IBM

# Information Management Software Services
## InfoSphere Data Event Publisher for z/OS Capability Services

### Highlights

- *Our Services experts can help you gain business value quickly with your Replication Server Data Event Publisher deployment*

- *Replication Server Data Event Publisher for z/OS best practices transferred to your team*

- *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*

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.

InfoSphere 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 IM Services has to offer

The implementation of InfoSphere Replication Server, Data Event Publisher, on 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 it 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 & validated with the customer 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 customer 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 customers provide a test case supporting the application; the purpose of this phase is to validate that the changes are captured correctly.

### Monitoring

consists of implementing the 'Q replication Dashboard' and/or the 'Alert Monitor' to track and report on publication processes. These tools are invaluable when a customer moves into production, to validate ongoing replication, and quickly resolve issues.
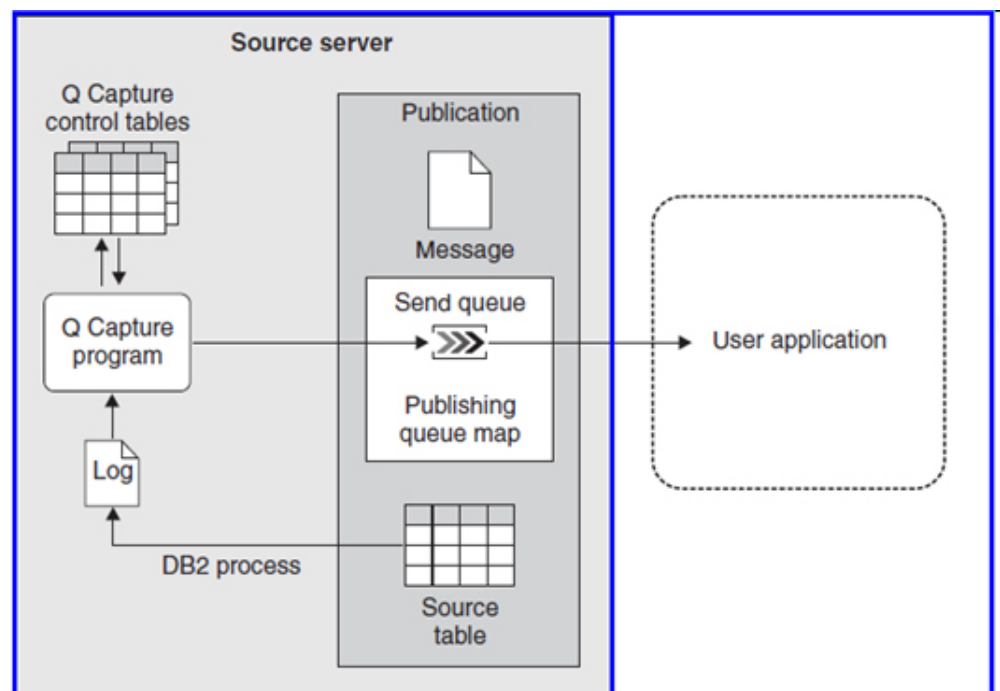
### Deliverables

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

- An environment prerequisite checklist will be created by the Information Management 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 Q replication Dashboard or the Alert Monitor
- A system Configuration document will be provided with specific configuration parameters for your environment

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

**A Sample Data Event Publisher Configuration**

## Benefits of this engagement

This engagement will leverage best practices & methodology to ensure low risk and a quick return of your software investment.

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

## Your independence is our greatest success

That is the underlying theme to our delivery approach for the InfoSphere Data Event Publisher for z/OS Capability Services offering. We believe that nothing is more important than transferring our knowledge to your organization and supporting your objective to become self-sufficient.

## Engage Today

With a world-wide team of highly trained services professionals, the IBM Information Management 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, 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

Available for whatever the delivery approach your business requires, the IBM Information Management Software Services team will produce results quickly, and will help to put your project on the road to success.

## For More Information

For more information regarding this or any services offerings, please visit the IBM Information Management website at:
**ibm.com**/software/data/services