Comparing Enterprise Transit Network Features

	AWS Native Transit	Azure Native Transit	Aviatrix Transit
Performance and Scale			
AWS TGW Routes Scalability	100 BGP Routes, No VPC CIDR summarization	N/A	**No scalability concerns**
Azure UDR Routes Scalability		400 Routes per table	**No scalability concerns**
Site-to-Cloud Performance	~1.25Gbps	~1.25Gbps	**~10Gbps**
Intra-Region Transit Peering	No	Yes	**Yes**
Multi-Region Connectivity	Limited	Yes	**Yes** (High Performance)
Multi-Cloud Connectivity	No	No	**Yes** (High Performance)
Number of Transit Gateways in a region	5	N/A	**No Limit**
Security			
End-to-End Encryption	No	No	**Yes**
Global Security Domains / Network Segmentation	No	No	**Yes**
Edge Segmentation	Manual	No	**Yes**
High-Performance Encryption (up to 75 Gbps)	No	No	**Yes** (High Performance)
Operational Control			
VPC/VNet Route Table Management	No (Manual)	No (Manual)	**Yes** (Automated)
Routing Control (Network Route Approval)	No	No	**Yes**
Enterprise Grade Visibility	No	No	**Yes**
Overlapping IPs Support	No	No	**Yes**
Troubleshooting	Limited (Complex)	Limited (Complex)	**Includes Advanced Tools**
Network Design Repeatability (Intra Region)	No	Yes (Complex)	**Yes**
BGP AS Path Prepend	No	No (Only available with VPN & ER)	**Yes**
Routes Propagation with BGP Information	No	Yes	**Yes**
Automated Traffic Redirection to Firewalls	No	No (Only with Azure FW & vWAN)	**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)