

ON-PREMISES	AWS	AZURE	GOOGLE
Stateful Firewall	Security Groups AWS Network ACLs	Network Security Groups (NSG)	Cloud Armor VPC Firewall
IPS/IDS/HIPS	3 <sup>rd</sup> Party Only	3 <sup>rd</sup> Party Only	3 <sup>rd</sup> Party Only
Web Application Firewall (WAF)	AWS WAF AWS Firewall Manager	Application Gateway	Cloud Armor
SIEM Log Analytics	AWS CloudTrail Amazon GuardDuty	Log Analytics (OMS)	Stackdriver Logging
Antimalware	3 <sup>rd</sup> Party Only	Microsoft Antimalware / Azure Security Center	Cloud Security Scanner
Privileged Access Management (PAM)	3 <sup>rd</sup> Party Only	3 <sup>rd</sup> Party Only	3 <sup>rd</sup> Party Only
Data Loss Prevention (DLP)	Amazon Macie	Information Protection (AIP)	Cloud Data Loss Prevention API
Vulnerability Assessment	Amazon Inspector AWS Trusted Advisor	Azure Security Center	Cloud Security Scanner
Email Protection	3 <sup>rd</sup> Party Only	Information Protection Office 365	Various controls embedded in G-Suite
Web/URL Filtering	3 <sup>rd</sup> Party Only	3 <sup>rd</sup> Party Only	3 <sup>rd</sup> Party Only
SSL Decryption Reverse Proxy	Elastic Load Balancer	Application Gateway	HTTPS Load Balancing
VPN	Virtual Private Cloud (VPC)	Virtual Network SSTP	Google VPN
Key Management	Key Management Service (KMS)	Key Vault	Cloud Key Management Service
Encryption At Rest	Elastic Block Storage	Storage Encryption for Data at Rest	Part of Google Cloud Platform
DDoS	AWS Shield	Built-in DDoS defense	Cloud Armor
Identity and Access Management	Identity and Access Management (IAM)	Azure Active Directory	Cloud Identity Cloud IAM
Multi-Factor Authentication	AWS MFA	Azure Active Directory	Security Key Enforcement
Centralized Logging	CloudWatch / S3 bucket	Azure Audit Logs	VPC Flow Logs Access Transparency
Load Balancer	Elastic Load Balancer / CloudFront	Azure Load Balancer	Cloud Load Balancing HTTPS Load Balancing
LAN	Virtual Private Cloud (VPC)	Virtual Network	Virtual Private Cloud Network (VPC)
WAN	Direct Connect	ExpressRoute / MPLS	Dedicated Interconnect