Solution Architecture for Operating a Data-driven, Event-enabled Healthcare Organization

**KEY FEATURES**

- Promotes operational effectiveness, process automation and analytic excellence
- Enables advanced analytics and clinical informatics through an interoperable and scalable infrastructure
- Streamlines technology insertion based on agile development methodology for rapid deployments
- Balances sustainment, incremental advances, and transformational technologies
- Controls IT operational costs by eliminating redundancies and aligning capabilities
- Supports strategic planning, organizational alignment, and continuous process improvement
- Provides a practical framework for defining and realizing the evolving future state
- Integrates multi-structured and stream data using advanced technologies that provide high velocity data capture, discovery and analysis
- Establishes a virtualized data environment and extensible service-oriented architecture that supports both Restful and SOAP APIs, allowing multiple data structures and formats (JSON, XML, etc.)
- Provides an application development platform with domain-specific enclaves for evolving from “systems of record” to “systems of engagement”

**BENEFITS**

- Improved quality of care and patient outcomes
- Reduced life-cycle costs
- Minimized financial and operational risk
- Greater privacy and security
- Better planning and execution
- Improved knowledge management
- Emphasis on innovation and transformation

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