Research - Privacy Preserving Analytics

Customer Case Study

„The customer was able to increase research performance by 40% and run calculations 2.3 times faster.“

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Customer Case Study

Research - Privacy Preserving Analytics

- GDPR-compliant analytics for transactional data
- Enabler for analytics in the cloud

- 50% IT maintenance cost reduction
- 40% research performance increase
- Calculations run 2.3x faster

> While moving into the cloud and protecting data with eperi, we could save tremendous IT costs for 500 on-prem servers and were able to have in-time analytics performance.

Customer

International Cancer Research Institute

Project

Encryption of PII & PHI Data

Problem

An international cancer research institute with 2,800 employees in 78 nations needed to **analyze complex DNA calculations** on a bi-weekly basis. This required a **capacity of 500 servers** for ten hours per operation. The organization wanted to move **into the cloud** to reduce IT and resource costs for high-performance business intelligence. As a result, it needed to **encrypt personal research data**, especially human genomes.

Solution

The eperi Cloud Data Protection solution has been installed on-premise at the customer site. **Personal research data** incl. human genomes is **encrypted and tokenized before moving into the cloud**.

All other business relevant analytics operations can be executed **without performance latency or functional constraints**.