IBM InfoSphere Data Replication / Replication Server (Q replication) for z/OS Services

Gain business value quickly

Highlights:

- Our Services experts can help you gain business value quickly with your InfoSphere Data Replication / Replication Server (IIDR/ Q Replication) for z/OS deployment

- IIDR/Q Replication for z/OS proven practices transferred to your team

- Benefit from near real-time synchronization of active-active databases

- Eliminates dependency on batch window updates and reduce data latency

IBM InfoSphere Data Replication/ Replication Server (IIDR/Q Replication) is a replication solution that can replicate large volumes of data at low levels of latency. IIDR/Q Replication captures changes to source tables and converts committed transaction data into messages.

The changed data is not staged in tables. As soon as the data is committed at the source and read by IIDR/Q Replication, the data is sent. The messages are sent to the target location through WebSphere MQ message queues. At the target location, the messages are read from the queues and converted back into transactional data. The transactions are then applied to your target tables with a highly paralyzed method that preserves the integrity of your data.

You can use IIDR/Q Replication for a variety of purposes that require replicated data, including failover, capacity relief, geographically distributed applications, and data availability during rolling upgrades or other planned outages.

IIDR/Q Replication for z/OS plays an important role in Enterprise Application Integration initiatives by:

- Eliminating hand-coding formerly required to monitor data changes
- Removing data-event capture overhead from the transaction path itself
- Providing a single integration point—the source data—for data events that may be initiated by multiple applications, making the data-event capture independent of the applications and their evolution
- Making the data integration independent of the structure or processing flow of the applications involved
- Reducing latency for data delivery through ETL tools

What we offer

The implementation of IIDR/Q Replication for z/OS will capture data changes from DB2 subsystems (stand alone, or datashare groups). Those changes will then be packaged in a consistent and compact format and sent to a target IIDR/Q Replication as WebSphere MQ messages.

The duration is typically one to two weeks and it consists of three to four phases:

1. Planning of the installation

This consists of gathering application and technical requirements, and system infrastructure details which are captured as part of an environment prerequisite checklist created by the consultant & validated with you prior the start of the engagement.

2. Configuration

This phase consists of creating queue map definitions, and subscriptions which map source to target tables with some transformations as needed; this is done for a limited set of tables.

3. Testing

Usually our clients provide a test case supporting the application; the purpose of this phase is to validate that the changes are captured correctly.

4. Monitoring

This phase consists of implementing the 'Data Replication Dashboard' and/or the 'Alert Monitor' to track and report on replication processes. These tools are invaluable when moving into production, validating ongoing replication and quickly resolving issues.

Deliverables

The following items will be delivered:

- An environment prerequisite checklist will be created by the consultant to ensure all prerequisites are met
- Together with your team, a configuration of queue maps and subscriptions will be completed
- Installation and configuration of Data Replication Dashboard or the Alert Monitor
- A system configuration document will be provided with specific configuration parameters for your environment

The client will gain the necessary knowledge transfer to be able to provide future changes to the environment independently.

Benefits

This engagement will:

- Leverage repeatable, proven processes and standards to reduce costs and project risks
- Accelerate the time to value and ROI with the knowledge and proven practices brought by our implementation experts
- Gain knowledge transfer and lessons learned from our experts
- Validate the installation with a basic configuration

Engage today

With a world-wide team of highly trained professionals, the IBM Analytics Services team can help build your solution with confidence while assuring that the business needs and expectations of your organization are met.

Our experts are ready to assist your organization with:

- Establishing project goals and expectations
- Maximizing the return on your investment
- Reducing project delivery times, complexity and risk through the delivery of proven offerings
- Reducing total cost of ownership
- Information sharing through our mentoring approach

Available for any delivery approach, the IBM Analytics Services team will produce results quickly to help put your project on the road to success.

For more information

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