

Data Services (SOA) Strategy

Informatica Professional Services

Duration: 20 days

IPS Staff Level: Principal consultant

Overview:


To keep pace with growing data demands and infrastructure complexity, organizations need a new architecture—one designed for extensibility and flexibility—a Service-Oriented Architecture (SOA). Informatica's approach to data integration and data quality is unique in that it enables shared data services for access, integration, auditing, and reporting to come together on an as-needed basis. Informatica can deploy flexible, easily deployed, and "smart" shared data services that eliminate data silos and simplify integration efforts for organizationwide access to consistent information. With this architecture, IT can extend the utility of existing systems without changing them, and substantially reduce costs and business risks of high-value IT projects.

Although the theoretical promise of enterprise agility is core to the benefits of SOA, many organizations have found that when they have implemented SOA in their application integration layer, they have struggled with the complexities of data fragmentation. This is because traditional SOA-enabling toolsets typically provide only simple data access and lack sophisticated data services. A data service is a **modular, reusable, well-defined**, business-relevant service that enables the access, integration, and **right-time** delivery of **enterprise data** throughout the enterprise and across corporate firewalls. Informatica is unique in its ability to provide the widest spectrum of data services encompassing data access services, data discovery services, data cleansing services, data integration services, data delivery services, and **metadata services**.

Solution:

Informatica begins each Data Services Strategy engagement by conducting a requirements gathering exercise to uncover the IT and business drivers around SOA adoption and expected results. In most organizations, we find that over 50 percent of the top ten initiatives being planned for a SOA delivery model require data services. Using the requirements and expected results as a baseline, Informatica will provide a roadmap of how Informatica's enterprise data services platform can add value to your Service-Oriented Architecture, and where the top priority data services exist for project planning purposes. Additionally, the roadmap will specify how an SOA provides an ideal framework for implementing data integration technology across the enterprise. In particular, the following five elements of an SOA will be addressed by the Data Services Strategy engagement:

- **Data Semantics:** The business context behind data definitions for concepts such as customer address, product category, or employee type
- **Data Quality:** Improving the accuracy and consistency of the "dirty data" common in disparate applications and legacy systems
- **Data Governance:** Data and metadata lineage, management, documentation, reporting, and auditing tools that help satisfy Sarbanes-Oxley and other regulatory requirements
- **Data Access:** Broad reach into structured, semi-structured, and unstructured data in hierarchical and relational databases, mainframe systems, files and documents, and applications
- **Bulk Data Processing:** Support for processing large data volumes, including changed data capture (updating only changed data for faster performance)



Drawing on our proven, 13-year track record of innovation and leadership, Informatica has defined the standard for data integration that has delivered competitive advantage and operational excellence to leading Global 1000 companies and government organizations.

For more information, contact Informatica Professional Services at ips@informatica.com



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