

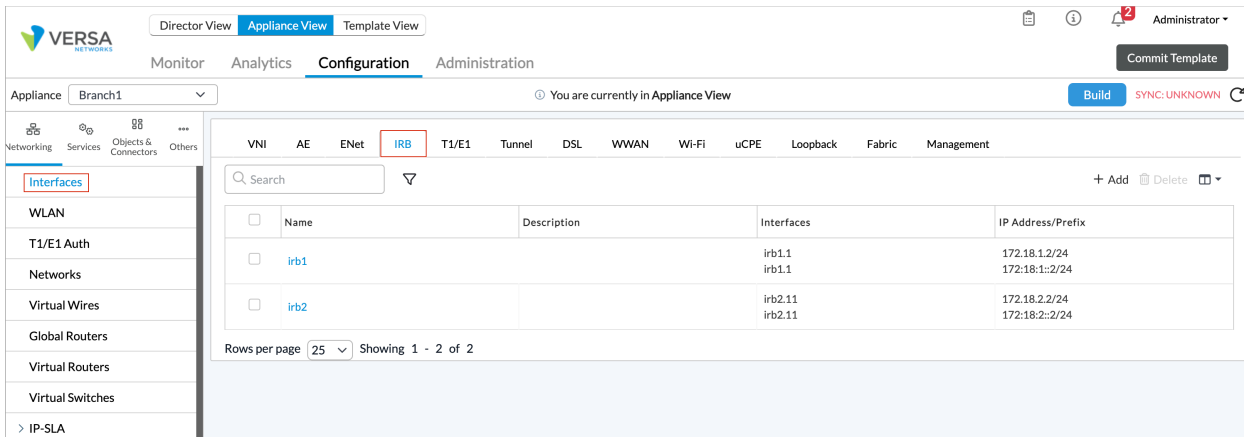
## Configure a Distributed Anycast Gateway

 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.



The screenshot shows the Versa Networks Director interface. The top navigation bar includes tabs for Director View, Appliance View, and Template View. The left sidebar shows the Configuration tab selected, with a sub-menu for Networking > Interfaces. The main pane displays the Interfaces dashboard for Branch1. The dashboard includes a horizontal menu bar with tabs for VNI, AE, ENet, IRB, T1/E1, Tunnel, DSL, WWAN, Wi-Fi, uCPE, Loopback, Fabric, and Management. The IRB tab is selected. Below the menu bar is a table with columns for Name, Description, Interfaces, and IP Address/Prefix. The table lists two IRB interfaces: irb1 and irb2. The IP Address/Prefix column shows 172.18.1.2/24 for irb1 and 172.18.2.2/24 for irb2. The bottom of the dashboard shows 'Rows per page 25' and 'Showing 1 - 2 of 2'.

Name	Description	Interfaces	IP Address/Prefix
irb1		irb1.1 irb1.1	172.18.1.2/24 172.18.1.2/24
irb2		irb2.11 irb2.11	172.18.2.2/24 172.18.2.2/24

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 \*

irb

1

MTU

72...9000

☐ Disable

Description

Subinterfaces

+

<

1

>

25

<input type="checkbox"/>	Unit	VLAN ID	IP Address/Mask		DHCPv4	DHCPv6	MTU	Bridge	
			IPv4	IPv6				Interface Mode	VLAN ID
<input type="checkbox"/>	1		172.18.1.2/24		<input type="checkbox"/>	<input type="checkbox"/>			

OK

Cancel

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

Add Subinterface

General

IPv4

IPv6

Unit \*

☐ Disable

Description

MTU

72...9000

Interface Mode

--Select--

Bandwidth

Uplink (Kbps)

1...10000000

Downlink (Kbps)

1...10000000

Anycast Gateway

IP Address

MAC Address

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.

The screenshot shows the 'Add Subinterface' configuration window with the 'IPv4' tab selected. The 'Static Address' section is highlighted with a red box. It contains a checked 'Static Address' option, a 'Static Address' section with an 'IP Address/Mask' field containing '172.16.1.20/24', and a '+ Add' icon. Other sections include DHCPv4, Reachability Monitor, FQDN, and Static ARP.

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](#)

[https://docs.versa-networks.com/Secure\\_SD-WAN/01\\_Configuration\\_from\\_Director/Common\\_Configuration/Configure\\_Distri...](https://docs.versa-networks.com/Secure_SD-WAN/01_Configuration_from_Director/Common_Configuration/Configure_Distri...)

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