

EMR/PACS Capture. Organize. Analyze

DIGITAL HEALTHCARE STARTS WITH DATA

Early intervention based on a 360-degree view of the patient is vital for optimal outcomes. This requires speedy consolidation of all patient data from multiple sources in a single logical Hadoop data lake. Machine learning and cognitive analytics can then produce recommendations based on the latest medical research to help doctors provide the best treatment.

Metadata is imperative for supporting analysis and for the high security and access control. Audits depend on metadata records of who accessed specific information. Information Lifecycle Management (ILM) needs metadata showing how often each byte is accessed to archive inactive data to improve performance and save money.

Tremendous volumes of healthcare data is being collected, including medical images (PACS), IoT/sensor data from medical devices and wearables, genomic data, diagnostic lab results, claims and billing data. Healthcare data is both structured in standard formats, such as HL7, or unstructured, such as photos, images, dictations, social media tweets and posts. Healthcare providers and payers can ingest all this data into a single data lake and run analytics with the purpose of optimizing care of patient population, reducing the cost of care and reducing hospital readmissions.

Because moving large volumes of data is expensive, and time-consuming, the logical data lake must often accommodate data in different physical locations, on premise and in public cloud. This requires a hybrid cloud approach.

The Solix Common Data Platform running over Hadoop solves all of these problems. 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.

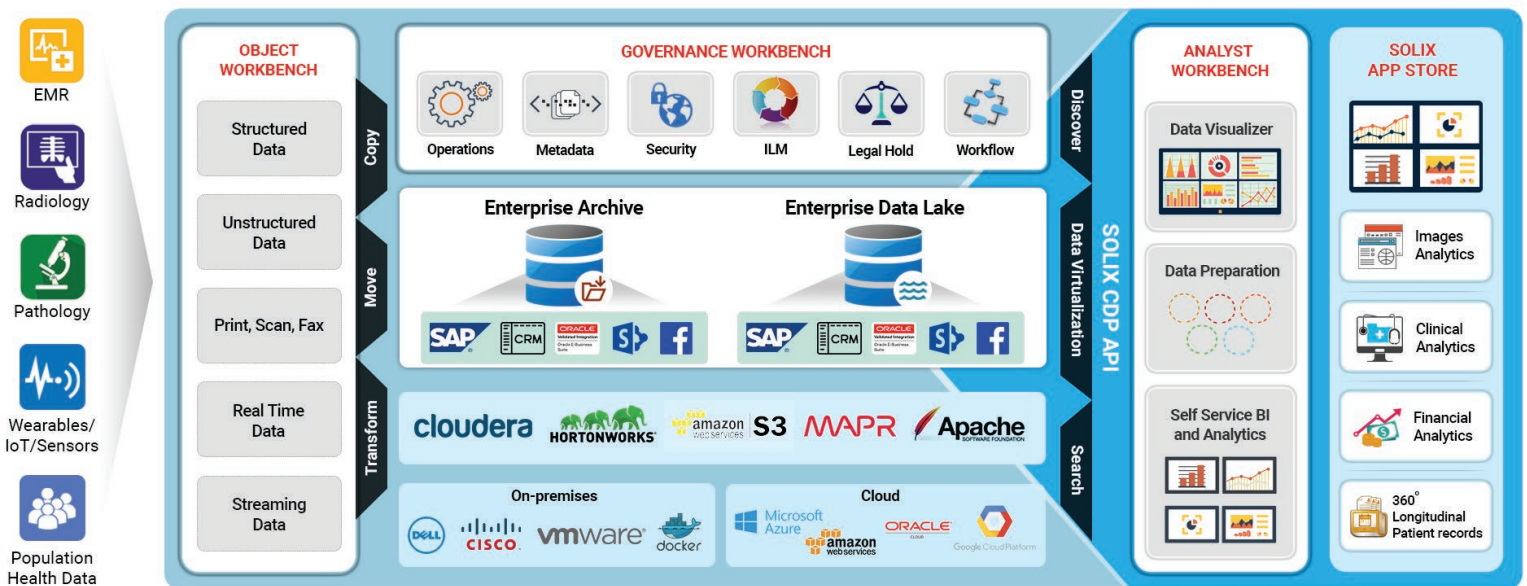
HIGHLIGHTS

- Vendor Neutral Architecture
- SaaS as well on premise licensing model
- Ingests structured, unstructured, imaging, IoT, log file and machine data
- Application independent clinical archives
- Built in EMPI creation and maintenance support
- Inexpensive storage of tremendous volume of growing healthcare data on low cost, bulk storage and massively scalable Hadoop infrastructure.
- Store healthcare data “as-is” in a unified and governed data lake to support advanced analytics, improving the clinical decision process, patient experience and quality
- Healthcare providers can apply governance rules and policies to keep patient health information (PHI) safe and secure through Role Based Access Control, ensuring the right data is available to the right person at the right time
- Access to Apps through Solix App store to support analytics (clinical, operational, financial and revenue cycle)

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. It supports full data management and uses the Hive and Spark query frameworks to support advanced cognitive and machine learning analytics.

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

SOLIX COMMON DATA PLATFORM - DATA-DRIVEN HEALTHCARE



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>