Informatica PowerCenter Pushdown Optimization

Increase Performance with Optimal Use of Database Resources
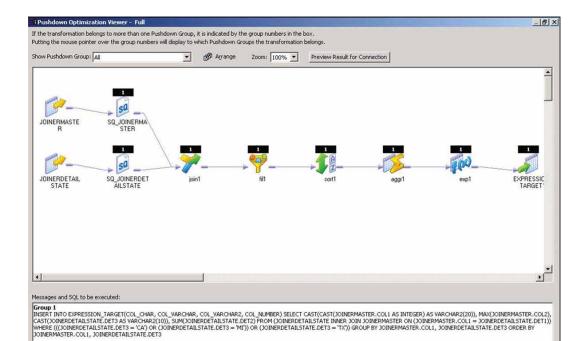
BENEFITS

- Increase IT systems' flexibility, cost-effective scalability, and performance

- Enhance IT's agility and flexibility

- Boost developer productivity

The Informatica® PowerCenter® Pushdown Optimization Option enables data transformation processing, where appropriate, to be pushed down into any relational database to make the best use of database assets. With this option, PowerCenter is the first data integration software on the market to offer a choice of where data processing occurs.

In most instances, the PowerCenter data server functions as the engine behind data processing. When both source and target data are co-resident in a relational database, processing can be pushed down into that database. This option optimizes the performance of your IT systems in response to changing run-time demands, peak processing needs, or other dynamic aspects of the production environment.

With the Pushdown Optimization Option, you enhance your IT organization's agility and flexibility by being able to adapt easily to changing business conditions. And you boost productivity by empowering developers to control where processing takes place and create and execute transformation mappings easily using a single interface.

The Pushdown Optimization Option improves system performance by enabling processing to be pushed down to a relational database, maximizing flexibility and minimizing unnecessary data movement.

Key Features

Automatic Generation and Pushdown of Mapping Logic

This feature generates database-specific logic that represents the overall data flow. It automatically shifts data transformation processing to the most appropriate processing resource.

Database Neutrality

By exploiting the processing power of the database in which the data resides, this feature helps IT organizations reap greater scalability and performance. It ends reliance on database-specific programming.

Single Design Environment

A user-friendly interface makes it easy to decouple data transformation logic from the physical execution plan. With this feature, your IT team can control where processing takes place and dynamically create and execute database-specific transformation language.

Key Benefits

Increase IT Systems' Flexibility, Cost-Effective Scalability, and Performance

In most instances, the PowerCenter data server functions as the engine behind data processing. If both source and target data are co-resident in a relational database, then processing can be pushed down into that database. Pushdown optimization is abstracted from data mapping, which optimizes IT systems' performance in response to changing run-time demands, peak processing needs, or other dynamic aspects of the production environment.
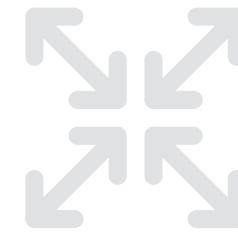
Enhancing IT's Agility and Flexibility

Even when your IT organization can standardize on a single relational database management system, you need to be prepared to support multiple relational databases as business conditions change. With the Pushdown Optimization Option, you get a database-neutral approach and maximum flexibility. Your IT organization can fully leverage the capabilities of each type of database and stay agile enough to rapidly integrate other types of databases as the need arises.

Boost Developer Productivity

The Pushdown Optimization Option boosts productivity by allowing your development team to control where processing takes place. Your team doesn't have to resort to time-consuming database-specific programming to exploit database processing power. You can create and execute database-specific transformation language by simply selecting pushdown optimization in the PowerCenter interface—a huge time savings.