

# Cloud Security Framework

Business Continuity  
Audit & Assurance

## Governance, Risk, and Compliance

Policies & Standards  
Risk Management  
Compliance (e.g., GDPR, HIPAA, PCI-DSS)

Authentication (MFA, SSO)  
Authorization (RBAC, ABAC)  
Privileged Access Management (PAM)

## Identity & Access Management (IAM)

Lifecycle Management  
Identity Federation

Data Classification  
Data Loss Prevention (DLP)  
Encryption (At rest, In transit, In use)

## Data Security

Data Sovereignty  
Key Management

Segmentation (VPCs, Subnets)  
Firewalls (NSGs, SGs, WAFs)  
Secure VPNs / Direct Connect

## Network Security

Zero Trust Networking  
DNS Security

Secure DevOps (DevSecOps)  
Code Scanning (SAST, DAST)  
API Security

## Application Security

Container/Kubernetes Security  
CI/CD Pipeline Security

SIEM & Logging  
CSPM/CWPP Tools  
IDS/IPS

## Threat Detection & Response

Incident Response Plans  
SOC Integration

Secure Configuration (CIS Benchmarks)  
OS & Patch Management  
Virtual Machines/Instances

## Infrastructure Security

Physical Security (Cloud provider responsibility)  
Serverless Security

Centralized Logging (CloudTrail, StackDriver, etc.)  
Monitoring (Cloud-native tools + 3rd party)

## Security Monitoring & Logging

Forensics Readiness  
Alerting & Correlation

Vendor Assessments  
Shared Responsibility Model

## Third-Party Risk Management

SaaS Security  
SLAs & Security Requirements

Cloud Security Training  
Phishing Simulations

## Training & Awareness

Compliance Awareness  
Security Champions



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