

IBM InfoSphere Data Replication / Data Event Publisher for z/OS Service

Gain business value quickly



Highlights:

- Our 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
- IIDR/Data Event Publisher can help to synchronize your Operational Data Store with your Data Warehouse to drive business integration
- Near real-time incremental change data capture eliminates dependency on batch window updates and reduces data latency updates and reduce data latency

Event publishing captures changes to source tables and converts committed transactional data to messages in an Extensible Markup Language (XML) format or delimited format. Each message can contain an entire transaction or only a row-level change. These messages are put on WebSphere MQ message queues and read by a message broker or other applications. You can publish subsets of columns and rows from source tables so that you publish only the data that you need.

You can use event publishing for a variety of purposes that require published data, including feeding central information brokers and Web applications, and triggering actions based on updates, inserts, or deletes to source tables.

IIDR/Data Event Publisher 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/Data Event Publisher for z/OS will capture data changes from a DB2 subsystems (*stand alone, or datashare groups*). Those changes will then be packaged in a consistent format and sent to a target WebSphere MQ queue.

The duration is typically one week and consists of three or four phases:

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 and validated with the client prior the start of the engagement.

Configuration

This phase consists of creating queue map definitions, and publications which identify the source table column data to be published; this is done for a limited set of tables. The client has choices of whether to publish as XML or custom delimited messages, and whether to publish a single row changes per message, or transaction level changes per message.

Testing

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

Monitoring

This phase consists of implementing the Data Replication Dashboard and/or the Alert Monitor to track and report on publication processes. These tools are invaluable when a client moves into production, to validate ongoing replication, and quickly resolve issues.

Deliverables

The following items will be delivered to you as a result of this implementation:

- An environment prerequisite checklist will be created by the IBM consultant to ensure all prerequisites are met
- Together with your team, a configuration of queue maps and publications 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.

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