

CASE STUDY

Shareable Ink Gains a Competitive Edge with Pentaho Big Data

Leading Healthcare Cloud Computing Provider Incorporates Pentaho Business Analytics to Operationalize Data from Paper-based Documents

About

Shareable Ink was founded in 2009 to help healthcare organizations of all sizes transition to electronic health records without disruption to workflow or burdensome IT projects. Its enterprise cloud-based platform incorporates natural input tools, including iPads and “digital pen and paper” technology. The resulting structured and clinically-encoded output populates the EHR with discrete data, as if typed in directly. Built-in analytics give hospitals and practices insight into their operations – from a clinical, quality and efficiency standpoint – all previously inaccessible from traditional paper records.

Challenges

SUBHEAD 1

Shareable Ink was founded in 2009 to help healthcare organizations of all sizes transition to electronic health records without disruption to workflow or burdensome IT projects. Its enterprise cloud-based platform incorporates natural input tools, including iPads and “digital pen and paper” technology.

Subhead 2

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ShareableInk®
IMMEDIATE. ACTIONABLE. EFFORTLESS.

QUICK FACTS

- › Industry: Healthcare
- › Headquarters: Nashville, Tennessee
- › Website: shareableink.com
- › Products/Services: Pentaho Business Analytics, Pentaho Data Integration, OEM Partnership

Subhead 3

- › With their domain expertise in healthcare, Shareable Ink wanted to spend time creating a platform that was distinctly valuable to their audience and not spend time building an in-house core analytics functionality that was already on the market.
- › The IT workload to prep and publish Excel reports for end users (Shareable Ink’s customers) was too time consuming, resulting in IT not being able to keep up with the demand.

Pentaho's ability to expose analysis to end users directly stood up against other BI vendors.

– GERRY ANDRADY
Vice President, Product Management, Shareable Ink

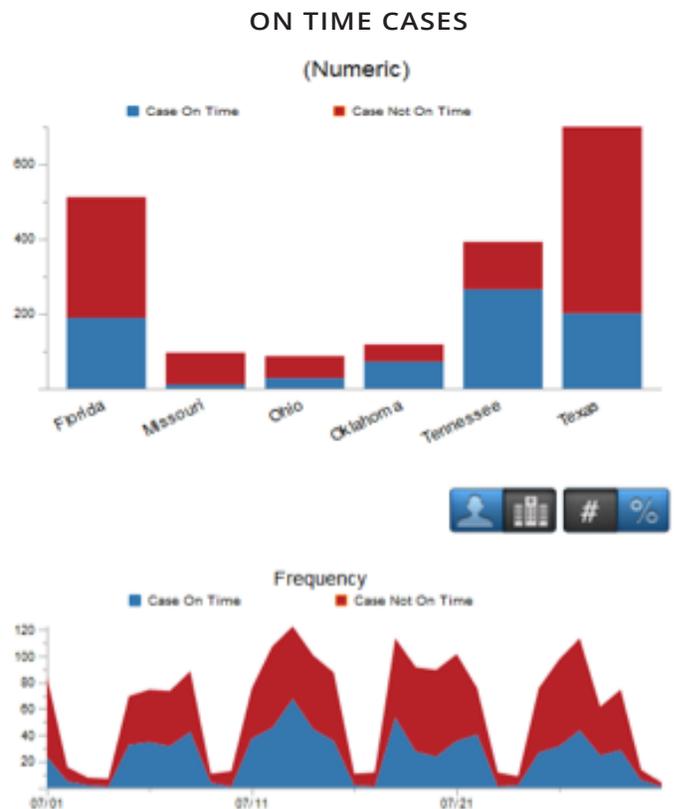
Solutions

- › Pentaho OEM partnership that provides full business analytics and data integration platform that is easy to incorporate big and diverse data, including embeddable, cloud-ready analytics and a platform that is easy to use and fast to implement.
- › Pentaho Data Integration to extract, integrate and analyze data from multiple databases. Standard ETL processes are written to structure the data, make any needed calculations, etc.
- › Pentaho Business Analytics is then used in conjunction with CDF to build the reports and dashboards from the data warehouse.
- › Using Pentaho Business Analytics, specifically RO-LAP, in order to provide near-time access to data for ad hoc analysis.
- › Technical Notes: –
 - Hardware platform – VMWare ESXi 4.1 (on Dell hardware)
 - Operating system – Ubuntu Linux
 - Database – SQL Server, MySQL, CouchDB
 - Application server – Java and Ruby infrastructure

Results

A small team was allocated to the initial proof-of-concept. Initial reports were available after two months with integration between all data sources.

- › A cloud-based big data analytics platform with a high degree of scalability – Shareable Ink's cloud-based big data analytics platform made it possible
- › Operationalize big data – Instead of customizing data management and analytics for every different hospital or healthcare organization, Shareable Ink



Screenshot of Shareable Ink Analytics use of Pentaho Business Analytics. Shareable Ink Analytics aggregates data from paper forms at the group or health system level and allows for drill-down to the provider and case level.

to provision analytics on unstructured data sets to a wide set of end customers. Using Pentaho Business Analytics, Shareable Ink developed a solution to store, analyze and disseminate data with a high degree of variability.

- › Operationalize big data – Instead of customizing data management and analytics for every different hospital or healthcare organization, Shareable Ink

lowers its IT infrastructure costs by sharing the analytics and reporting platform for all its end customers – regardless of the type, shape, and format of data they use.

- › First to market – Although healthcare electronic medical records have risen in the last decade, some of the data still has not been captured digitally - ever. Using Pentaho, Shareable Ink has provided reporting and analytics on certain data that has not been digitized before.
- › Additional source of revenue – Pentaho enabled Shareable Ink to create an additional product module that will provide more detailed reports out of the box to its customers resulting in additional revenue.
- › More effective use of budget – Using Pentaho’s ready-made core reporting technologies has allowed Shareable Ink to redirect its R&D budget toward other projects that are distinctly valuable to its service.

Summary

Shareable Ink was founded in 2009 to help healthcare organizations of all sizes transition to electronic health records without disruption to workflow or burdensome IT projects. Its enterprise cloud-based platform incorporates natural input tools, including iPads and “digital pen and paper” technology. The resulting structured and clinically-encoded output populates the EHR with discrete data, as if typed in directly. Built-in analytics give hospitals and practices insight into their operations – from a clinical, quality and efficiency standpoint – all previously inaccessible from traditional paper records.

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