

Comparing Enterprise Transit Network Features

	AWS Native Transit	Azure Native Transit	AviaTRIX Transit
Networking			
AWS TGW Routes Scalability	100 BGP Routes, No VPC CIDR summarization	N/A	No scalability concerns
Azure UDR Routes Scalability	N/A	400 Routes per table	No scalability concerns
Intra-Region Transit Peering	No	Yes	Yes
Multi-Region Connectivity	Limited	Yes	Yes (High Performance)
Multi-Cloud Connectivity	No	No	Yes
Number of Transit Gateways in a region	5	N/A	No Limit
VPC/VNet Route Table Management	No (Manual)	NO (Only available with vWAN)	Yes (Automated)
Overlapping IPs Support	No	No	Yes
BGP AS Path Prepend Per Transit	No	NO (Only available with VPN & ER)	Yes
BGP AS Path Prepend Per BGP Neighbor	No	No	Yes
Intelligent Traffic Engineering	No	No	Yes
Routes Propagation with BGP Information	No	Yes	Yes
Active/Standby Mode for Symmetric Routing (Firewalls)	No	No	Yes
Private Multi-Cloud Transit Peering	No	No	Yes
Update VNet Address Space w/o Detaching	N/A	No	Yes
Transit BGP over GRE	NO (Only for appliances in a VPC)	No	Yes
Transit BGP w/o any tunneling protocols	No	No	Yes
Per Neighbor BGP Summary	No	No	Yes
Multi-Region Spokes-Transit Connectivity (DR)	No	No	Yes
IPsec with Transit on Private IPs	No	No	Yes
Security			
End-to-End Encryption	No	No	Yes
Multi-Cloud Network Segmentation / Security Domains	No	NO (Manual - only available with vWAN)	Yes
Edge Segmentation	Manual	NO (Only available with vWAN)	Yes
Site-to-Cloud Performance	~1.25Gbps	~1.25Gbps	~50Gbps
High-Performance Encryption (up to 75 Gbps)	No	No	Yes (High Performance)
Automated Traffic Redirection to Firewalls	No	NO (Only available with Azure FW & vWAN)	Yes
Intra Security Domain Firewall Inspection	No	N/A	Yes
Exclude Firewall Inspection Addresses	No	No	Yes
Discover Unencrypted Traffic Flows	No	No	Yes
Multi Region/Cloud Traffic Inspection Control	No	No	Yes
Operations			
Routing Control (Network Route Approval)	No	No	Yes
Per BGP Neighbor Route Approval	No	No	Yes
Enterprise Grade Visibility	No	No	Yes
Troubleshooting	Limited (Complex)	Limited (Complex)	Includes Advanced Tools
Network Design Repeatability (Intra Region)	No	Yes (Complex)	Yes
Transit Network Correctness (Intelligently propagate non-RFC routes b/w on prem and spokes or b/w spokes)	No	No	Yes (Automated)

Automated Routes Audit (nightly audit If routes were modified outside of controller)	No	No	Yes
On-Demand Routes Audit (same as above but on demand)	No	No	Yes
Multi-Cloud Terraform Provider	No	No	Yes
Network CIDR Filtering Across Regions (e.g. route filtering b/w region to region if overlapping or black hole route is detected)	No	No	Yes
Ability to capture TCP sessions (Realtime Traffic Flow Logs)	No	No	Yes (FlowIQ with link latency and resource tagging)
Dynamic Topology Map, Flow Chart, Detail Flow Analytics, Latency and Tag-based management	No	No	Yes (CoPilot)
Dynamic Sessions Visibility	No	No	Yes