

KEY GLOUD

SEGURITY SECURITY

CONCENTRATIONS











Identity and Access Management

CAPABILITY: Groups, Roles, Policies, Permissions

AWS AZURE GCP

Resource Manager

CAPABILITY: Single Sign On (SSO)

AWS	AZURE	GCP	3RD PARTY
IAM Identity	Microsoft Entra ID	Cloud Identity	Okta
Center			Ping
			Sailpoint
			Oracle IDCS

CAPABILITY: Service Accounts

AWS	AZURE	GCP
Instance Profile	Managed IdentityService PrincipalsUser-Based Service	

CAPABILITY: Customer IAM (CIAM)

AWS	AZURE	GCP
-Amazon Cognito User Pools CAPABILITY: Lea	Entra ID for Customers	 Cloud Identity for Customers and Partners Firebase Authentication Managed Service for Microsoft Active Directory
AWS	AZURE	GCP
IAM Access Analyze	r = Azure RBAC	Cloud IAM



DevSecOps

CAPABILITY: CI/CD Security

AWS	AZURE	GCP
 CodeBuild CodePipeline 	 Azure DevOps Azure Source Code Repositories Azure Branch Policies Azure Key Vault Secrets 	- Cloud Build

CAPABILITY: Infrastructure as Code

AWS	AZURE	GCP
- AWS	Azure Resource Manager	Cloud Resource
CloudFormation	- BICEP	Manager

CAPABILITY: Configuration Management

AWS	AZURE	GCP
- AWS OpsWorks	 Configuration Manager on Azure Azure Automation Azure App Configuration 	GCP – Anthos Config Management

CAPABILITY: Content Delivery and Protection

AWS	AZURE	GCP
- AWS CloudFront	 Azure Content Delivery Network (CDN) 	GCP Cloud CDN



Application Security

CAPABILITY: Static Application Security Testing

>>> 3RD PARTY

OPEN SOURCE

- Veracode
- Synopsys
- Checkmarx
- GitHub Advanced Security

- semgrep
- Betterscan
- Horusec
- Automated Security Helper

CAPABILITY: Software Composition Analysis

>>> 3RD PARTY

- Veracode
- Synopsys
- Checkmarx
- GitHub SCA
- Snyk

OPEN SOURCE

- OWASP Dependency-Check
- retire.jds
- OSS Review Toolkit

CAPABILITY: Dynamic Application Security Testing

>>> 3RD PARTY

OPEN SOURCE

Veracode

ZAP

Synopsys

w3af

Acunetix

Nuclei

CAPABILITY: Web Application Firewall

AZURE

3RD PARTY

OPEN SOURCE

Azure WAF

Cloud WAF

Akamai

ModSecurity

Cloudflare

Imperva

CAPABILITY: Web App and API Protection

AWS - API

AZURE

3RD PARTY

OPEN SOURCE

Curiefence

Gateway

-API

Web App

Akamai

Management = API Application

Gateway

Protection

Cloudflare

Imperva NoName

Salt Security

CAPABILITY: Runtime Application Self-Protection

>>> 3RD PARTY

OPEN SOURCE

Imperva

OpenRASP

- Signal Sciences
- Contrast Security

Data Protection

CAPABILITY: Key Management

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Key Management = Azure Key Vault = Cloud Key Management

Service (KMS) = Azure Dedicated Service (KMS)

Cloud HSM = Google Cloud HSM

CAPABILITY: Secrets Management

AWS	AZURE	GCP	3RD PARTY
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=AWS Secrets = Azure Key Vault = Secret Manager = HashiCorp Manager Vault

Parameter Store

CAPABILITY: Encryption at Rest

AWS AZURE GCP

AWS KMS Azure Key Vault Google Cloud KMS

CAPABILITY: Encryption in Transit

AWS AZURE GCP

-AWS Certificate - Azure Key Vault - Certificate Manager

Manager

CAPABILITY: Certificate Management

AWS AZURE GCP

=AWS Certificate = Azure Key Vault = Certificate Authority Service

Manager Certificate Manager

CAPABILITY: Data Loss Prevention

AWS AZURE GCP

=Amazon Macie = Microsoft Purview = Cloud Data Loss Prevention

CAPABILITY: Cloud Access Security Broker

AZURE

Microsoft Defender for Cloud Apps

CAPABILITY: Data Backup, Restore and Recovery

AWS	AZURE	GCP
AWS Backup	 Azure Backup 	GCP Backup & Disaster Recovery

Infrastructure Security

CAPABILITY: Cloud Security Posture Management

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AZURE	3RD PARTY	OPEN SOURCE
 Microsoft Defender for Cloud 	 Palo Alto Prisma Cloud Palo Alto – Prisma CSPM Orca Wiz 	

CAPABILITY: Network Security

AWS	AZURE	GCP
■ Virtual Private Clou	d =Virtual Network	■ Virtual Private Cloud
AWS Firewall	Azure Firewall	GCP Firewall
Manager	Manager	
Network Access	Network Security	
Control Lists	Groups	
Security Groups		

CAPABILITY: Private Connectivity

AWS	AZURE	GCP		
AWS Direct Connect AWS PrivateLink	Azure Express Route Azure Private Link	Cloud InterConnectPrivate Service Connect		
CAPABILITY: Private Endpoints				

AWS	AZURE	GCP
VPC Endpoints	Network Service Endpoints	■ VPC Service Controls

CAPABILITY: Remote Access

AWS	AZURE	GCP	
Session Manager VPN	Serial Console VPN Gateway	Cloud SSH Cloud VPN	

CAPABILITY: DDoS Protection

AWS AZURE GCF	
AWS Shield Azure DDoS Protection Cloud Arr	nor

Want to Learn More about Cloud Security

Leave a comment below



