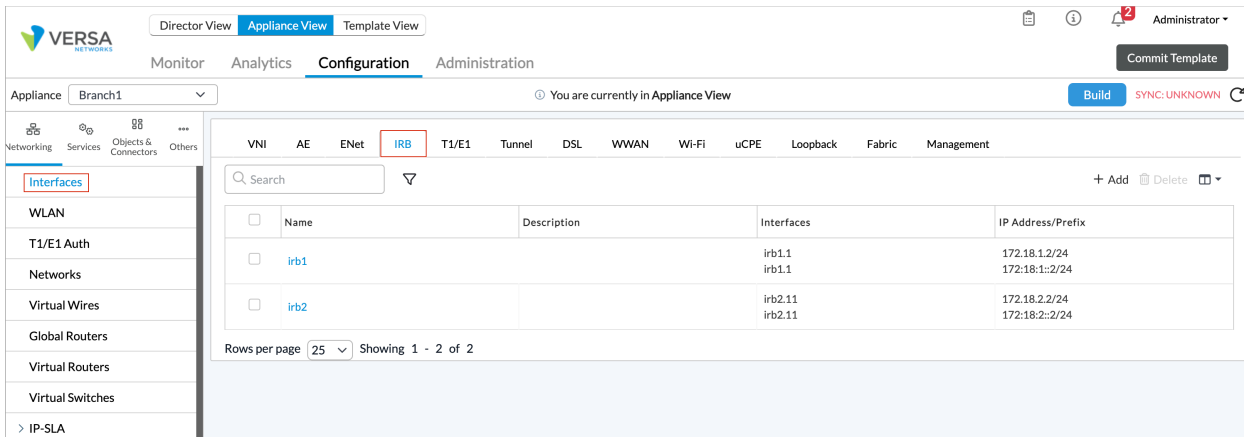# Configure a Distributed Anycast Gateway

For supported software information, click here.

A distributed anycast gateway facilitates workload mobility by allowing multiple VXLAN branches to act as the default IP gateway for all clients that are attached to them. The multiple branches are configured with the same IP and MAC addresses. Because the ARP entry remains unchanged for the default IP gateway, the traffic from the client is not lost or flooded, which happens with unknown unicast traffic when the client moves within the same VXLAN network.

To configure a distributed anycast gateway on a branch:

1. In Director view:
   a. Select the Administration tab in the top menu.
   b. Select Appliances in the left menu bar.
   c. Select an appliance in the main pane. The view changes to Appliance view.
2. Select the Configuration tab in the top menu bar.
3. Select Networking > Interfaces in the left menu bar. The Interfaces dashboard screen displays.

4. Select the IRB tab in the horizontal menu bar, and then select an IRB interface. The Edit IRB Interface screen displays.

Edit IRB Interface - irb1

Interface *		MTU		
irb	1	72...9000	☐ Disable	

Description

Subinterfaces

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	Unit	VLAN ID	IP Address/Mask		DHCPv4	DHCPv6	MTU	Bridge	
			IPv4	IPv6				Interface Mode	VLAN ID
☐	1		172.18.1.2/24		▢	▢			

OK Cancel

---

5. In the Subinterfaces section, click the ＋ Add icon.
6. Select the General tab, and enter information for the following fields.

Add Subinterface

General IPv4 IPv6

Unit *

☐ Disable

Description

MTU	Interface Mode
72...9000	--Select-- ∨

Bandwidth		Anycast Gateway	
Uplink (Kbps)	Downlink (Kbps)	IP Address	MAC Address
1...10000000	1...10000000		

OK Cancel

Field	Description
Unit	Enter a unit number for the subinterface.
Anycast Gateway (Group of Fields)	

Field	Description
◦ IP Address	Enter the IP address of the anycast gateway.
◦ MAC Address	Enter the MAC address of the anycast gateway.

7. Select the IPv4 tab.

8. Click Static Address, and then click the ✛ Add icon and enter an IPv4 address and mask.
9. Click OK.

Supported Software Information

Releases 22.1.1 and later support all content described in this article.

Additional Information

[Configure an EVPN IRB Distributed Gateway](#)

[Configure EVPN VXLAN for SD-WAN](#)
[Configure EVPN VXLAN for ZT-LAN](#)