SOA Business Strategy

Celgene is a major global biopharmaceutical corporation focusing on the discovery, development, and the commercialization of products for the treatment of cancer and other severe, immune, inflammatory conditions. At any one time, there are numerous clinical trials at major medical centers using compounds from Celgene. Celgene needed their Clinical Trials Management System (CTMS) to integrate with other business systems and applications within Celgene.

Celgene engaged Vizuri to define a Services Oriented Architecture (SOA) implementation strategy to serve as the foundation for Business Process Management (BPM) and systems integration initiatives.

This approach enables Celgene to have control over systems integration and avoids the implementation of proprietary vendor technologies and dependencies.

Vizuri analyzed, designed, and implemented a SOA Reference Implementation that contains models, guidelines, and reference architectural prototypes for implementing software architectural approaches for a Services Oriented Architecture (SOA), Web Services Interoperability (WS-I), and Enterprise Application Integration (EAI) projects.

The goal of the SOA Business Strategy was to address and meet the needs of the CTMS while creating the initial foundation for an SOA Reference Implementation Model. Focus on the immediate project needs for technology independence and build the SOA Reference Implementation Model in small pieces

Each piece of the SOA Reference Implementation Model aligns with Celgene's organizational objectives of building out a comprehensive SOA and BPM Strategy.

Vizuri deliverables included:

➤ SOA Blueprint - outlines and defines overall strategy and business objectives for SOA

➤ SOA Standards and Guidelines - outlines and defines guiding principles, requirements for use, policies, standards, and reference architecture for each service type

➤ SOA Plan of Action - outlines and defines a comprehensive solution strategy for incrementally moving a Service Oriented Architecture through Phases of Maturity from Initial to Optimized Business Services

➤ SOA Patterns and Prototypes - outlines and defines SOA design patterns and documents architectural prototypes that were created to support the Business, IT and SOA Infrastructure goals and objectives

Solution Outcome

Celgene's SOA Business Strategy, SOA Blueprint, SOA Standards and Guidelines, and SOA Patterns and Prototypes serve as the foundation for all SOA and Integration projects at Celgene.

Vizuri was also contracted by Celgene to implement their Initial SOA Services for the Revlimid RevAssist project that was the first SOA based implementation.

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