

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 Routing		Multicast Route		OSPF		RIP		BGP		All Routes		Route Testing	
+ Add - 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

☒ Enable

Name:

Link Load-Balancing

Description:

Schedule:

All week

Move To:

below entry No.3

Source

Zone:

LAN

IP Group:

All

Destination

☒ IP Group

All

☐ ISP

All

Protocol/Port

Protocol and port match clauses

Settings

Application

Applicable applications

Settings

Interface

+ Add

✖ Delete

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

Load Balancing Method:

Prefer link at top

Save and Add

OK

Cancel

Results:

Routing									
<div> Static Route Policy-Based Routing Multicast Route OSPF RIP BGP All Routes Route Testing </div>									
<div> Add Delete Enable Disable Move Up Move Down Move Refresh Import Export </div>									
No.	Name	Src Zone	Src IP Group	Dst IP Group	Protocol	Application	Interface-Next Hop	Load Balancing Met...	
1	Link Load-Balanc...	LAN	All	All	All	All/All	eth1-10.1.129.1,eth2-172.1	Prefer the line at top	
2	Application base...	LAN	10.1.131.2	All	All	HTTP Application/All	eth2-172.16.1.1		
3	Source-based Ro...	LAN	10.1.131.2	All	All	All/All	eth1-10.1.129.1		
4	Destination base...	LAN	All	Telecommunication	All	All/All	eth1-10.1.129.1		

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<div> Static Route Policy-Based Routing Multicast Route OSPF RIP BGP All Routes Route Testing </div>									
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No.	Name	Src Zone	Src IP Group	Dst IP Group	Protocol	Application	Interface-Next Hop	Load Balancing Met...	
1	Application base...	LAN	10.1.131.2	All	All	HTTP Application/All	eth2-172.16.1.1		
2	Source-based Ro...	LAN	10.1.131.2	All	All	All/All	eth1-10.1.129.1		
3	Destination base...	LAN	All	Telecommunication	All	All/All	eth1-10.1.129.1		
4	Link Load-Balanc...	LAN	All	All	All	All/All	eth1-10.1.129.1,eth2-172.1	Prefer the line at top	