

A Game-Changer in the World of Privacy & Security

Dr Richard Searle
Vice President of Confidential Computing















Founded in 2016

Ambuj Kumar, CEO & Co-founder Anand Kashyap, CTO & Co-founder

MORE THAN 20 INDUSTRY AWARDS

RSA Innovation Sandbox Finalist
Gartner Cool Vendor















Fortanix® is the data-first security company and pioneer of Confidential Computing



Recently ranked as one of America's fastest growing companies

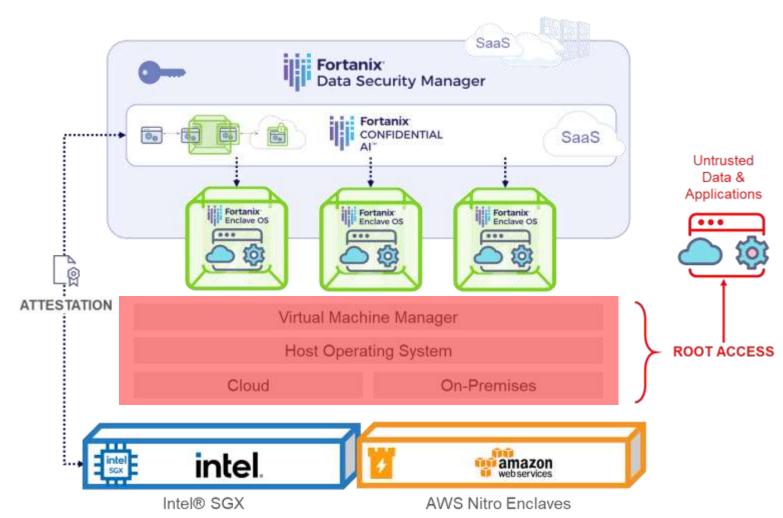




What is Confidential Computing? Fortanix confidential. All rights reserved.

Protecting Data In Use





"Confidential Computing is the protection of data in use by performing computation in a hardware-based attested Trusted Execution Environment."

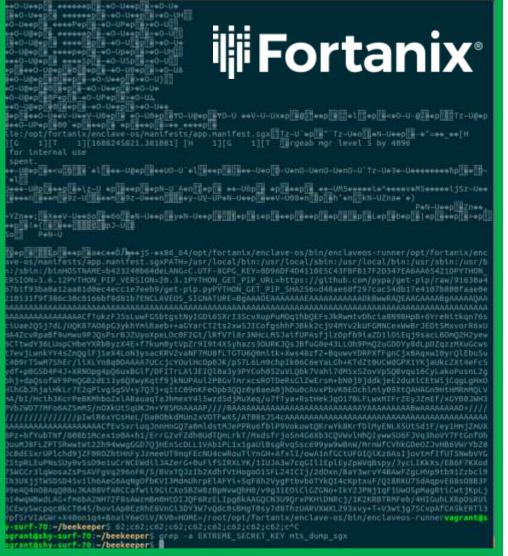
- Confidential Computing Consortium



https://confidentialcomputing.io/white-papers/

Confidential Computing in Action

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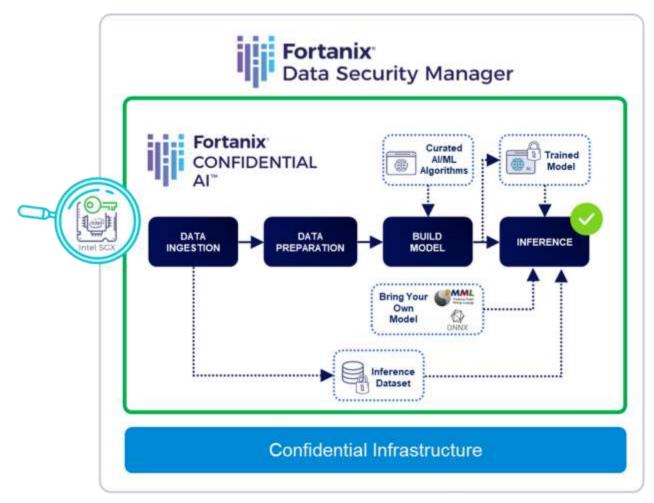




How is Confidential Computing Transforming Privacy and Security for Data and Applications?

- Confidential Computing closes the loop by protecting data in use
 - full-lifecycle data security
- Confidential Computing supports deployment flexibility and workload explainability
- Compatible infrastructure is now available from all major cloud service providers
- Attestation supports zero-trust application authentication and integrity verification
- Confidential Computing proving a disruptive source of business innovation

Confidential Computing Made Simple with Fortanix













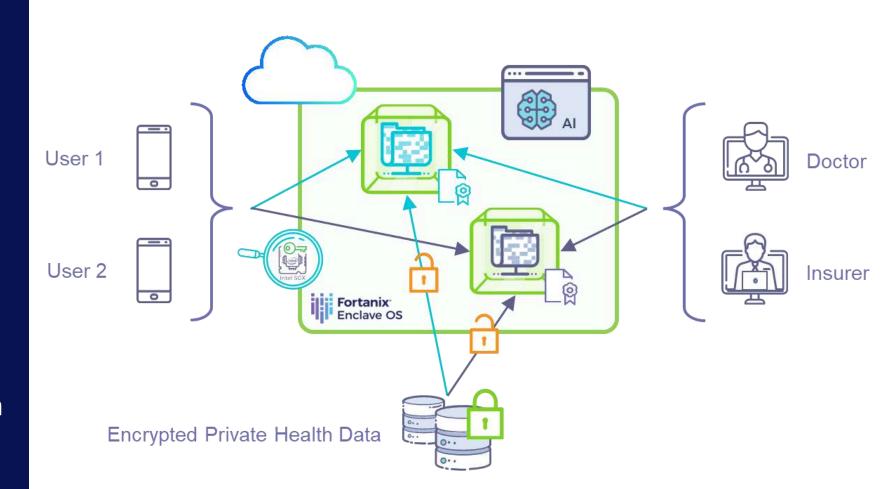
Examples of Confidential Computing Today

Enabling User Control of PHI

- Protecting electronic health records (eHR) for up to 75M German citizens
- Enabling patient control over protected healthcare information (PHI) under EU GDPR
- Scalable from the initial production service launch on 1 January 2021







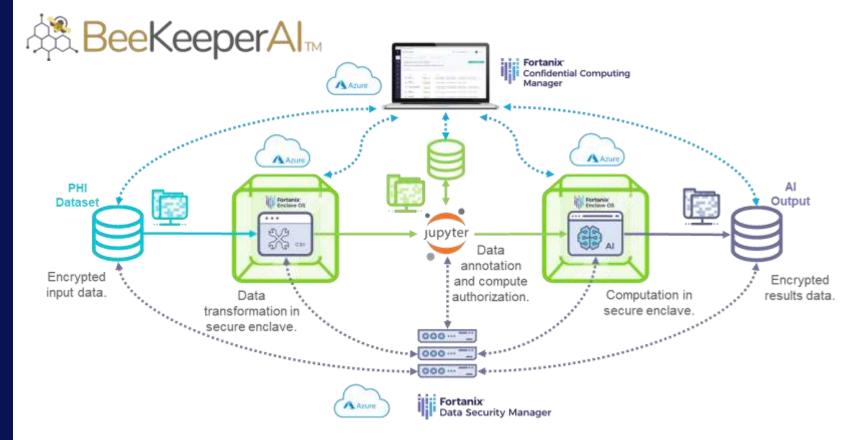
Accelerating Healthcare AL

BeeKeeperAl is a pioneer in combining zero trust, confidential computing, and privacy preserving analytics for the training, validation, and deployment of artificial intelligence.



"As the former Chair of the IT Security committee at UCSF, I developed a deep appreciation for the need to secure our data while making it available to advance the mission of the organization."

Michael Blum, MD Co-founder & CEO of BeeKeeperAl



Today

- 16-30 months an \$1.5-\$2M to validate an algorithm
- Secure compute on protected data – unable to leverage cloud
- Protracted contractual negotiations to ensure privacy

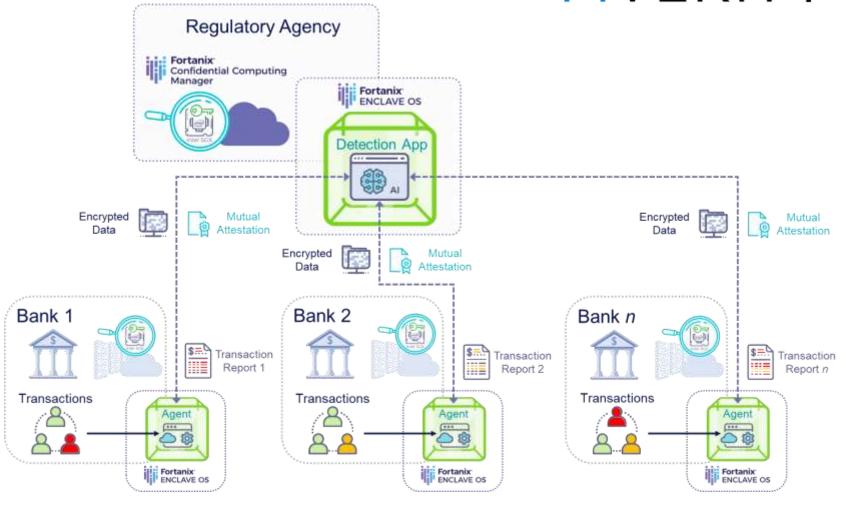
With Confidential Computing

- 1000x acceleration in time to market
- End-to-end encryption of all private data with zero trust
- Streamlined workflow for regulatory approval of healthcare AI systems

Preventing Financial Crime

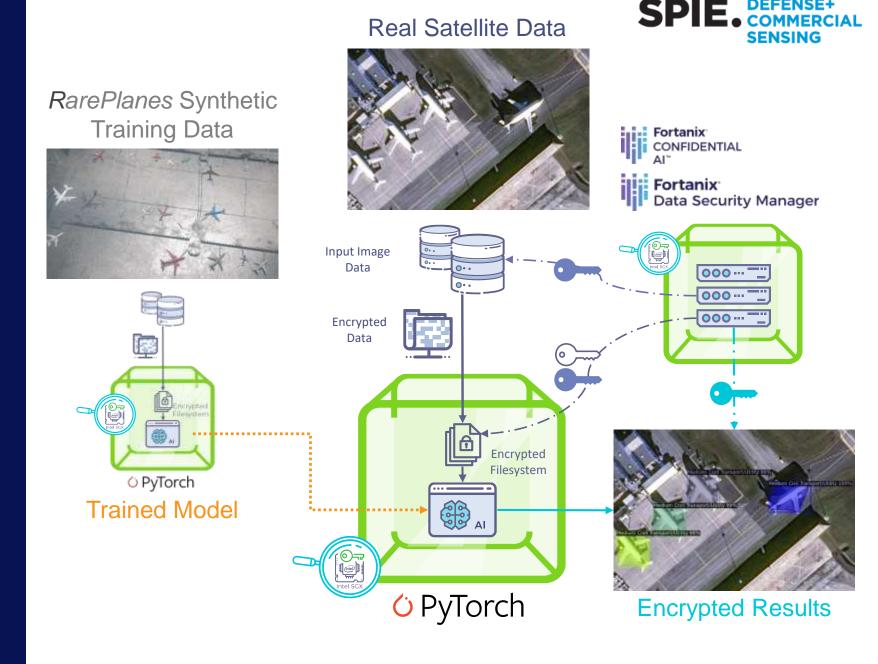
- Sythentic-identity fraud detection with FiVerity
- Banks are able to share encrypted account data and network telemetry for aggregated data analysis
- Banks can demonstrate
 PII data compliance
 using attestation logs
- Multi-jurisdiction support

FIVERITY



Securing Sensitive Data

- Object detection and classification
- Protecting sensitive information and confidential algorithms
- Deployable with all major Al/ML frameworks
- Protects against adversarial machine learning attacks



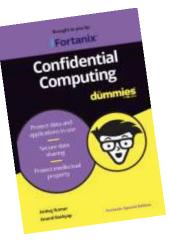








(in) Fortanix



https://resources.fortanix.com/ confidential-computing-fordummies-fortanix-specialedition

