

## Comparing Cisco CSR 1000v Transit to Aviatrix Cloud Network Platform

Feature	Aviatrix	Cisco CSR 1000v
<b>Platform</b>		
Software	Cloud Native	Traditional from legacy hardware
Deployment	System with Central Controller	Individual Virtual Devices
Management Interface	GUI or Terraform Automation (API)	CLI
Multi-Cloud	Yes	Yes
Route Table Entries	Thousands	100, Limited by native CSP constructs
<b>Performance &amp; High-Availability</b>		
Active-Active	Yes	Only Active-Active for on-prem connection, but limited to Active-Standby by native CSP constructs
Detection/Failover	Yes	Only for Virtual Appliance, Not Tunnel
Cloud Aware	Yes	No, Manual
Tunnel and Gateway HA	Yes, AWS, Azure, Google, Oracle	Only AWS
Throughput Performance	Up to 94 Gbps	<1.25 Gbps
Support for Jumbo Frames	Yes, up to 9k bytes	No
<b>Security</b>		
Egress Filtering with FQDN	Yes	No
Multi-Cloud Network Segmentation	Yes	Manual
High-Performance Encryption	Yes	No
Support for NGFW Insertion	Yes	No
<b>Overlapping IP</b>		
Source and Destination NAT	Yes	Requires Multiple interfaces
Cloud Aware	Yes	No, manual
<b>Monitoring and Alerting</b>		
Built-in Monitoring and Threshold Alerts	Yes	No
Dynamic Topology Mapping	Yes	No
Time Series Performance Charts	Yes	No
Resource Tagging & Clustering	Yes	No
<b>Data Analytics</b>		
Centralized Visibility	Yes	No
Global Traffic Flow Heat Maps	Yes	No
Support for 3 <sup>rd</sup> -Party Tools	Yes	No
<b>Maintenance</b>		
Centralized Software Update	Automated via Controller	Manually Updated
Inline upgrade, no restart	Yes	No
Customization Method	Simple Point-n-Click Interface	Manual through Lambda code
<b>Troubleshooting</b>		
Cloud Diagnostics (FlightPath, AppIQ)	Yes	No
Packet Capture	Yes	No
Simple Log Upload	Yes	No
<b>Cost Optimization</b>		
Minimum EC2 Instance Size	T2-Micro	C4-Large