Fortanix®

Security, *wherever* your data is...

Inc. 5000 — AMERICA'S FASTEST-GROWING PRIVATE COMPANIES

GLOBAL INFOSEC AWARDS WINNER — CYBER DEFENSE MAGAZINE — 2022

BIG INNOVATION 2022

CYBER SECURITY EXCELLENCE AWARDS — WINNER — 2022

TMCnet.com — Cybersecurity Excellence — 2021

Gartner Cool Vendor 2018

30 — Great Places to Work — CIO Bulletin 2019

25+ patents

Fortanix®

Fortanix is the data-first multicloud security company that decouples security from infrastructure. Its pioneering technology, Confidential Computing, enables data to remain secure and meet security compliance even when networks are breached or systems are compromised.

125+ CUSTOMERS

PayPal · leidos · DEPARTMENT OF JUSTICE

UCSF · Google · tgen

CISCO · university of groningen · CDC

Ambuj Kumar
CEO and Co-founder
50+ patents

Anand Kashyap
CTO and Co-founder
20+ research papers

225+ EMPLOYEES

NVIDIA · Symantec · CISCO · Square · netskope · PagerDuty · COHESITY

INVESTORS

intel capital · Foundation CAPITAL · IQT IN·Q·TEL · NEOTRIBE

25+ PATENTS

Granted US patents: 10,911,538, 10,872,175, 10,810,136, 10,686,769, 10,609,006

AWARDS:

CYBER SECURITY EXCELLENCE AWARDS · GLOBAL INFOSEC AWARDS WINNER CYBER DEFENSE MAGAZINE 2022 · TMCnet · BIG INNOVATION 2022 · Inc. 5000

The Challenges of Cloud-Scale Data Security

Data Growth

Global Zettabytes of data

200 — 100 — 0

2020 2021 2022 2023 2024 2025
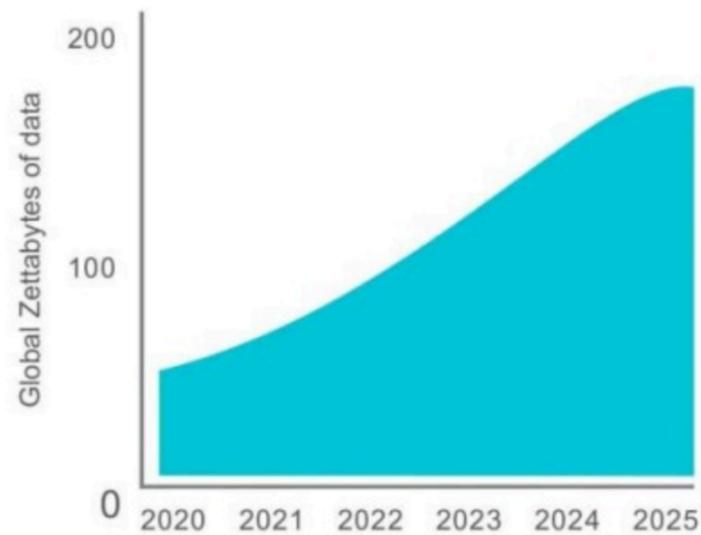
5x

increase in **data volume**
from 2020 to 2025

Cloud Data Migration

1 0 1 0
1 0 1

50+%

of **enterprise data**
in public cloud by 2022

Privacy Regulations

71%

of **Cloud Data**
is sensitive

Risk Landscape: Data Privacy Regulations

GDPR
2-4% of Annual Revenue

CCPA
Up to $750 Per Record

REGULATION & ENFORCEMENT

HEAVY
ROBUST
MODERATE
LIMITED

Source: DLA Piper Data Protection Laws of the World
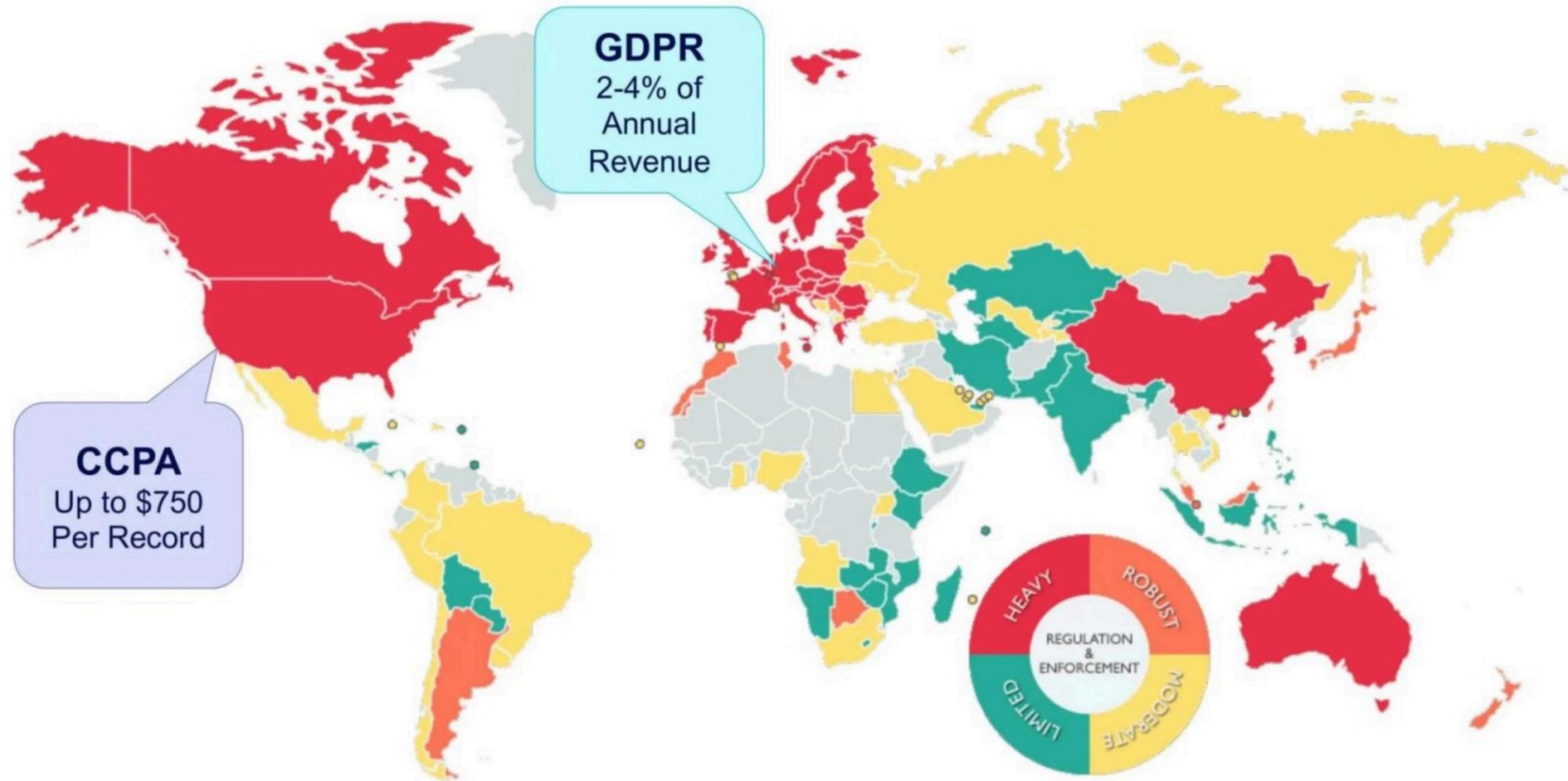
Data-first Security

First-generation security

Focus of most of the security vendors

Fortanix®

SECURING **ON-PREMISES** INFRASTRUCTURE

SECURING **CLOUD** INFRASTRUCTURE

SECURING **DATA**

Decouple security from infrastructure

Data-First Multicloud Security
Secure data, wherever it is.

Even when
- Network is breached
- CSP is served govt papers
- Root users are compromised
- Sharing most sensitive data
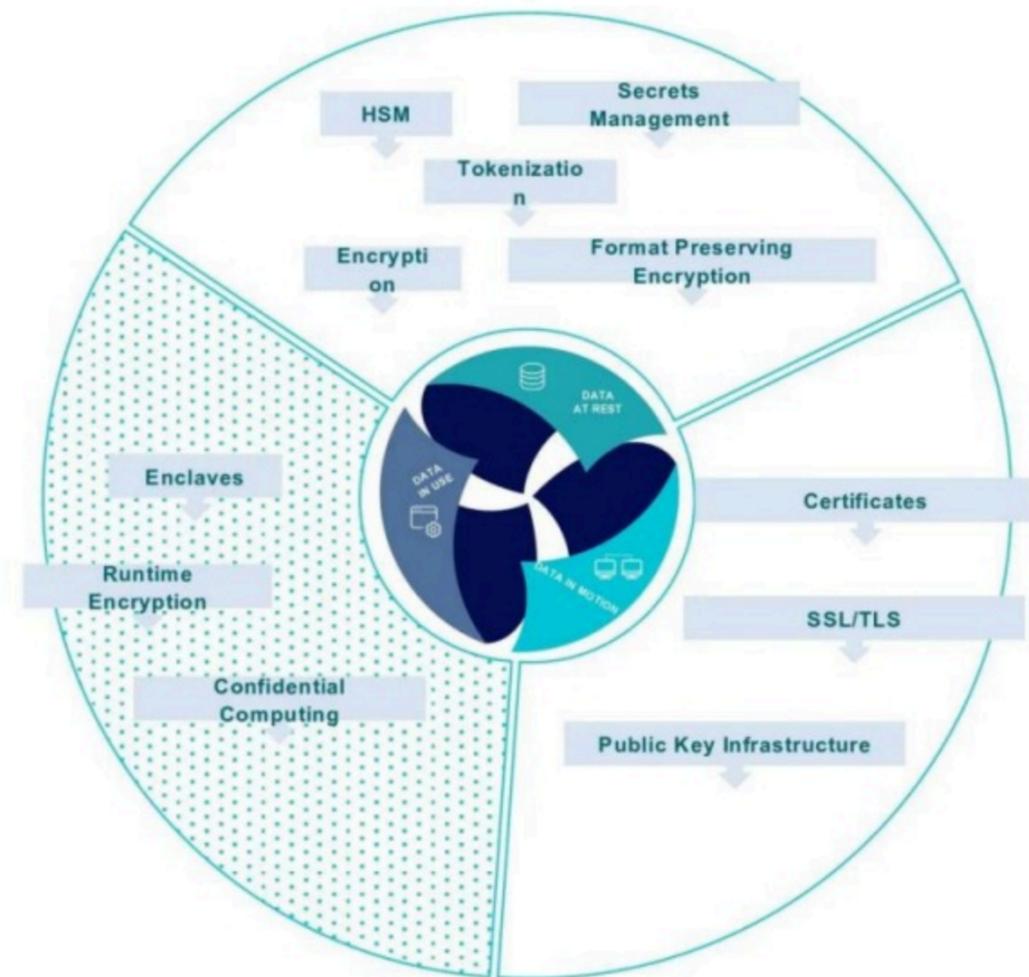
Confidential Computing

Fortanix®

Fortanix is the pioneer and leading vendor of Confidential Computing. All major cloud providers and enterprise SaaS companies are Fortanix's partners in quest to solve cloud data security and privacy.

5 Granted Patents
- 10,911,538
- 10,872,175
- 10,810,136
- 10,686,769
- 10,609,006

+ 20 pending

HSM · Secrets Management · Tokenization · Encryption · Format Preserving Encryption · Enclaves · Runtime Encryption · Confidential Computing · Certificates · SSL/TLS · Public Key Infrastructure

DATA AT REST · DATA IN USE · DATA IN MOTION

SELECTED PARTNERS

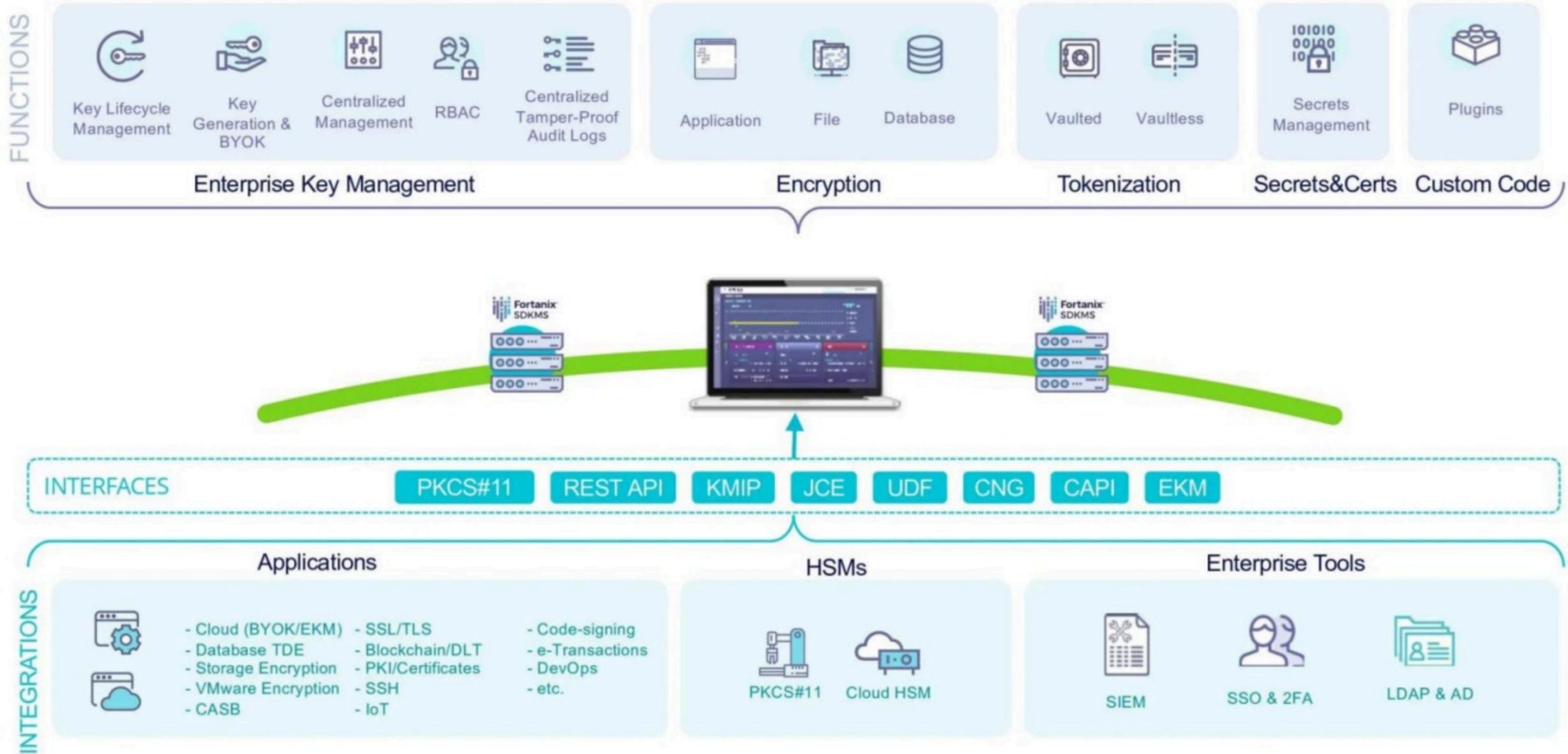intel · Microsoft · Google · vmware · aws · Red Hat

Proprietary API
Confidential Computing API
Encryption / Tokenization

Centralized control for all your data across cloud, SaaS, databases, and more

Fortanix Data Security Manager™

FUNCTIONS

Enterprise Key Management					Encryption			Tokenization		Secrets&Certs	Custom Code
Key Lifecycle Management	Key Generation & BYOK	Centralized Management	RBAC	Centralized Tamper-Proof Audit Logs	Application	File	Database	Vaulted	Vaultless	Secrets Management	Plugins

Fortanix SDKMS

INTERFACES

PKCS#11 · REST API · KMIP · JCE · UDF · CNG · CAPI · EKM

INTEGRATIONS

Applications
- Cloud (BYOK/EKM)
- Database TDE
- Storage Encryption
- VMware Encryption
- CASB
- SSL/TLS
- Blockchain/DLT
- PKI/Certificates
- SSH
- IoT
- Code-signing
- e-Transactions
- DevOps
- etc.

HSMs
- PKCS#11
- Cloud HSM

Enterprise Tools
- SIEM
- SSO & 2FA
- LDAP & AD

Global Service – Multiple Regions

AMERICAS

EMEA

ASIA-PACIFIC

- Equinix Location
- ECX Fabric Location
- ☆ Partner Data Center

Actual paths subject to change

AMER	United Kingdom	EU	APAC	Australia
• Chicago	• London 1	• Amsterdam	• Hong Kong	• Sydney
• Silicon Valley	• London 2	• Frankfurt	• Singapore	• Melbourne
• Washington DC	• Slough	• Paris	• Tokyo	• Perth

Fortanix® Confidential AI ™
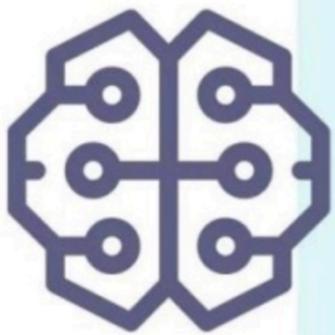
SaaS platform to allow customers to perform AI with sensitive data

Confidential AI™ box contains:
- SSO/Identity
- Geo Controls
- Enclaved Apps
- Reporting
- Billing & Metering

AI with sensitive data

Tabular data: Gradient Boost, Random Forest
Images: PyTorch

Data Provenance

Control and track who/what accessed data when and where

Secure Data Sharing

Train your AI with some else's sensitive/proprietary data

Compliance

Meet data sovereignty and compliance (HIPAA, PCI) requirements while processing sensitive data

Key Strategic Partners

Intel
- Strategic investor
- The launch partner of Intel SGX, Ice Lake

Azure
- Microsoft Startups Program
- Co-sale ready, marketplace availability
- Both commercial and government cloud

AWS
- Marketplace availability; ISV accelerate
- The lead partner on AWS Nitro

Bringing You More Control: New Services for Data Security and Transparency

GCP
- The Lead partner for GCP EKMS service
- Google workspace encryption partner
- Marketplace availability