

INFOSOFT IT SOLUTIONS

Training | Projects | Placements

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IBM Integration Bus Course

Course Contents

- Introduction to Enterprise Services Bus
- Introduction to MQ & SOA & IIB
- Installation of MQ and IIBV9
- IIB Nodes Overview
- Working with Tool Kit

Websphere MQ Series

- MQ Concepts
- MQ Commands
- IIB Commands
- Publish & Subscribe
- Triggering
- Clustering
- Trouble shooting

Transformation

- CSV – XML Transformation
- BLOB – MRM – XMLNSC Transformation
- BLOB – MRM – SOAP Transformation
- Mapping Node Transformation

- Java Compute Node Transformation
- DFDL – Cobol Transformation
- XSLT Node Transformation

Routing

- Flow order Node
- Filter Node
- Route to Label Nodes
- Propagation
- Aggregation Nodes
- Business Rules – Decision Service Node

Web services

- SOAP Input, Request, Reply, Extract, Envelope
- REST Services HTTP Input, Request, Reply
- WSRR – End point and Registry look up nodes
- Webservice Reliable Messaging
- Service Discovery and cataloguing

Exception Handling

- Try catch & Throw Nodes
- Exception Handling

Logging Frame Work

- Log4J Node
- Record & Replay
- **Monitoring**
- Workload Management
- Detecting & Resolving Unresponsive Messages
- Improved Web Visualization & Analytics

DataBase

- Installing & Configuring DB2
- SQL Queries – Select,Insert,Update,Delete
- Database Services & Analysis

Design & Performance

- Creating XSD, WSDL using XML Spy
- Creating Integration Design Specification
- Considerations for Message Flow Development, ESQL, Infrastructure

Patterns

- File Processing
- Record Distribution
- Record Distribution to HTTP: one-way pattern
- Record Distribution to WebSphere MQ: one-way pattern
- Message-based Integration
- Message Request Response Correlator pattern
- Message Correlator for WebSphere MQ: request-response with persistence pattern
- Message Correlator for WebSphere MQ: request-response without persistence
- Message Splitter pattern
- Message Splitter for WebSphere MQ: one-way (for XML) pattern
- Service Enablement
- Service Facade pattern
- Service Facade to WebSphere MQ: one-way with acknowledgment pattern
- Service Facade to WebSphere MQ: request-response pattern
- Service Virtualization

- Service Proxy pattern
- Service Proxy: static endpoint pattern

ESQL

- ESQL Functions
- Local Environment Variable
- Environment Variable
- Shared Variable