

CitiusTech: H-Scale on Azure

Healthcare Data Management on Microsoft Technologies



Healthcare Offerings on Azure

With massive volumes of data from EHRs, claims systems, devices, labs, pharmacies, consumer apps, etc. streaming in, healthcare organizations need data strategies that enable them to generate data insights and drive business performance. However, to make data actionable, organizations need a data interoperability solution that can integrate and curate data from a diverse set of healthcare applications, to establish an enterprise's data architecture.

H-Scale on Microsoft Azure: Overview

H-Scale on Azure is a modular, configurable and scalable data integration platform that helps healthcare organizations build confidence in their data and accelerate their data strategies. H-Scale meets key healthcare requirements including data acquisition, data processing, data governance, data security and advanced analytics. H-Scale is a one stop interoperability solution that is portable to any data platform including Hadoop, NoSQL, MPP, RDBMS. H-Scale's consistent solution strategy across on-premise as well as cloud deployments unifies data strategy across the enterprise.

H-Scale Key Benefits

Strategy Alignment

Healthcare data strategy based on componentized model which allows customers to drive their strategy according to business priorities

Speed of Business

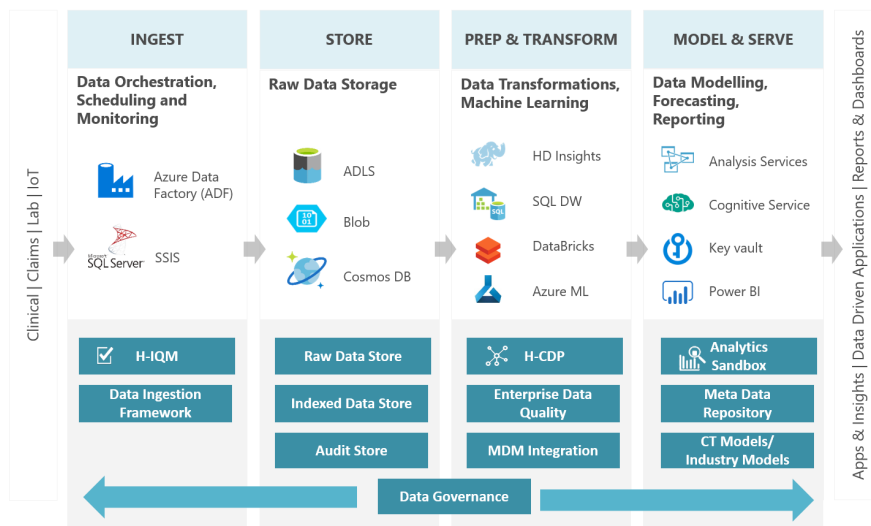
Scalable framework that can process and store the data at the speed of your business – bulk batch processing as well as real-time streaming

Reduced Cost of Ownership

Faster, scalable, fault-tolerant and inexpensive infrastructure as compared to traditional data warehouses

Compliance

Support for Protected Health Information, security requirements and secure authorization



H-Scale on Azure: Architecture & Key Modules

- **H-IQM (Interop & Quality Monitor):** An end-to-end solution for healthcare organizations to resolve data quality issues in their ecosystems while reducing time and effort in interface monitoring & customizations
- **H-CDP (Clinical Data Pipeline):** Accelerated clinical data ingestion and data processing solution that uses a reusable parser framework across a wide variety of formats, allowing organizations to integrate, consume and store data in standard formats
- **Analytics Sandbox:** Pre-configured zone with configurable analytics tools for BI / analytics and data science teams create use cases using real patient data.
- **Data Ingestion Framework:** Out of the box adapter to read data from RDMBS using SGOOP, providing seamless integration of data across the care continuum
- **Operation Data Store:** Stores standardized and processed data and provides entity wise structure, used as single source of truth by downstream applications