										
Static Route		Policy-Based Routin		Multicast Route		OSPF	RIP	BGP	All Routes	Route Testing
+ Add		X Delete		✓ Enable		✗ Disable		↑ Move Up		↓ Move Down
		</								