

ON-PREMISES	AZURE	AWS	GOOGLE	ORACLE	IBM	ALIBABA	TENCENT
Firewall & ACLs	Azure Firewall Network Security Groups	AWS Network Firewall AWS Network ACLs	VPC Firewall	SmartNIC Oracle CloudGuard	Virtual Router Appliance	Cloud Firewall	VPC Network ACLs Security Groups
IPS/IDS	Azure Firewall	AWS Network Firewall Amazon Detective				Cloud Firewall	Cloud Workload Protection
Web Application Firewall (WAF)	Azure Web Application Firewall (WAF)	AWS WAF AWS Firewall Manager	Cloud Armor WAF	Oracle WAF	Cloud Internet Services	Cloud WAF	Web Application Firewall
SIEM & Log Analytics	Azure Sentinel	Amazon Detective Security Hub/GuardDuty	Chronicle Backstory Event Threat Detection	Oracle Security Monitoring and Analytics	Cloud Log Analysis Cloud Activity Tracker	Log Analysis	Security Operations Center
Data Loss Prevention (DLP)	Azure Inf. Protection M365 Compliance Center	Amazon Macie	Cloud Data Loss Prevention API			Web Application Firewall	
Key Management	Azure Key Vault	Key Management Service AWS Secrets Manager	Cloud Key Management Service	Cloud Infrastructure Key Management	Key Protect Cloud Security	Key Management Service (KMS)	Secrets Manager Key Management Service
Encryption At Rest	Storage Encryption for Data at Rest	EBS/EFS Volume Encryption, S3 SSE	Google Cloud Platform (native)	Cloud Infrastructure Block Volume	Hyper Protect Crypto Services	Data Encryption Service	Key Management Service (Beta)
DDoS Protection	Azure DDoS Protection	AWS Shield	Cloud Armor	Built-in DDoS defense		Anti-DDoS	Anti-DDoS
SSL Decryption Reverse Proxy	Application Gateway	Application Load Balancer	HTTPS Load Balancing		Cloud Load Balancer		
Certificate Management	Azure Key Vault	AWS Certificate Manager	Secret Manager Cloud Key Management		Certificate Manager	Cloud SSL Certificates Service	
Container Security	Azure Defender	Amazon EC2 Container Service (ECS)	Kubernetes Engine	Oracle Container Services	Containers - Trusted Compute	Container Registry	
Identity and Access Management	Azure Active Directory PIM	Identity and Access Management (IAM)	Cloud IAM	Oracle Cloud Infrastructure IAM	Security Verify	Resource Access Management (RAM)	Tencent Cloud Organization
Privileged Access Management (PAM)	Azure AD Privileged Identity Management				Security Verify		
Multi-Factor Authentication (MFA)	Azure MFA	AWS MFA (part of AWS IAM)	Titan Security Key	Oracle Cloud Infrastructure IAM	Security Verify	Resource Access Management (RAM)	
Centralized Logging / Auditing	Azure Monitor Azure Sentinel	CloudWatch / S3 bucket	Stackdriver Mon / Logging Access Transparency	Oracle Cloud Infrastructure Audit	Log Analysis with LogDNA	ActionTrail	Flow Logs
Load Balancer	Azure Load Balancer	Application Load Balancer Classic Load Balancer	Cloud Load Balancing HTTPS Load Balancing	Cloud Infrastructure Load Balancing	Cloud Load Balancer	Server Load Balancer (SLB)	Cloud Load Balancer
LAN	Virtual Network	Virtual Private Cloud (VPC)	Virtual Private Cloud Network (VPC)	SmartNIC	VLANs	Virtual Private Cloud (VPC)	Virtual Private Cloud (VPC)
WAN	ExpressRoute	Direct Connect	Dedicated Interconnect	FastConnect	Direct Link	VPN Gateway Express Connect	Direct Connect (DC)
VPN	Azure Virtual Network Gateway	VPC Customer Gateway AWS Transit Gateway	Google VPN	Dynamic Routing Gateway (DRG)	IPSec VPN Secure Gateway	VPN Gateway	VPN Connection
Governance Risk and Compliance Monitoring	Azure Security Center M365 Compliance	AWS Security Hub AWS Compliance Center	Cloud Security Command Center		Cloud Security & Compliance Center	ActionTrail	CloudAudit
Backup and Recovery	Azure Backup Azure Site Recovery	AWS Backup CloudEndure DR	Object Versioning Cloud Storage Nearline	Archive Storage	Cloud Backup	Hybrid Backup Recovery	
Vulnerability Assessment	Azure Defender Azure Security Center	Amazon Inspector AWS Trusted Advisor	Cloud Security Scanner	Security Vulnerability Scanning Service	Cloud Security Advisor Vulnerability Advisor	PenetrationTest Website Threat Inspector	Cloud Workload Protection
Patch Management	Azure ARC Update Management	AWS Systems Manager		Risk Management Cloud	IBM Cloud Orchestrator		
Change Management	Azure Automation Change Tracking and Inventory	AWS Config				Application Configuration Management (ACM)	
IoT Security	Azure Defender for IoT	AWS IoT Device Defender	Edge TPU IoT Core		Watson IoT Platform Edge Application Manager	IoT Platform Link IoT Edge	
Extended Storage	Azure Data Explorer (ADX) Azure Log Analytics	Amazon S3 Glacier	Cloud Storage for Data Archiving	Archive Storage	Cloud Block Storage	Log Service	
Secure Operation & Management	Azure Bastion		Google Cloud Operation Suite (form. Stackdriver)	OCI Bastion		BastionHost	
Application Security		Amazon Inspector					Mobile Security
Email Protection	Defender for Office 365		Various controls embedded in G-Suite				
Antimalware	Azure Defender					Threat Detection Service (TDS)	
Endpoint Protection	Defender For Endpoint Azure Defender		Shielded VM			Server Guard	
File Integrity Monitoring (FIM)	Azure Defender		Shielded VM				
Cloud Access Security Broker (CASB)	Microsoft Cloud App Security (MCAS)			Oracle CASB			