

Healthcare technology provider reimagines multiparty cross-cloud data sharing

Industry

Healthcare technology

Location

Worldwide

Solution

Intertrust Platform™

Customer profile

This international healthcare technology provider is in the process of evolving from a pure CT/MRI hardware and medical devices company to an integrated healthcare solutions company. Its flagship product is a Medical Data Warehouse solution which will provide a collaborative governed data sharing framework for hospitals, medical researchers, and government agencies.

The challenge

Data collaboration in the medical field is key to innovation and improved patient care. However, medical and research facilities typically have multiple data collection and analysis workstreams. Multiparty databases for research or clinical data management typically contain data in different formats

Managing this data effectively can be a cumbersome, time-consuming task. Data analysis through third-party analytics firms or collaborators can also increase the risk of data breaches.

Additionally, there are numerous regulations designed to protect sensitive personal information contained within healthcare data. This includes very strict protocols that determine how personal data can be used to collaborate with third parties. As a result, healthcare organizations need to demonstrate the highest standards of regulatory compliance.

Challenge highlights:

- Data exists in different formats in multiparty databases
- Data needs to be securely governed for trusted data collaboration, especially for use in third-party analytics
- Healthcare organizations must maintain strict regulatory compliance

In order to overcome these challenges, the healthcare technology provider needed a way to standardize and secure access to the disparate medical databases involved in the Medical Data Warehouse. It needed a uniform governance solution to govern the workflows and data assets inside its diverse ecosystem.



The solution

The customer chose the Intertrust Platform™ to connect to the multiple medical databases across AliCloud, AWS, and other cloud service providers. The Intertrust Platform is a trusted data exchange ecosystem that acts as a secure data virtualization, data aggregation, and data collaboration layer for many different data sources and formats, regardless of location.

The Intertrust Platform enables the following for the Medical Data Warehouse:

- A secure environment to enable data access between multiple stakeholders
- Permission control / policy control (IAM) on database access from both internal and external users and third-party applications
- Complete data governance and full compliance with protections and regulations
- An immutable audit record for Intertrust Platform transactions, account creations, data queries, and workloads

The results

Via its agile, flexible data management and data governance solution, Intertrust Platform enables the healthcare technology provider to ensure the quality and security of sensitive healthcare data. Thanks to the Platform's trusted execution environment, the customer can securely share data with researchers, medical professionals, and government agencies.

The customer is also able to:

- Demonstrate the ability for a developer to create new analytical models using data shared by hospitals
- Enable analytics developers to easily share their model with doctors and other medical staff
- Enable doctors to discover available analytical models, run analytical models against patient data, and easily connect third-party visualization tools
- Demonstrate necessary compliance measures to the IT department, auditors, and other regulatory entities

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the connected world.

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