satori

Innovaccer Case Study

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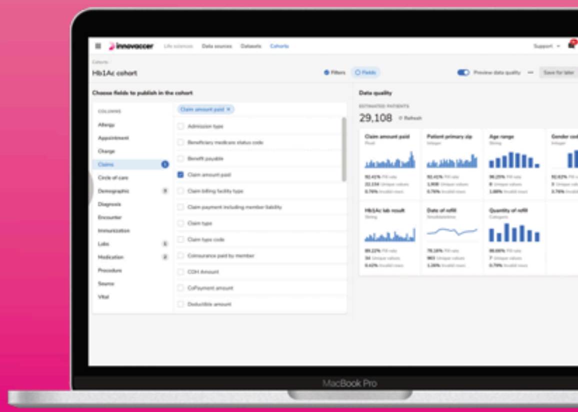
Innovaccer secures sensitive protected health information (PHI), while powering hyper-growth

Protecting sensitive data in Amazon Redshift, Snowflake, Azure SQL and Postgres in AWS and Azure Cloud



Company Background

Innovaccer Inc., the Health Cloud company, is dedicated to accelerating innovation in healthcare. The Innovaccer® Health Cloud unifies patient data across systems and care settings and empowers healthcare organizations to develop scalable, modern applications that improve clinical, financial, and operational outcomes.

Innovaccer's solutions have been deployed across more than 1,600 care settings in the U.S., enabling more than 96,000 providers to transform care delivery and work collaboratively with payers and life sciences companies. Innovaccer has helped its customers unify health records for more than 39 million people and generated over $1B in cumulative cost savings. Innovaccer is the #1 rated Data and Analytics Platform by KLAS, and the #1 rated population health technology platform by Black Book.

Size:
1000 - 5000 employees

Location:
San Francisco, California

Industry:
Healthcare Technology

Business Requirements

Innovaccer's health cloud integrates dispersed clinical and payer data from multiple practices, hospitals, and systems. Advanced data analytics delivers insights with population stratification displayed through customizable dashboards. Customers such as Banner Health, Adventists Health and Children's Health Alliance now have a unified view of patient data across e-Health record systems.

Innovaccer's innovative healthcare approach relies on its analysts' ability to work quickly with sensitive, protected health information (PHI) while ensuring access is monitored and controlled. Given the large variety of data technologies, cloud providers, and use cases, the application of security policies to protect PHI data has to be done without compromising business growth or innovation.

Innovaccer's product engineering and information security leadership realized that they needed a data security platform that could connect multiple data platforms containing patient data, identify and tag sensitive data, and obfuscate the relevant fields based on the user's access privileges.

Securing Sensitive Data at Innovaccer with Satori

Engineers, analysts and data scientists query Amazon Redshift, Snowflake, Azure SQL and PostgreSQL through Satori via multiple BI and other tools including Microsoft Power BI, DBeaver, Snowflake UI, Python and DataGrip.

Satori gets the user context from Innovaccer's identity and Access Management (IAM) platform and then applies access policies and sends the queries to the data stores.

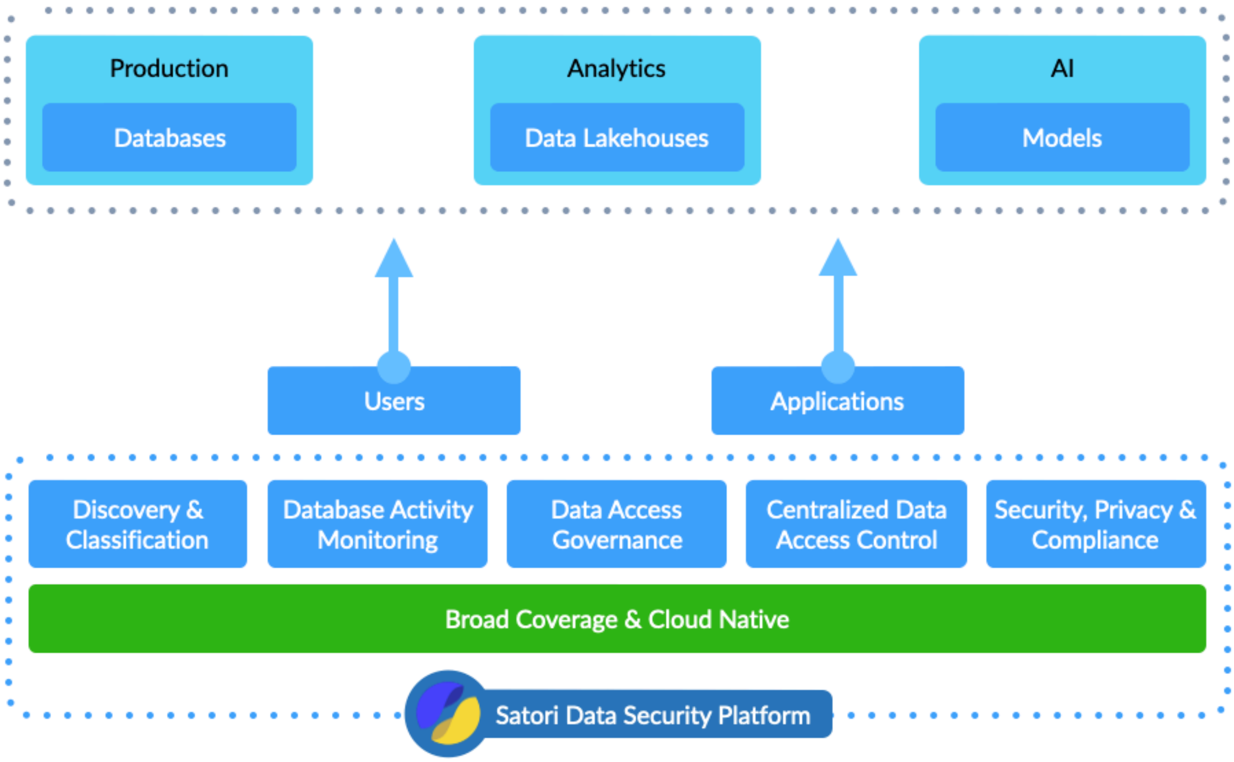
Satori inspects and classifies the data and applies security policies such as data masking to PII and PHI data and row-level security to ensure users only get access to the data they need.

Data privacy, security, and compliance teams monitor access to sensitive PII and PHI data with out-of-box reports

Satori Data Security Platform

The Satori Data Security Platform provided Innovaccer with enhanced security, seamless compliance, and frictionless data access management.

Satori Capabilities Leveraged by Innovaccer
Broad coverage of data stores such as Snowflake, Amazon Redshift, PostgreSQL, MongoDB and OpenSearch.
Data classification, dynamic masking and row-level security for PHI and PII data
Pre-built comprehensive audit trail and reporting for privacy, security, and compliance
No changes to the schema or configuration of the data stores
Non-intrusive deployment allows end-users to continue working with their preferred BI solution or client tools without additional training or changes to queries.



Main Features
Data Discovery & Classification Continuously discover and classify data with high accuracy
Database Activity Monitoring (DAM) Real-time, agentless and zero-impact monitoring for cloud and on-prem data stores.
Data Access Governance Track who has access to what data and how to reduce over privileged access.
Centralized Data Access Control Manage permissions, enforce access policies and implement just-in-time access workflows.
Security, Privacy & Compliance Enforce security and privacy policies to maintain compliance with real-time controls and auditing.
Broad Coverage & Cloud Native Satori supports databases, data lakes, data warehouses and AI models across multi-cloud and on-prem environments.

The Bottom Line

Innovaccer deployed Satori as its data security platform solution in just 90 days across several data store technologies, such as Amazon Redshift, Snowflake, Azure SQL, PostgreSQL, MongoDB and OpenSearch. Satori delivered secure access to sensitive data in over 500 data stores across in a multi-cloud, multi-region environment with over 10 Data Access Controllers (DACs), supporting hundreds of users and millions of queries per month.

Satori integrates with the identity and access management platform to retrieve users' roles and attributes. The pre-defined roles and attributes determine whether or not to grant the user access to data and the applicable security policies.

Satori's data security platform delivers the following business functionality for Innovaccer:

1. Data discovery and classification - Satori identifies PII and PHI data in real-time, and ensures Innovaccer has a continuously updated data inventory.
2. Database activity monitoring - Satori ensures that all access to data in Innovaccer's environment is audited and accounted for.
3. Meeting security and privacy requirements - Satori enforces dynamic data masking and row-level security to protect sensitive data.

The privacy, security, and compliance teams utilize pre-built reports to monitor access to sensitive data and meet contractual and compliance requirements.

"Satori's service is a real game changer, providing both control and visibility over data compliance and security issues across multiple data stores. We were able to deploy Satori quickly because it does not require making any changes in existing data flows".

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