

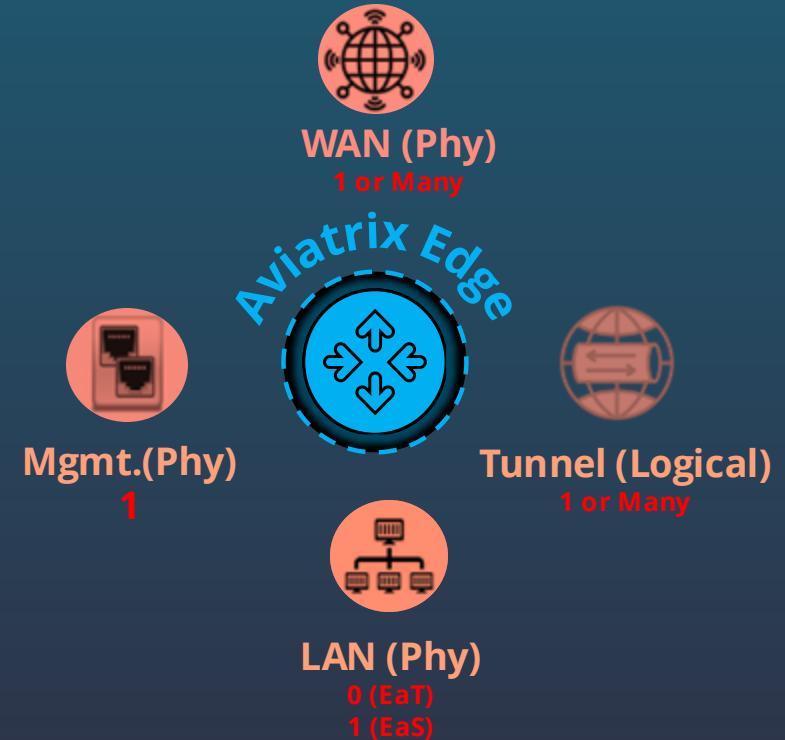
Aviatrix Edge

Technical Details

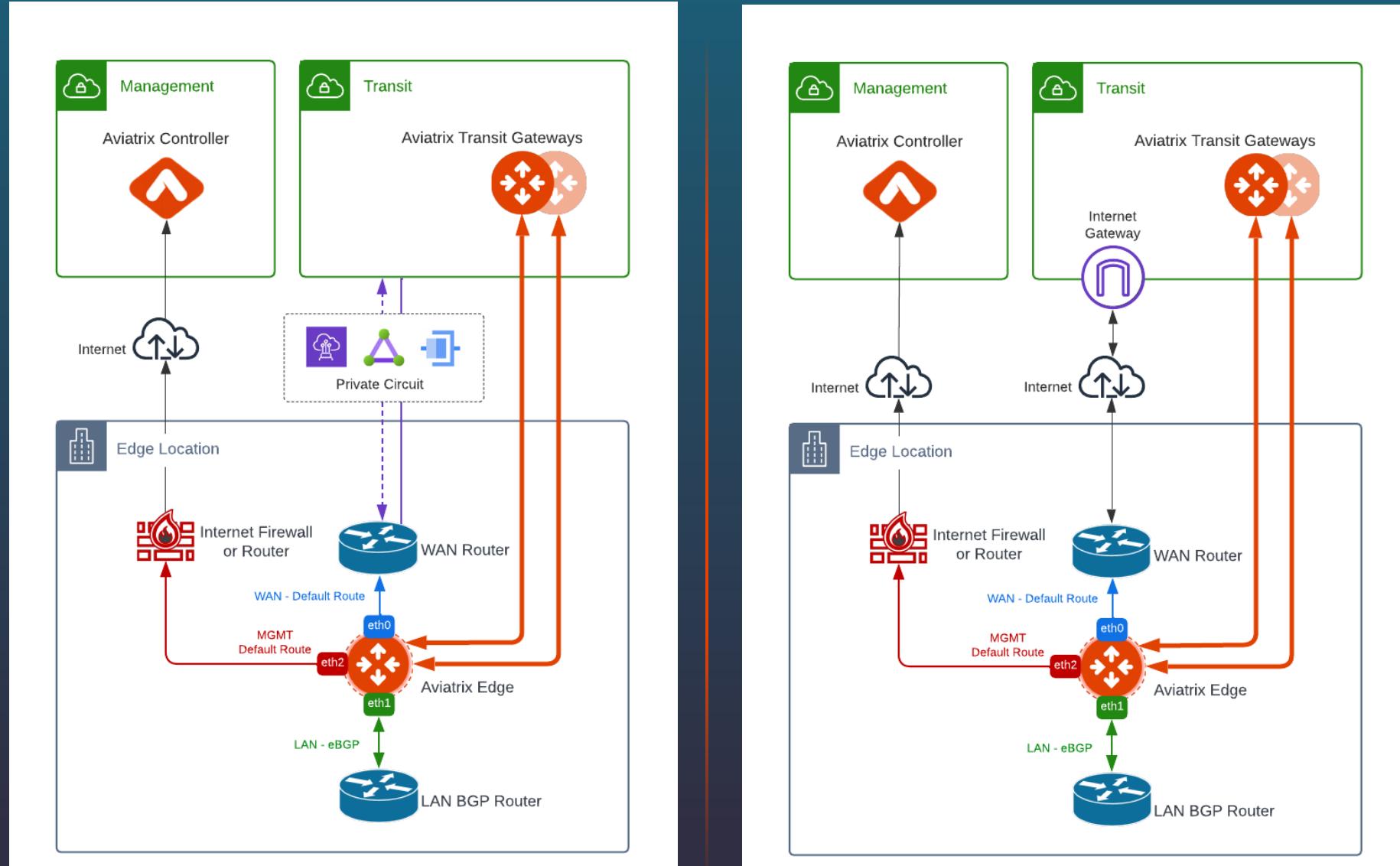


Aviatrix Edge

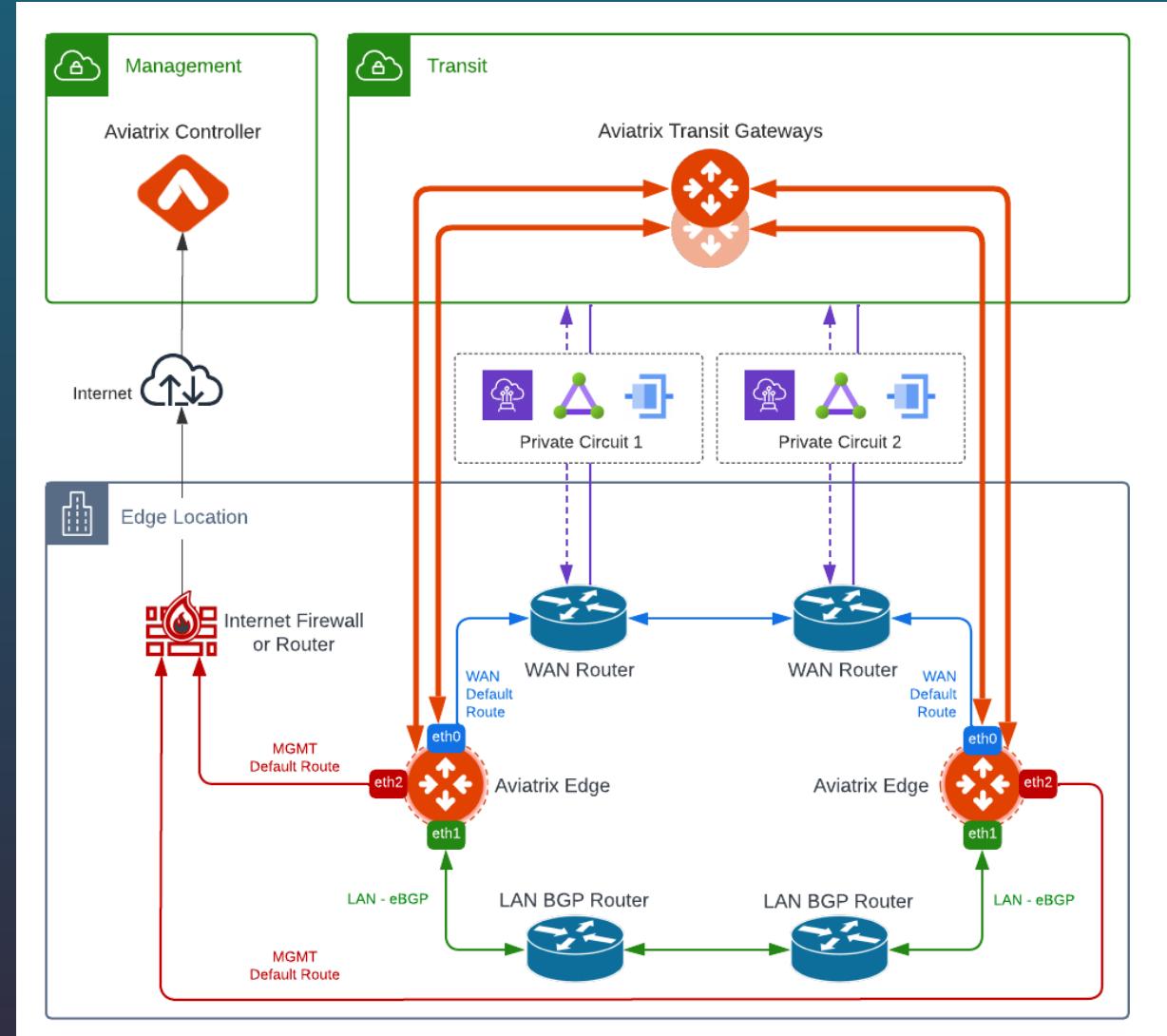
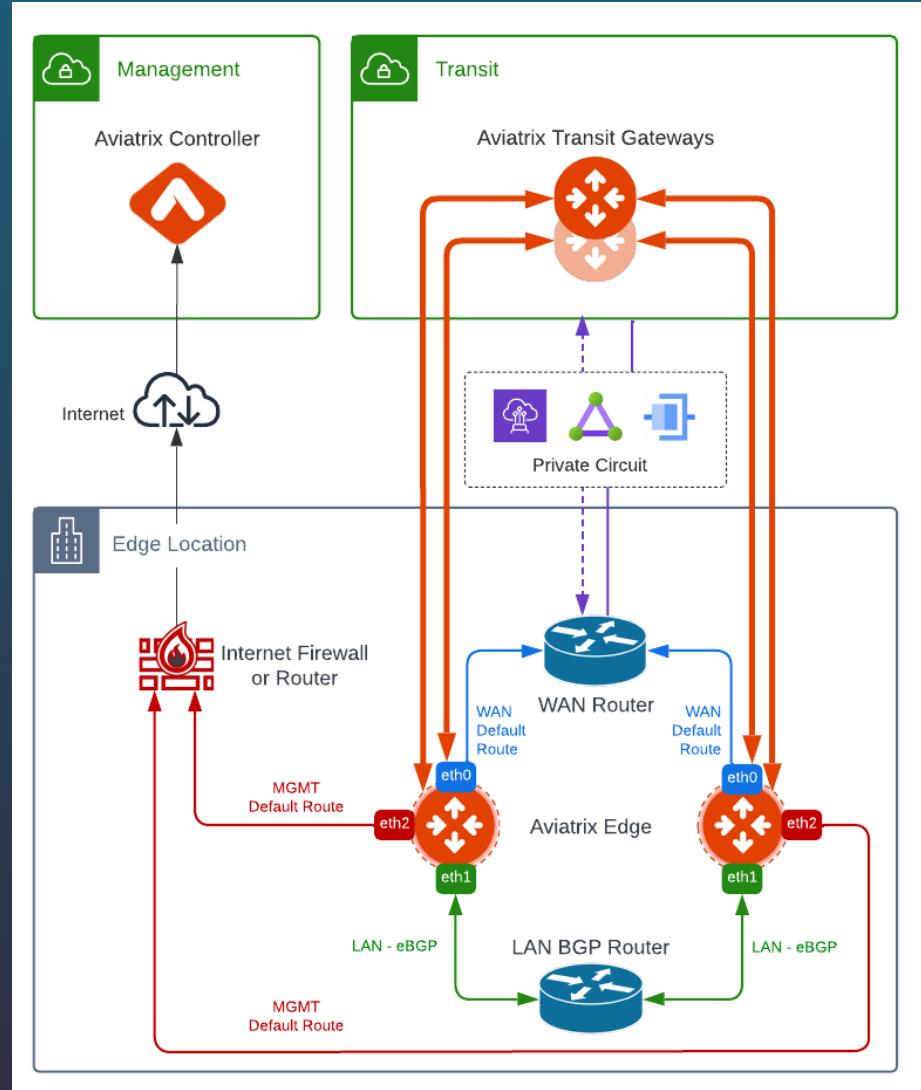
- **WAN Interface**
 - Connects to underlay
- **LAN Interface**
 - Connects to LAN switches, routers, firewalls, virtual devices
- **Management Interface**
 - Outbound access to Aviatrix Controller & software patches
- **Tunnel Interface**
 - Number of overlay tunnel interfaces



Aviatrix Edge Spoke to Aviatrix Transit Attachment

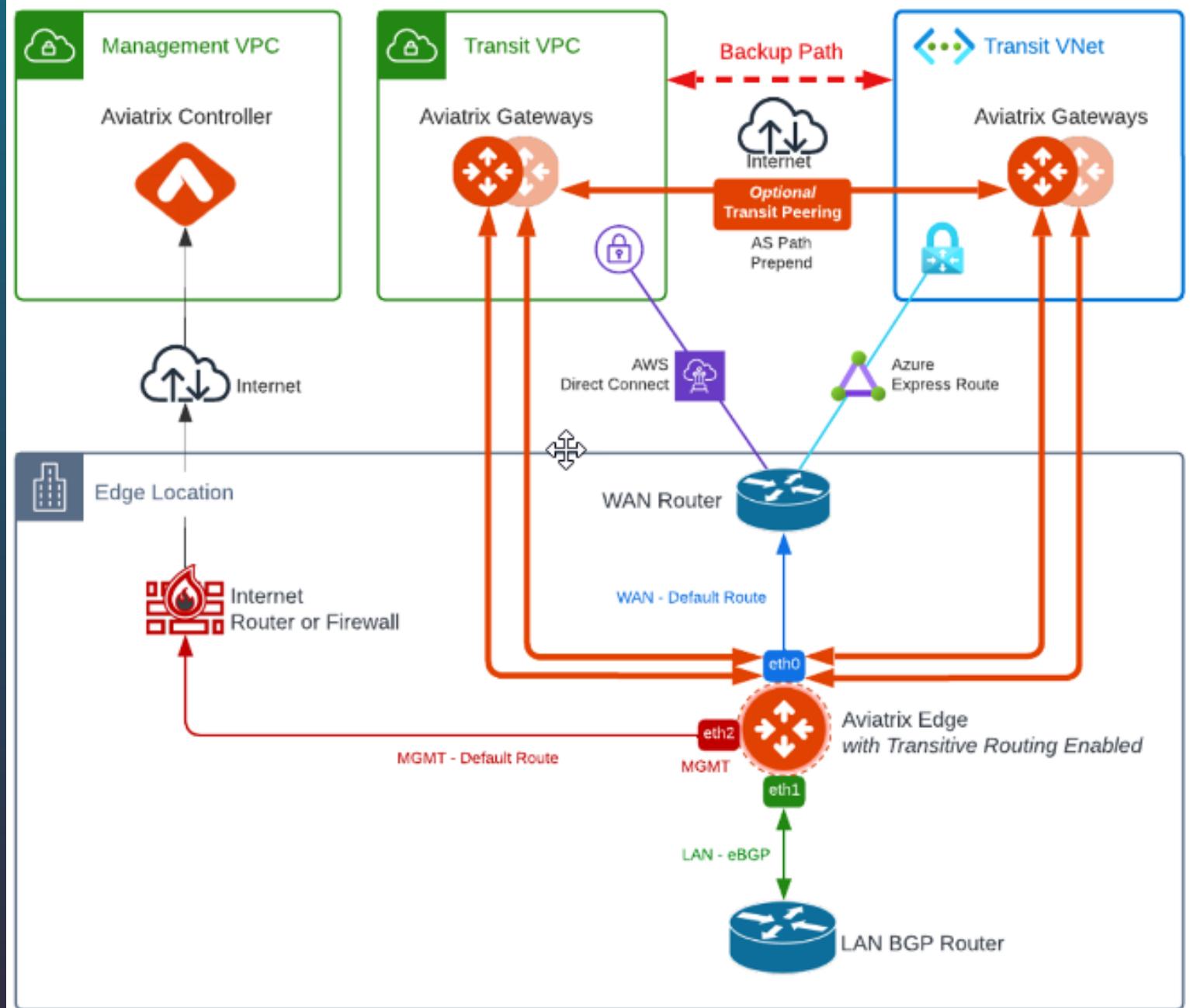


Redundant Edge Spoke Connectivity

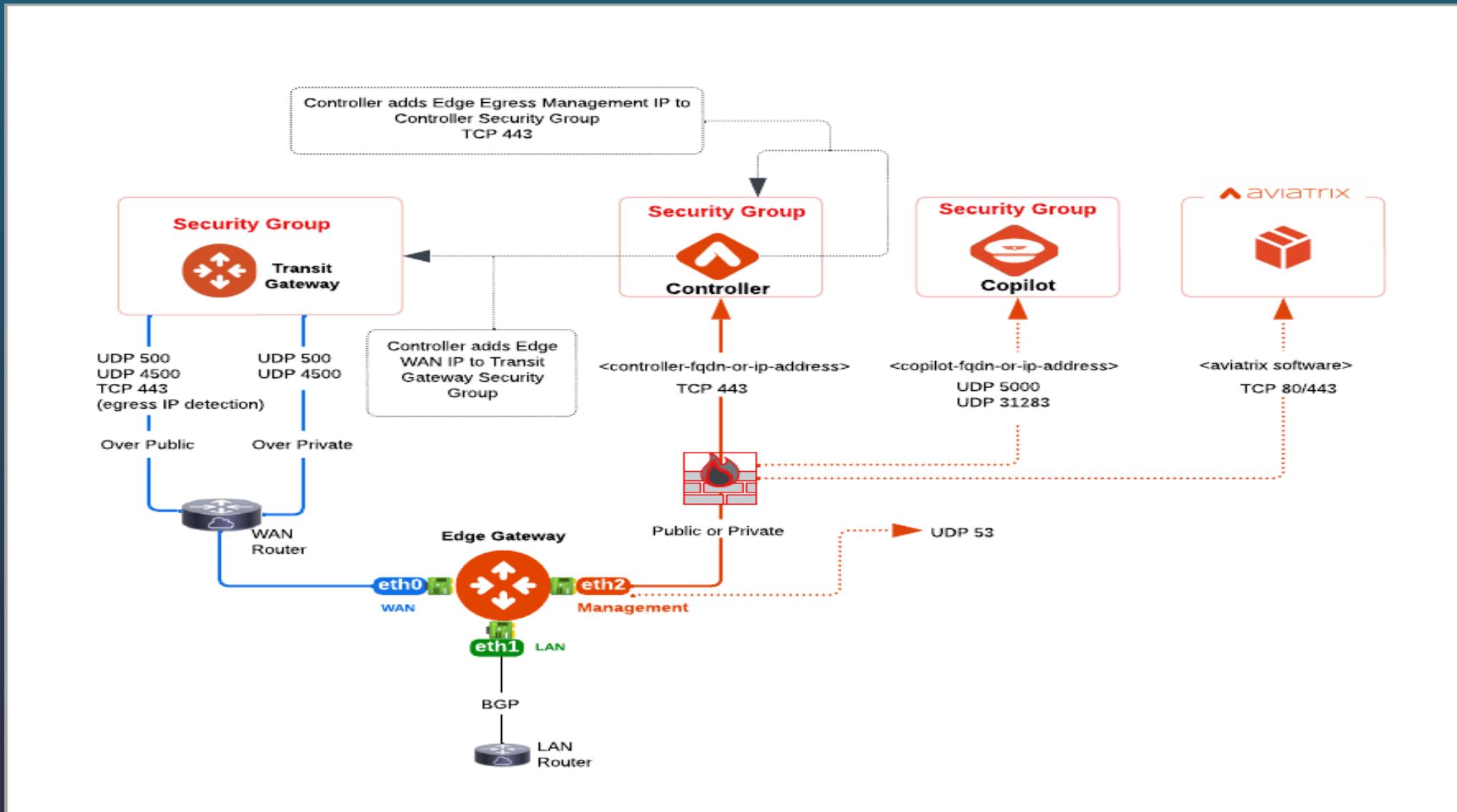


Transitive Routing

- Aviatrix Edge enables forwarding of routes between multiple Transit Gateways
- Transitive Routing is disabled by default
- Configurable feature



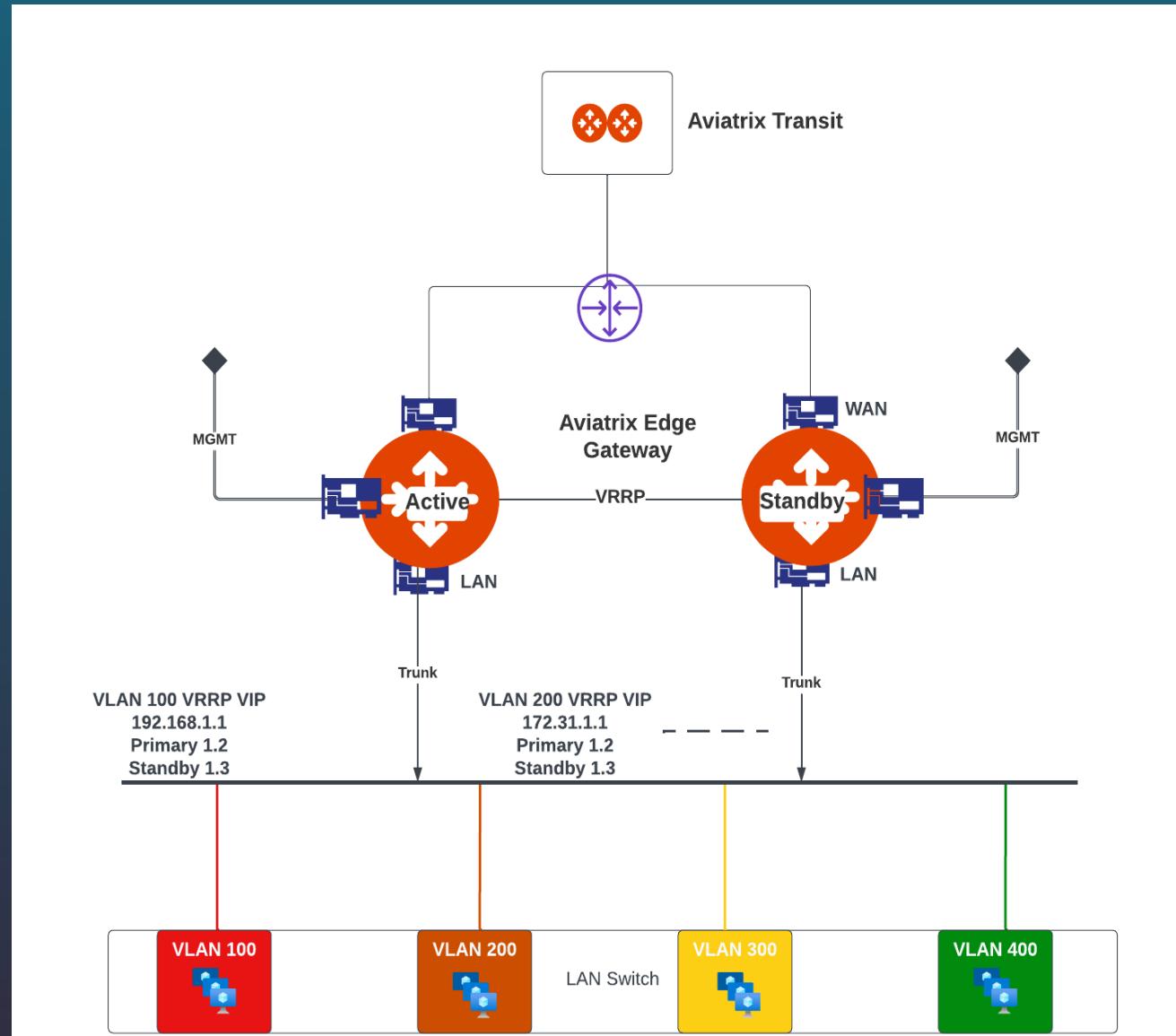
Aviatrix Edge as Spoke Gateway Interfaces Ports and Protocols



Aviatrix Edge as Spoke - VLAN and VRRP Support

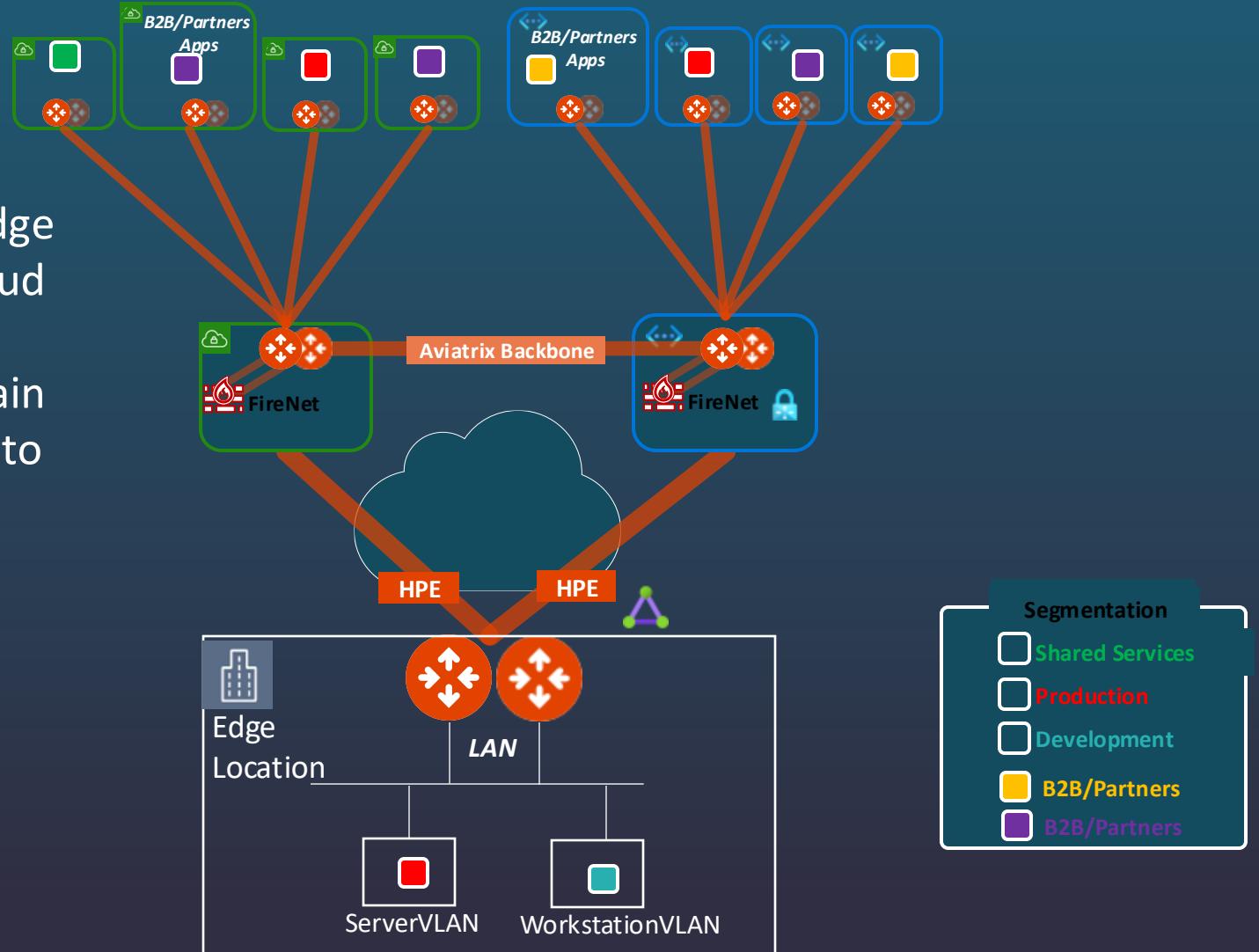
Use case: Large office hub, Factory location with LAN side need

- VLAN support
 - Edge GW can support multiple VLANs on LAN side.
 - Edge as default GW for VLANs CIDRs
 - VLAN range supported: 2-4092
- VRRP support on LAN side:
 - VRRP HA on LAN side – A/S mode
 - Primary GW is active for all VLANs



Aviatrix Edge as Spoke - VLAN Network Domains

- Maintain network isolation from cloud to edge
- Simplified and consistent policies across cloud and network
- VLANs can be associated to a network domain
- Define domain connection policy for VLANs to CSP Spokes and/or VLAN to VLAN traffic
- Easily extend the segmentation domains to new connections



Aviatrix Edge - DCF using CIDRs

- DFW policy enforcement using CIDRs at Edge
- Secure workload access on-prem <-> cloud

The screenshot shows the Aviatrix DCF interface under the 'Rules' tab. A single rule is listed:

Priority	Name	Source	Destination	Action
0	● LANServertoDBAcce	LANServer	DBServer	Allow

Details for the rule:

Priority	Source	Destination	Protocol
0	LANServer	DBServer	Any

Action details:

Action	Port	Logging	Traffic Count
Allow		On	150

Entity details:

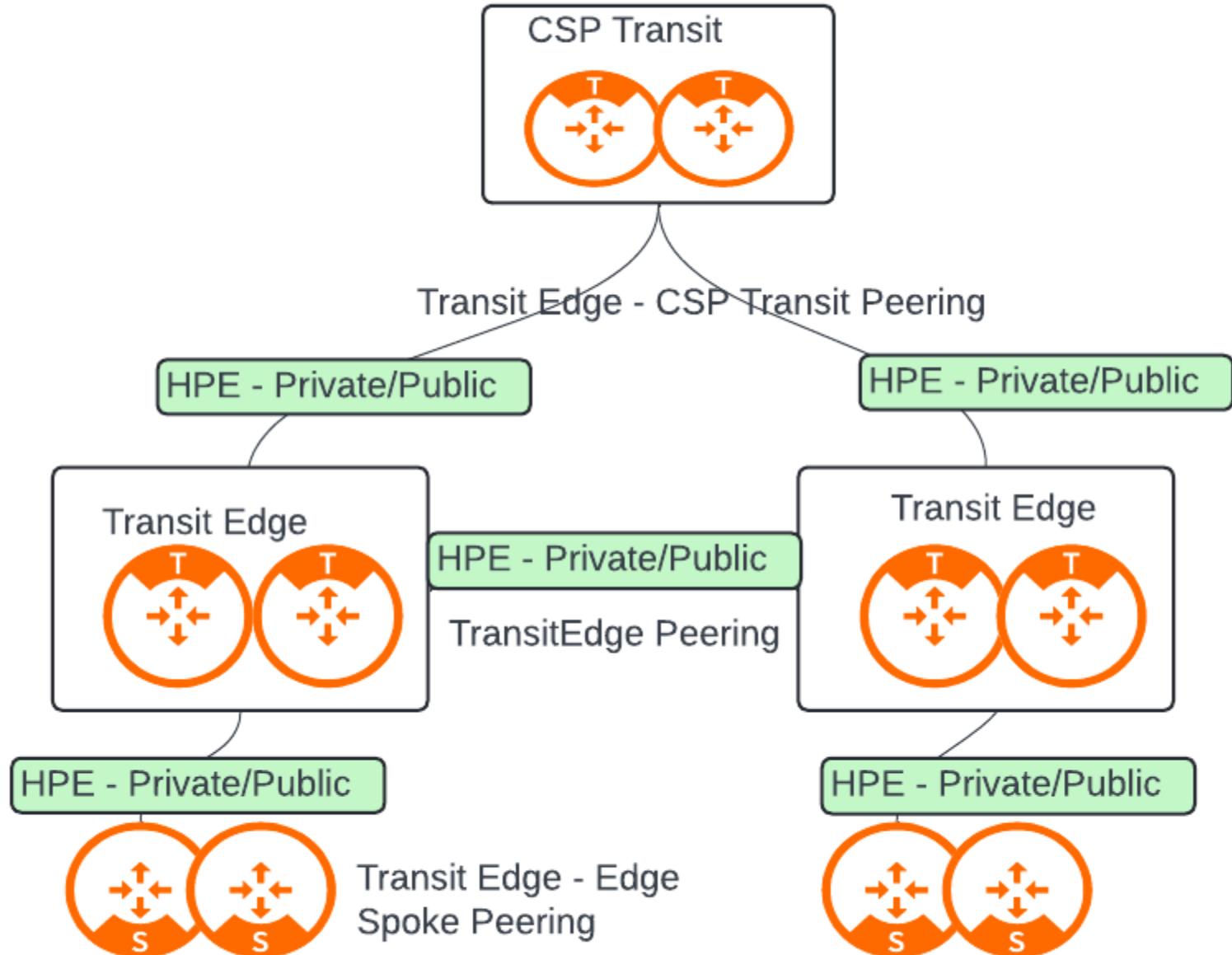
Source Entities (1)		Destination Entities (1)		Statistics
Name	Type	Cloud	Region	
10.222.42.1	IP Address			

Central Intent Policy —→ Distributed Enforcement

Transit Edge – Peering

Aviatrix Edge Platform (AEP)

Type	HPE		non-HPE	
	Public	Private	Public	Private
EaT - CSP Transit	Yes	Yes	Yes	Yes
EaT - EaT	Yes	Yes	Yes	Yes
EaT - EaS	Yes	Yes	Yes	Yes

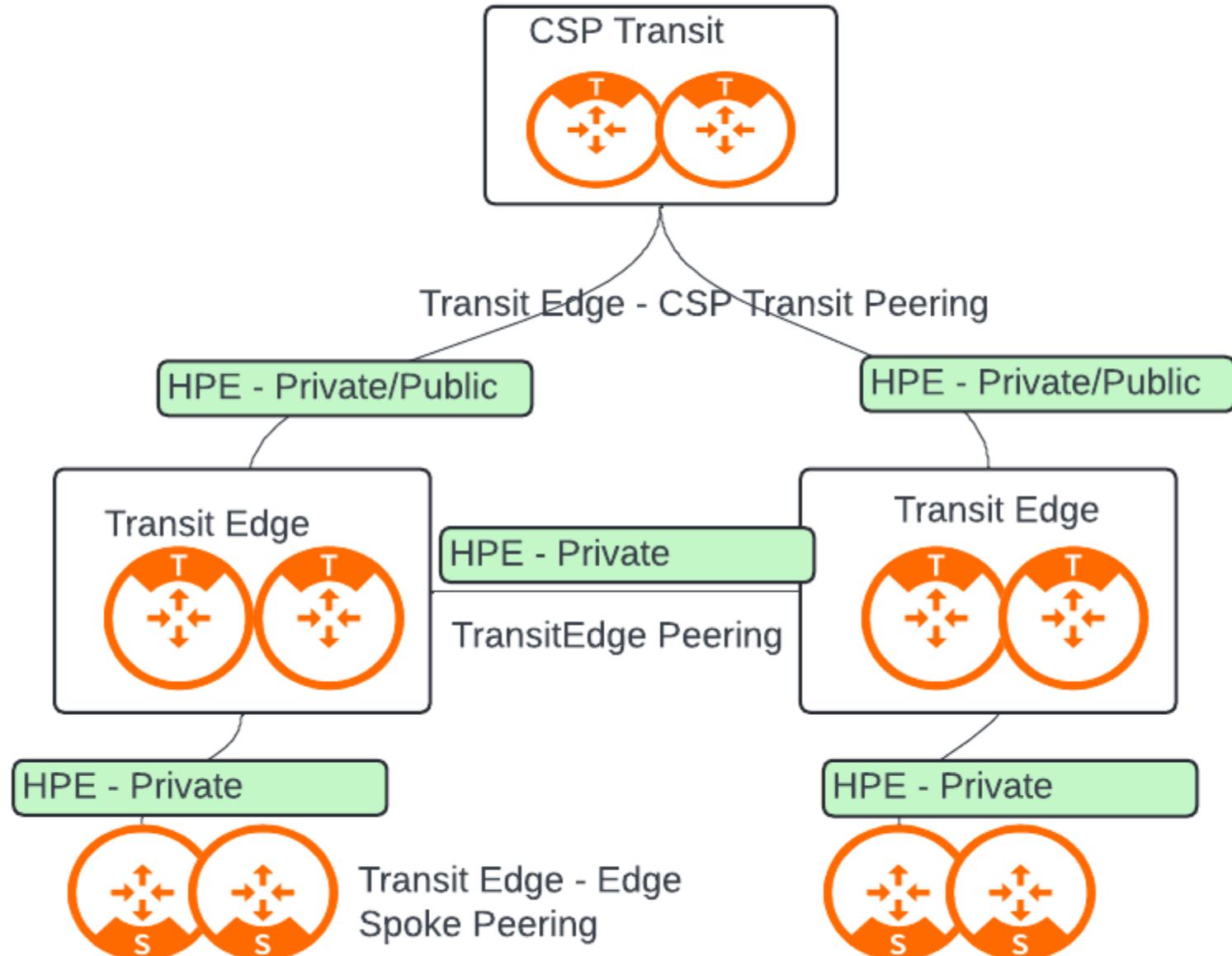


Transit Edge – Peering

Equinix

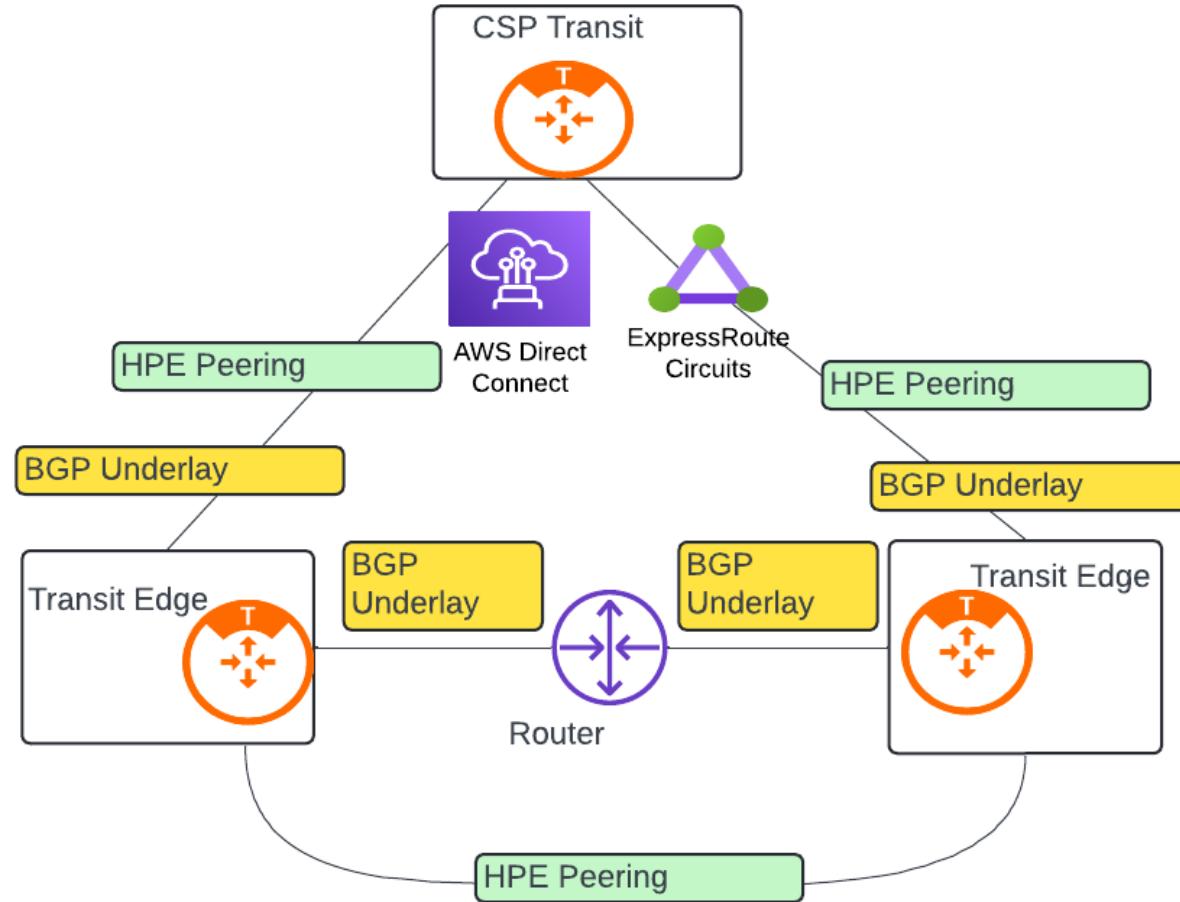
Type	HPE		non-HPE	
	Public	Private	Public	Private
EaT - CSP Transit	Yes	Yes	Yes	Yes
EaT - EaT*	No	Yes	Yes	Yes
EaT - EaS*	No	Yes	Yes	Yes

Equinix Network Edge does not support multiple public IP addresses on a virtual device interface



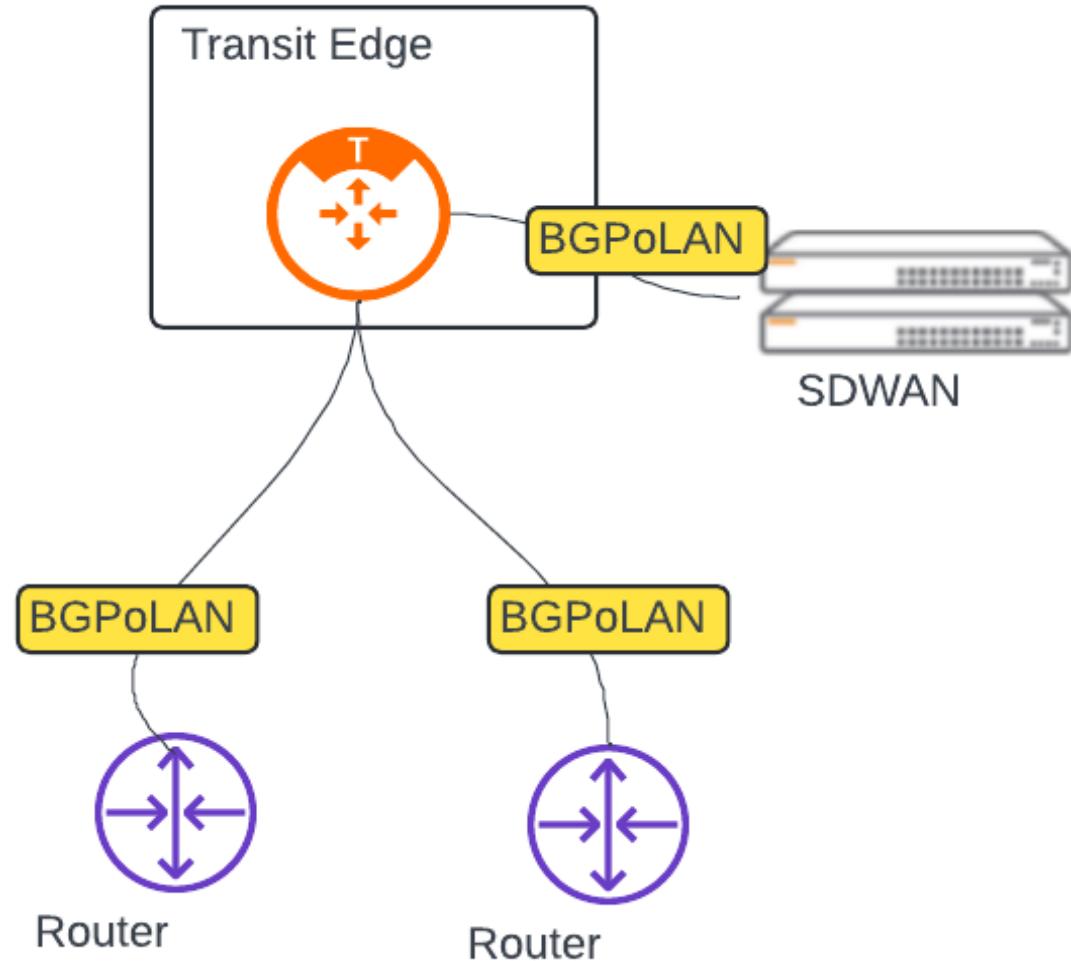
Transit Edge- BGP Underlay

- BGP underlay to private CSP circuits (DX, ER)
- BGP underlay to DC router



Transit Edge- BGPoLN

- BGPoLN to DC routers
- BGPoLN to SDWAN



Transit Edge

- EaT supports most CSP transit features
 - AS path prepend
 - BGP configuration
 - BGP manual summary
 - Route Approval
 - Connected Transit
 - MTT
 - Segmentation

The screenshot shows the AviatrIX web interface for managing a Transit Edge gateway named "e2e-edge-transit-1". The top navigation bar includes links for Details, Instances, Gateway Interfaces, Attachments, VPC/VNet Route Tables, Gateway Routes, Interface Stats, Route DB, Performance, and Settings. The main content area displays several configuration sections: Network Address Translation (NAT), General, Border Gateway Protocol (BGP), and Routing.