Enhance Readiness for Enterprise-Wide Deployment

Data quality deployments increasingly address operational data, which is data in IT systems that drive an organization's day-to-day business. This means that data quality has to support real-time, 24x7, mission-critical operations. The shift to operational data quality also increases the need for the data quality environment to interoperate with the overall enterprise IT environment in a seamless, service-oriented manner.

As companies increasingly adopt service-oriented architecture (SOA) frameworks, it's natural that data quality platforms deliver data services via multiple protocols that are easily consumable by a wide variety of downstream systems. And these data services must dynamically scale to meet varying demand.

The Informatica® Data Quality Web Services Option exploits Informatica PowerCenter’s scalability and Web services management capabilities to deliver data quality as a Web service. This option enhances Informatica Data Quality’s readiness for enterprise-wide deployment, increasing your overall return on data.

This option improves collaboration among business information owners and their IT organizations by enabling IT to deploy data quality functions as Web services, capitalizing on all the benefits of an SOA, including flexibility, reuse, and scalability.

Leveraging the scalability and manageability of PowerCenter and providing all the benefits of an SOA, the Informatica Data Quality Web Services Option deploys data quality rules as Web services.
Key Features

Real-Time Data Quality Web Services
This feature provides common data quality rules and processes as Web services. These data quality functions include:

- Data profiling
- Data cleansing
- Data standardization
- Data matching

This feature allows batch or transactional processing of any Informatica Data Quality rule.

Dynamic Scalability and Performance
Multiple concurrent data quality clients can be serviced by a single running instance of a data quality workflow, optimizing computing capacity. This option automatically scales the number of concurrently executing data service instances to utilize all resources on a grid.

Data Quality Operations Integration
This feature integrates data quality processes and mappings into existing batch or transactional applications, invoking data quality via enterprise applications.

Key Benefits

Maximize the Value of Your SOA
Poor data quality can undermine the value of your SOA. This option enables standard data quality Web services to be built in as an integral component to your SOA. It also enables data quality rules to be deployed directly from your SOA, enhancing your SOA's flexibility, reuse, and scalability.

Boost IT’s Scalability and Productivity
The Web Services Option leverages the scalability and manageability of PowerCenter to deploy data quality services enterprise-wide. It automatically scales the number of concurrently executing data service instances to utilize all computing resources on a grid, supporting the large number of concurrent users typical in a shared services environment. It enables multiple concurrent clients to be serviced by a single running instance of a dynamically scalable data quality workflow, optimizing the use of limited computing capacity.

With this option, data quality developers are much more productive. They can define and build the data quality Web services once and reuse them across multiple applications.

Maximize the Value of Technology Investments and the Return on Data
Your company has significant investments in its business applications. But any application is only as good as the quality of the data that it uses. With this option, data quality Web services are easily integrated in existing batch or transactional applications, improving the quality of data in enterprise applications. Data quality problems can be caught and fixed before they compromise business applications. You can maintain your business systems with high-quality data, maximizing technology investments by stopping data entry errors from proliferating throughout those systems.