Cloud Security Overview

Security and Compliance

SLG Executive Govt Advisor –
Cybersecurity
AWS

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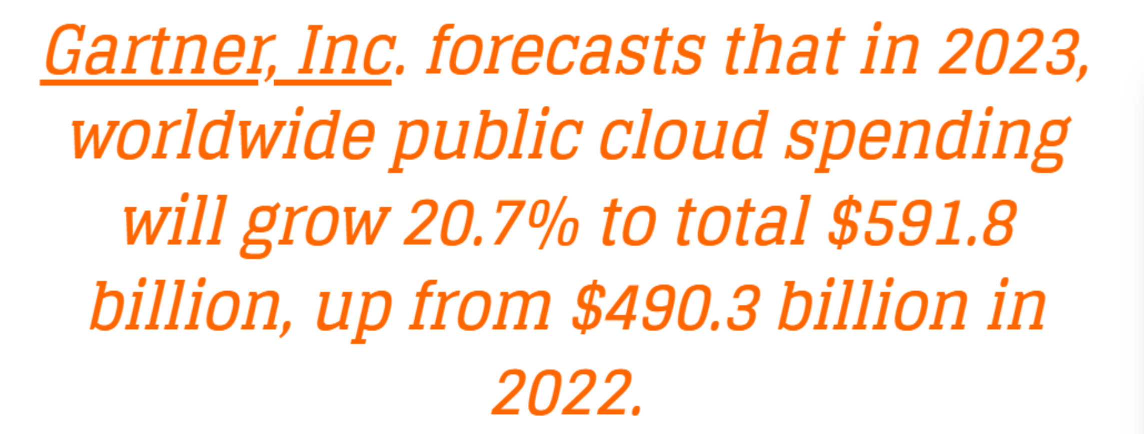
Topics

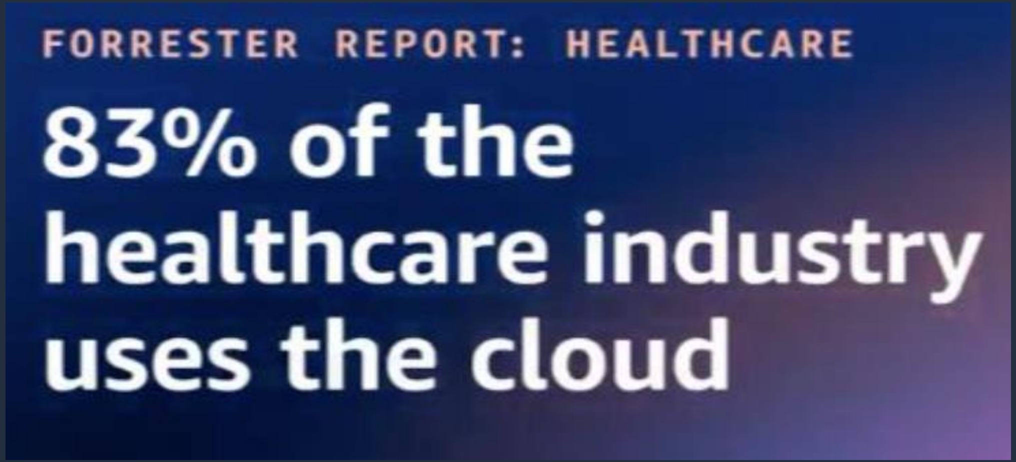
- Why the Cloud
- Shared Responsibility Model
- Reliability & Resilience
- Security & Compliance
- Data Protection & Privacy
- Cyber ecosystem partnerships

Why the Cloud?

- By 2025, enterprises will spend more on public cloud services than traditional IT solutions - Gartner
- 40% of firms will take a cloud-native-first strategy in 2023 - Forrester
- Need for increased agility and efficiency while reducing costs
- Federal mandates supporting cloud adoption e.g. zero trust



Gartner, Inc. forecasts that in 2023, worldwide public cloud spending will grow 20.7% to total $591.8 billion, up from $490.3 billion in 2022.



FORRESTER REPORT: HEALTHCARE

83% of the healthcare industry uses the cloud

Why the Cloud?

Innovation

Speed and Agility

Data Driven

Rapid Scale

Cost Optimized

Sustainable

Robust Security and Compliance

Resilient, Stable, and Reliable

Why the Cloud - Highest standards for privacy and data security

Meet data residency requirements

Encryption at scale

Comply with local data privacy laws by controlling who can access content, its lifecycle, and its disposal

Access services and tools that enable you to **build compliant infrastructure**

Why the Cloud - Infrastructure and services to elevate your security in the cloud

Inherit global security & compliance controls

Scale with superior visibility & control

Highest standards for privacy & data security

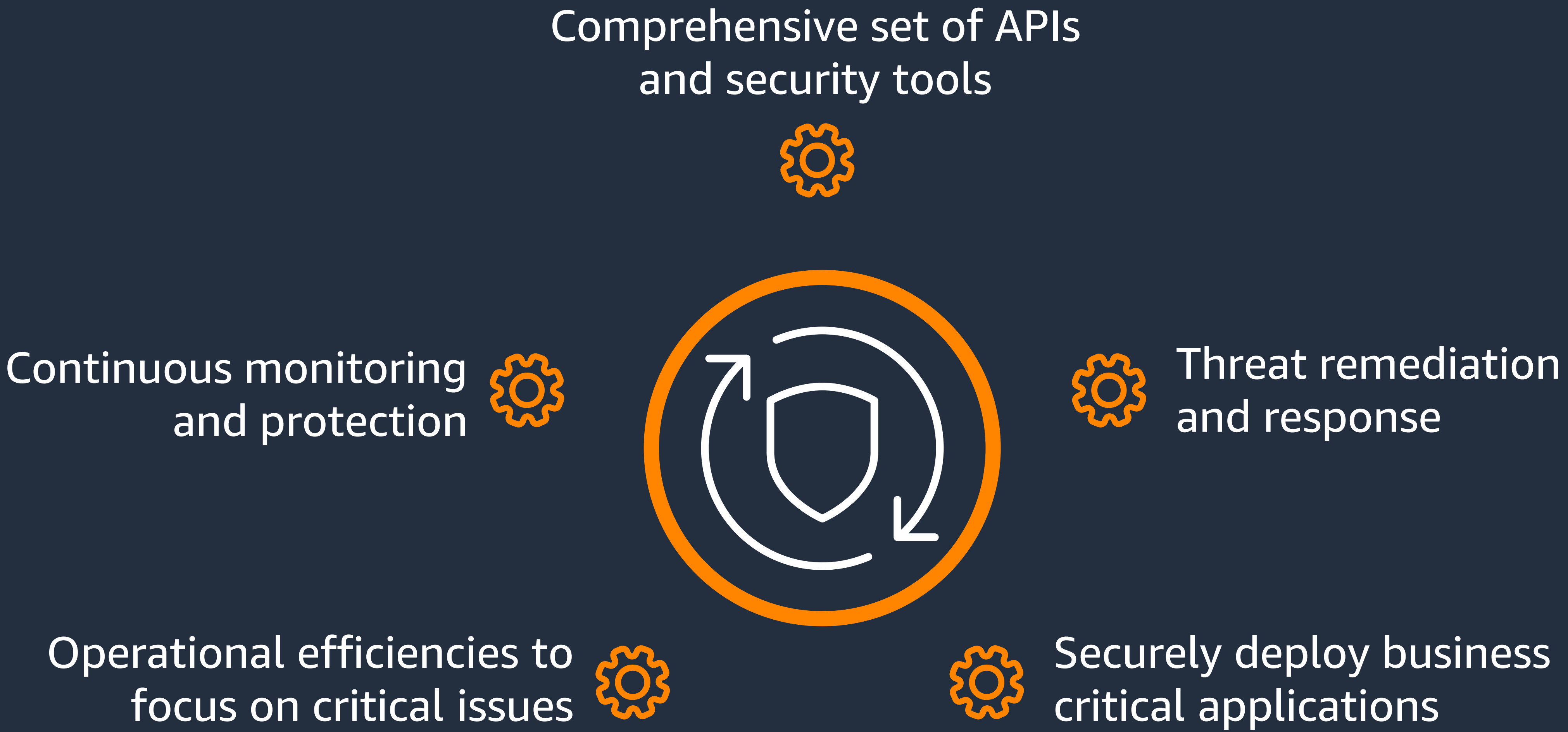
Automate & reduce risk with deeply integrated services

Largest ecosystem of security partners & solutions

Why the Cloud - Inherit global security and compliance controls

CSA cloud security alliance℠	CyberGRX exchange member THIRD-PARTY CYBER RISK MANAGEMENT	ISO 9001 International Organization for Standardization	ISO 22301 International Organization for Standardization	ISO 27001 International Organization for Standardization	ISO 27017 International Organization for Standardization
ISO 27701 International Organization for Standardization	ISO 27018 International Organization for Standardization	PCI Security Standards Council PARTICIPATING ORGANIZATION™	AICPA SOC SOC 1	AICPA SOC SOC 2	AICPA SOC SOC 3
CCCS PIPEDA	CJIS	FR FedRAMP	FERPA	FIPS 140-2 CRYPTOGRAPHY	FISMA
GxP	HIPAA	ITAR International Traffic in Arms Regulations Compliant	MPAA	SEC Rule 17a-4(f)	VPAT Section 508
FINTECH	FISC	irap	정보보호 관리체계 인증 ISMS Information Security Management System	iDA SINGAPORE	FFIEC Federal Financial Institutions Examination Council
C5	CISPE	CYBER ESSENTIALS PLUS	CERTIFICACIÓN DE CONFORMIDAD CON EL ens	G-Cloud	TISAX ENX ASSOCIATION

Why the Cloud - Automate and reduce risk with integrated services



Comprehensive set of APIs and security tools

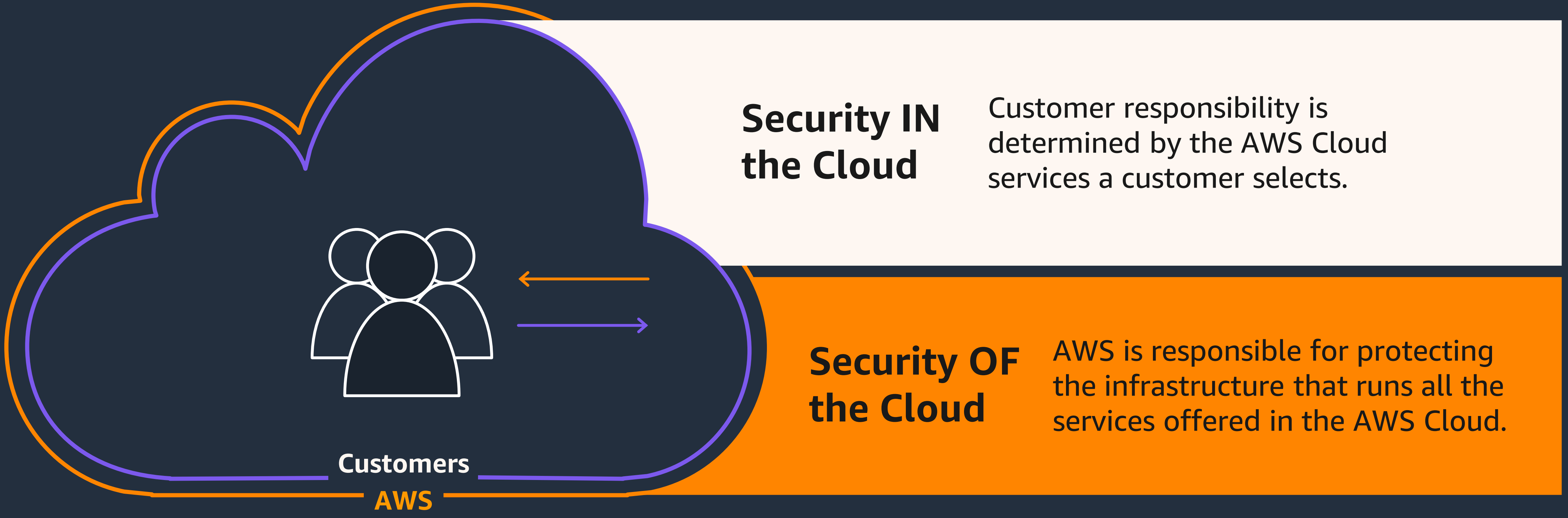
Continuous monitoring and protection

Threat remediation and response

Operational efficiencies to focus on critical issues

Securely deploy business critical applications

Shared Responsibility Model



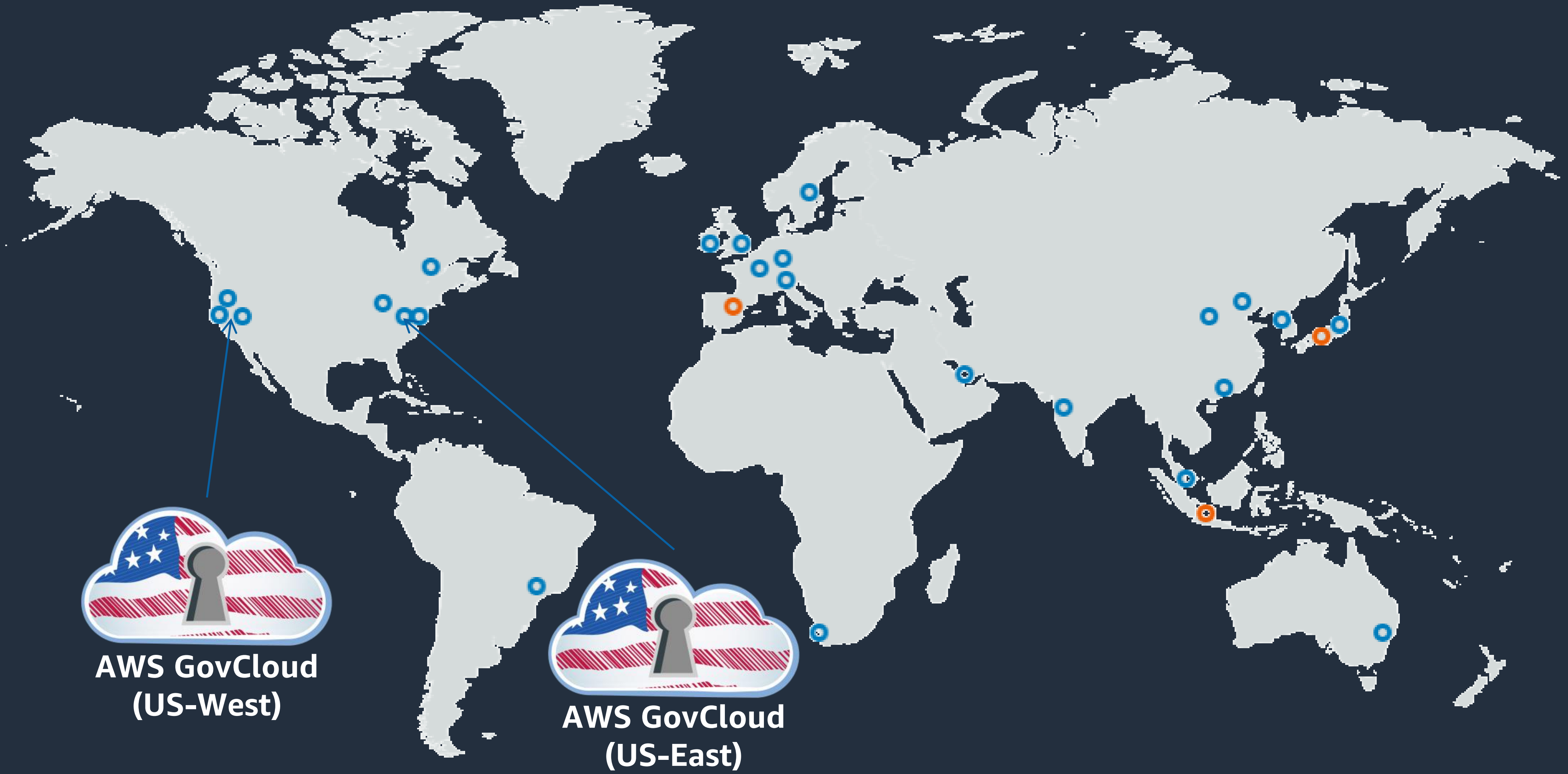
Security IN the Cloud

Customer responsibility is determined by the AWS Cloud services a customer selects.

Security OF the Cloud

AWS is responsible for protecting the infrastructure that runs all the services offered in the AWS Cloud.

Global Infrastructure – Reliability & Resilience



Cloud Resilience

Fully isolated infrastructure with one or more datacenters

Meaningful distance of separation

Unique power infrastructure

Datacenters connected via fully redundant and isolated metro fiber

Cyber ecosystem partnerships

Network and infrastructure security

- ALERT LOGIC Security. Compliance. Cloud.
- APPGATE
- ARMOR
- Barracuda
- Check Point SOFTWARE TECHNOLOGIES LTD.
- CISCO
- ExtraHop
- FORTINET
- Guardicore
- paloalto NETWORKS
- PROTECTWISE
- SKinfosec co.,ltd.
- SOPHOS
- zscaler

Host and endpoint security

- CROWDSTRIKE
- Symantec
- TREND MICRO
- SentinelOne

Identity and access control

- okta
- onelogin
- Ping Identity
- SAVIYNT

Application security

- Barracuda
- Checkmarx
- f5

Vulnerability and configuration analysis

- bridgecrew
- ExtraHop
- Qualys.
- RAPID7
- tenable
- threat stack

Data protection and encryption

- CYBERARK
- DataSunrise Data & Database Security
- gemalto security to be free
- HashiCorp
- PRIVITAR
- THALES

Logging, monitoring, SIEM, threat detection, and analytics

- ALIEN VAULT
- LACEWORK
- McAfee Together is power.
- SECURONIX Security Analytics. Delivered.
- splunk>
- sumo logic

Thank you!

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