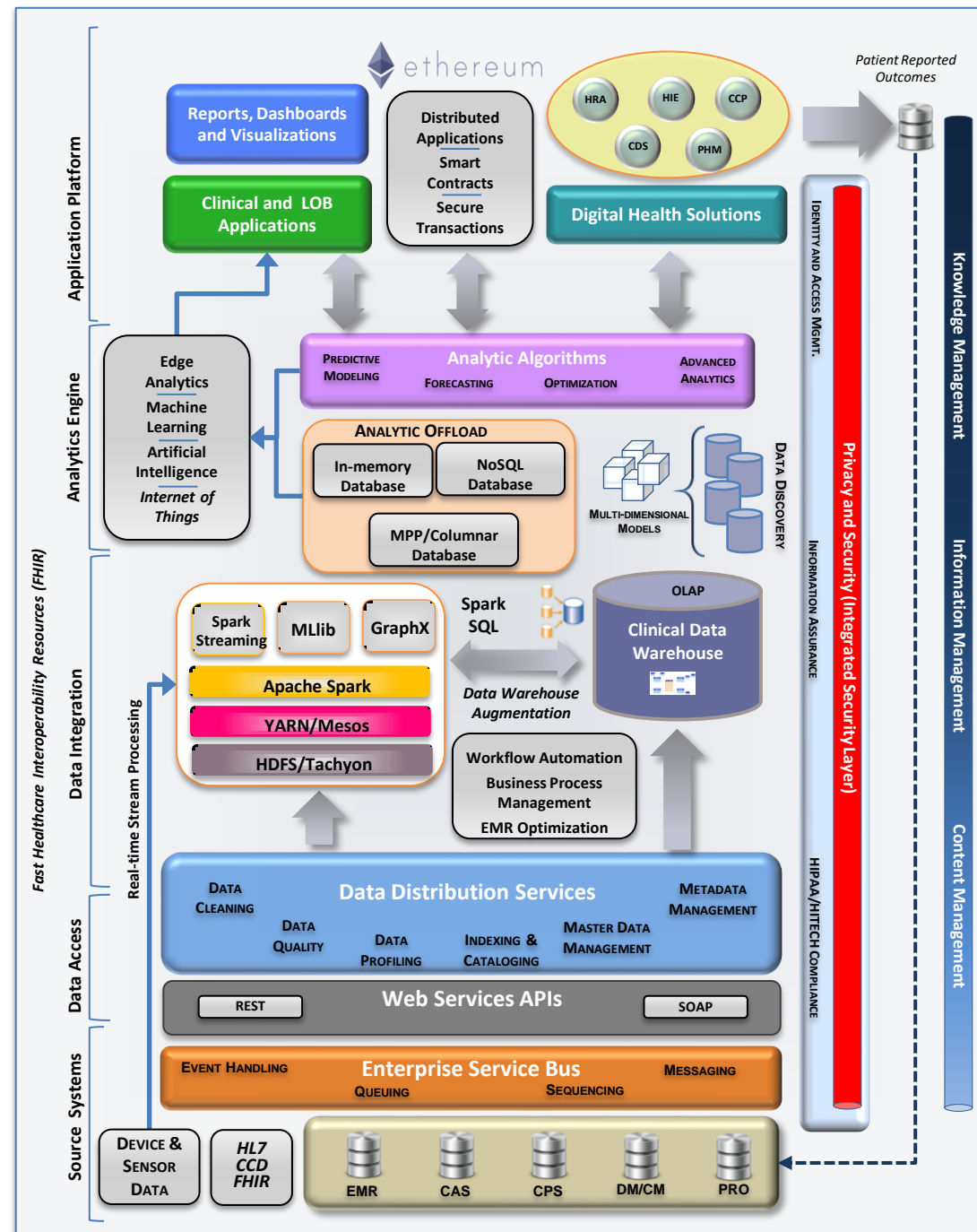


Future State Solution Architecture for Digital Health Transformation

KEY FEATURES

- Achieves interoperability and data liquidity through an interoperable, scalable infrastructure
- Establishes a Data Lake to include clinical data warehouse, data discovery tools, analytic databases and Apache Spark
- Optimizes workloads and improves performance via data warehouse augmentation
- Reduces IT lifecycle costs by leveraging commodity hardware and Open Source solutions
- Conforms to HL7 and IHE Interoperability standards and FHIR specification
- Ingests and analyzes data from devices and sensors for real-time stream processing
- Leverages technology for edge analytics, machine learning and Internet of Things
- Exposes data for health information exchange, applications and digital health solutions
- Automates clinical workflows and promotes EMR optimization
- Integrates multi-structured and stream data using advanced technologies that provide high velocity data capture, discovery and analysis
- Establishes a virtualized data environment that supports both REST and SOAP APIs, allowing multiple data structures and formats (JSON, XML, etc.)
- Includes an agile application development platform for rapid development and deployment
- Integrates Blockchain solutions for distributed applications, smart contracts and secure transactions
- Promotes privacy and security via identity and access management in compliance with HIPAA/HITECH



DRIVING DIGITAL HEALTH TRANSFORMATION

- ✓ Population Health Management
- ✓ Care Coordination
- ✓ Patient Engagement
- ✓ Value-based Payments
- ✓ Clinical Decision Support
- ✓ Research & Informatics
- ✓ Disease Management
- ✓ Precision Medicine
- ✓ Utilization Optimization
- ✓ Resource Allocation

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HIE – Health Information Exchange
PHM – Population Health Management
CCP – Care Coordination Portal
HRA – Health Risk Assessment
CDS – Clinical Decision Support

EMR – Electronic Medical Records
CAS – Cost Accounting Systems
CPS – Claims Processing Systems
DM/CM – Disease Management/
Case Management
PRO – Patient Reported Outcomes