

Data-driven Healthcare Capture. Organize. Analyze

DIGITAL REVOLUTION

Digitization of clinical services, diagnostic services, claims processing, operations, clinical research and remote patient monitoring has led to availability of massive amounts of rich healthcare data. This data when put to use has the potential to improve patient outcomes, unlock productivity bottlenecks and radically improve accessibility and quality of healthcare. With the opportunities come along challenges pertaining to Cost, Cash Management, Compliance as well as Client and Patient Care. Healthcare organizations (Providers, Payers, Pharmaceutical companies and Medical device manufacturers) across the spectrum need to be well equipped to seize the opportunity presented by data while effectively addressing the challenges.

NEED FOR A MODERN DATA ARCHITECTURE

Healthcare data is growing at a rapid pace and comes in a wide variety of formats including database records, medical images, multiple file formats, IoT, machine streams and logs. Extracting the knowledge from the mounds of healthcare data is a sure shot way to leapfrog into the next era of healthcare delivery. However, the traditional data and processing architectures are not equipped to handle the volume, variety, velocity and the demands of real-time data driven analytic needs of today's healthcare organizations.

The Solix Common Data Platform (CDP) running over Hadoop addresses all of the challenges. It moves each data object to the most efficient storage tier, increasing performance while saving money on infrastructure. It is certified for Cloudera, Hortonworks and MapR Hadoop distributions and is available both on premise and as-a-service on the Amazon Web Services and Microsoft Azure clouds.

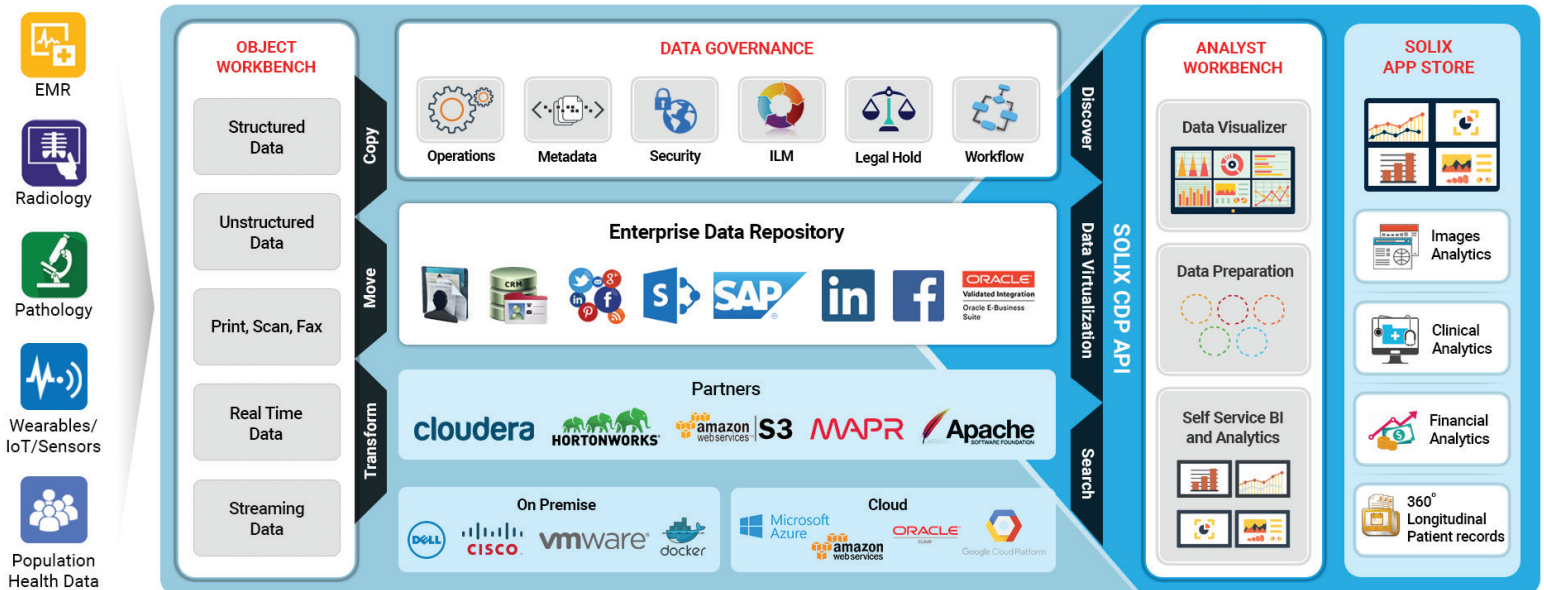
HIGHLIGHTS

- Build an enterprise wide common data platform to store large volumes of healthcare data (EMR, ERP, files, diagnostic images, IoT streams, logs and more)
- Leverage Hadoop & S3 object stores to capture and process massive volumes of growing healthcare data on low cost and highly scalable infrastructure
- Explore and visualize petabytes of healthcare data in real-time to improve patient experience and outcomes, claims processing, medical research and daily operations
- Retire/Archive applications to decrease costs, improve performance and to comply with regulations pertaining to data retention
- Adhere to all major compliance requirements including but not limited to HIPAA & HL7 through Role Based Access Control
- Access a wide variety of pre-built analytic apps via Solix App Store (clinical, operational, financial and revenue cycle)
- Deploy On Premise, Cloud or in a Hybrid environment

It can combine multiple physical databases in separate locations, including public cloud, into a single logical data lake. The Solix Object Workbench contains APIs to connect it to the data sources and to all the pieces of the Big Data stack, creating a plug-and-play solution. Solix continually updates the API library to accommodate new technologies as they appear, future-proofing your stack. Solix CDP preserves metadata as it is imperative for supporting analysis and for the high security and access control.

- Healthcare providers need to manage infrastructure costs, while improving cash flow, meeting compliance requirements and expectations of patient quality of care.
- Healthcare payers need to address claims while continuing cost of care and ensuring protection from incidents of fraud.
- Pharmaceutical companies have to keep up with drug discovery processes while maintaining costs and FDA compliance.
- Medical equipment manufacturers are under increasing pressure to achieve operational efficiency.

The Solix CDP delivers a substantial value to the enterprises by assisting in managing the cost and cash flow, achieving compliance and improving patient outcomes. Access to both archived and active data in the unified Data Lake allows enterprises to achieve data-driven insights through next generation analytics and cognitive machine learning.



ABOUT SOLIX TECHNOLOGIES, INC.

Solix Technologies, Inc., is a leading big data application provider that empowers data-driven enterprises with optimized infrastructure, data security and advanced analytics by achieving Information Lifecycle Management (ILM) goals. Solix Big Data Suite offers an ILM framework for Enterprise Archiving and Enterprise Data Lake applications with Apache Hadoop as an enterprise data repository. The Solix Enterprise Data Management Suite (Solix EDMS) enables organizations to implement Database Archiving, Test Data Management (Data Subsetting), Data Masking and Application Retirement across all enterprise data. Solix Technologies, Inc. is headquartered in Santa Clara, California and operates worldwide through an established network of value added resellers (VARs) and systems integrators. To learn more, please visit <http://www.solix.com>