

Security Close to the Applications

ThreatIQ, Geoblocking and Anomaly Detection

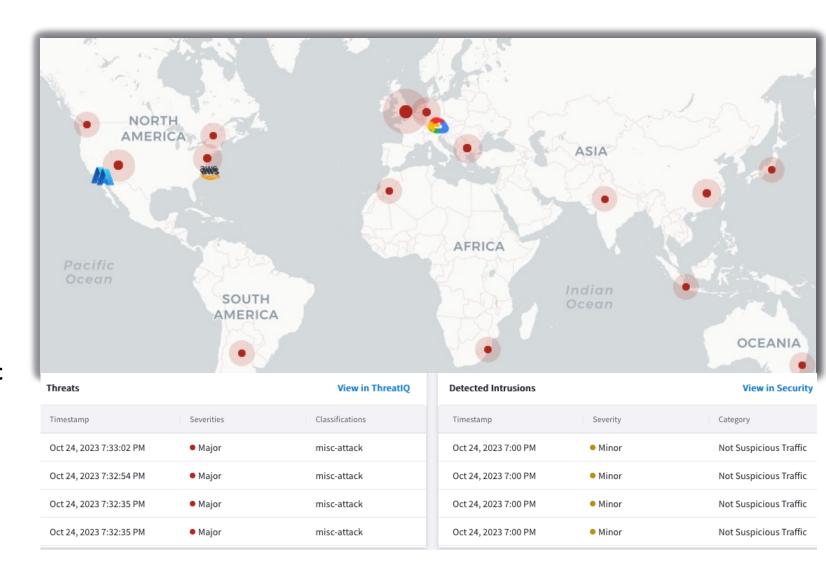
Aviatrix ThreatIQ and Threat Guard





What is it?

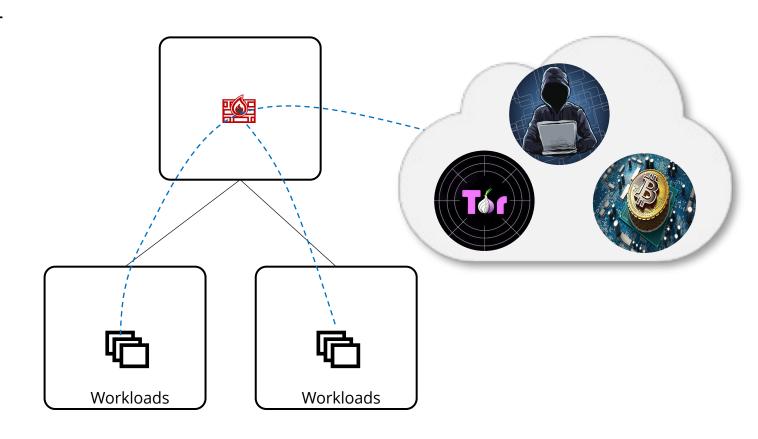
- Multicloud native network security to dynamically identify, alert, and remediate potential threats to known malicious destinations
- Distributed threat visibility and control built into the network dataplane at every hop
- Identify potential data exfiltration and compromised host
- No data-plane performance impact
- Complementary security solution with full multicloud support





Why should enterprises care about it?

- Internet access is everywhere in the cloud and on by default for some CSPs
- Funneling traffic through choke points or 3rd party services is inefficient and ineffective
- Protect business from security risks associated to:
 - Data exfiltration
 - Botnets
 - Compromised hosts
 - Crypto mining
 - TOR
 - DDoS, and more





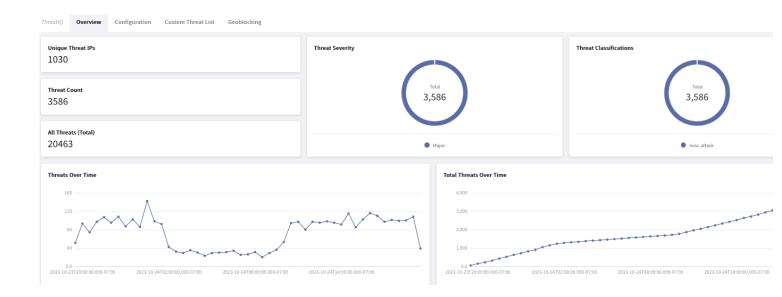
How does it work?

Distributed Inspection & Notification

- Aviatrix gateways across Multicloud environment send real-time NetFlow data to CoPilot
- CoPilot analyzes the data on all public destinations against well-known Threat DB
- CoPilot alerts on any potential threats in the environment
- CoPilot provides extreme visibility of the impacted communication flow

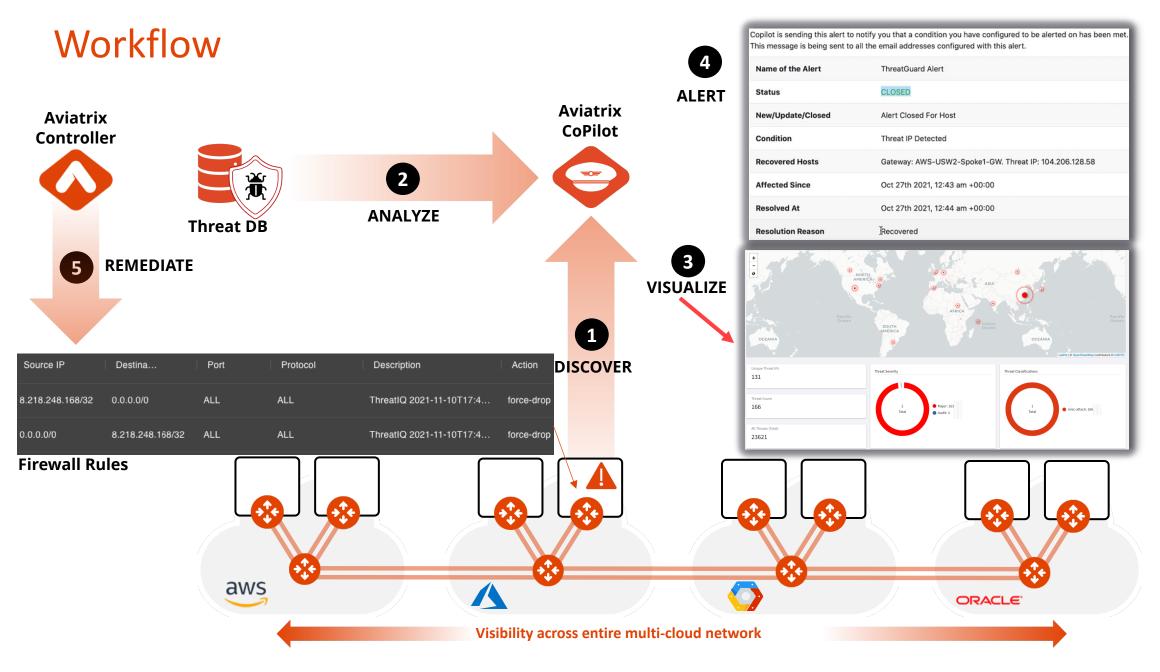
Distributed Enforcement

- CoPilot informs Aviatrix Controller to push firewall policies to all the Aviatrix gateways in the data path
- Firewall policies automatically get updated with the current status of the threat
- Blocking threats with firewall policy is optional but recommended







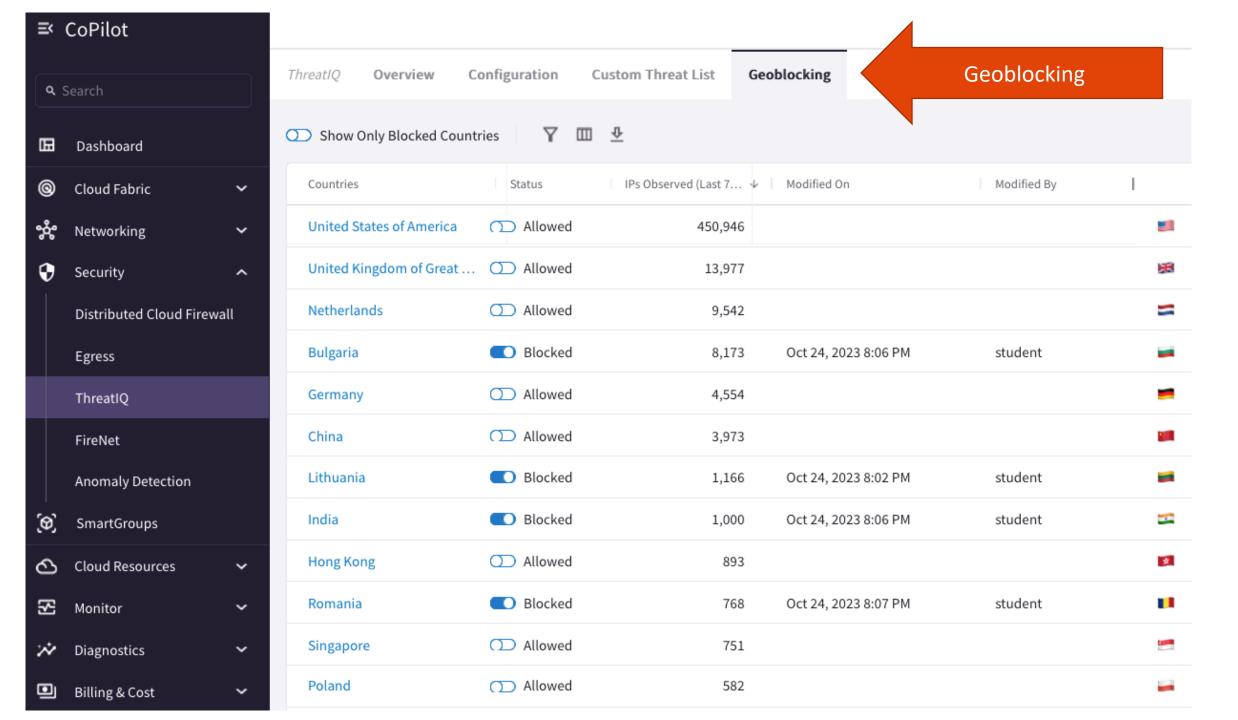




Block Threats Based on Geographic Location





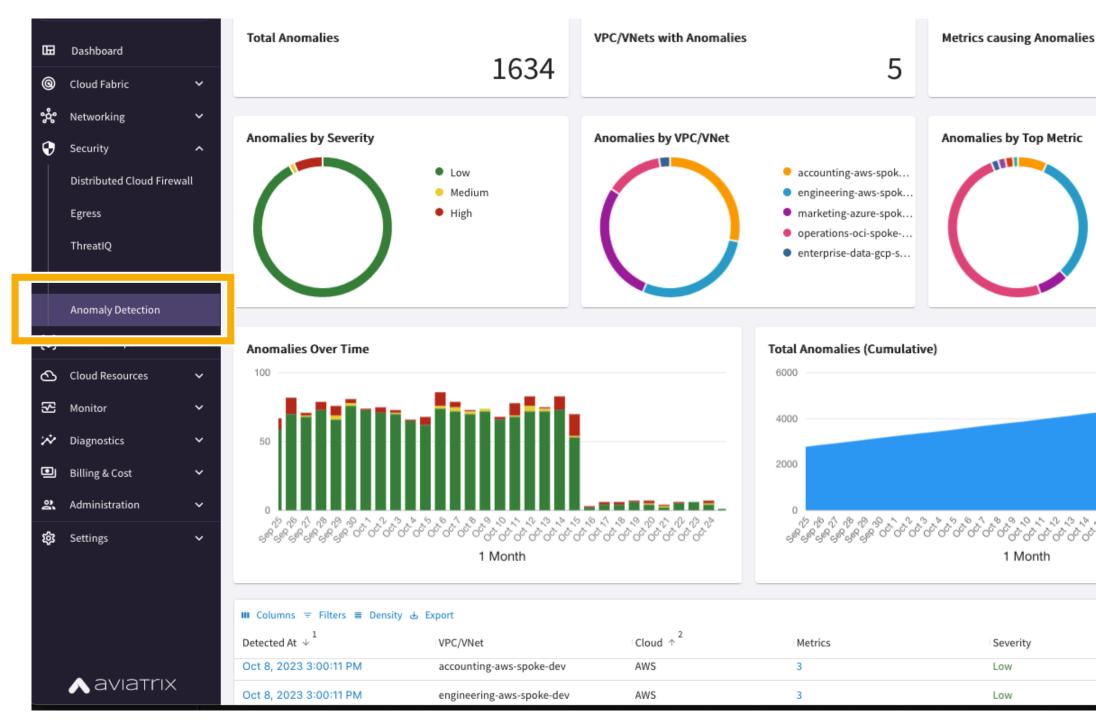


Network Behavior Analytics

Aviatrix Anomaly Detection







Number of Egress Ports

Number of Ingress Ports

Number of Ingress IPs

Egress Bytes

Total Packets

Ingress Bytes

Search Anomalies

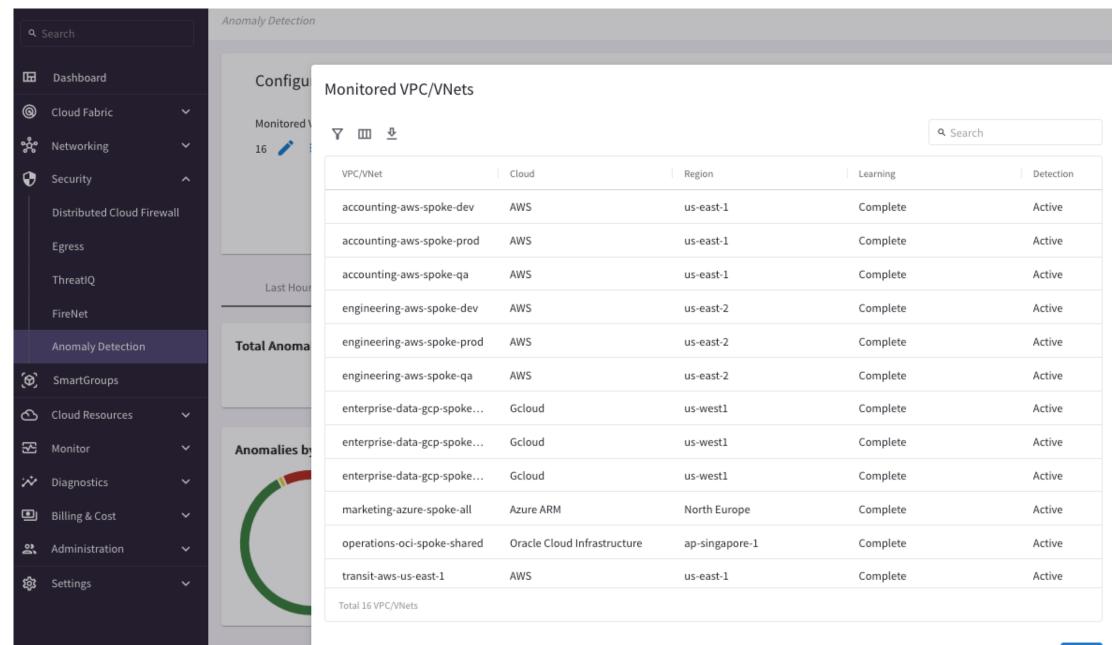
Anomaly

Total Bytes

a Search		M	anage	Monitored VPC/VNets										
Ш	Dashboard		Available 0/2 selected			Filter				Monitored 0/16 selected		Filter		
@ %	Cloud Fabric Networking			VPC/VNet Name	Cloud		Region			VPC/VNet Name	Cloud		Region	
•	Security			operations-aws-spoke-landing-z	aws		us-east-1 avx-edge-default			accounting-aws-spoke-dev	aws		us-east-1	
	Distributed Cloud Firewal			sv-metro-equinix-demo-edge-site	aviatrix	aviatrix				accounting-aws-spoke-prod	aws		us-east-1	
	ThreatIQ									accounting-aws-spoke-qa	aws		us-east-1	
	FireNet							>		engineering-aws-spoke-dev	aws		us-east-2	
(-)	Anomaly Detection									engineering-aws-spoke-prod	aws		us-east-2	
3 (8)	SmartGroups Cloud Resources									engineering-aws-spoke-qa	aws		us-east-2	
	Monitor									enterprise-data-gcp-spoke-dev	gcp		us-west1	
	Diagnostics									enterprise-data-gcp-spoke-prod	gcp		us-west1	
5500	Billing & Cost Administration									enterprise-data-gcp-spoke-qa	gcp		us-west1	
鐐	Settings	Learning Period This is only set for the newly added VPC/VNets and does not change any learning period for already monitored VPC/VNets Learning Period (Weeks) 4												
	Learning Period (Weeks) —													



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Aviatrix Certified Engineer (ACE)

Anomalies O





