



Enterprise Computing Solutions - Education Services

TRAINING OFFERING

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IBM Integration Bus V10 Application Development II

CODE:	LENGTH:	PRICE:
ZM676G	4 days	\$1,200.00

Description

This course is also available as classroom course *IBM Integration Bus V10 Application Development II* (WM676G).

This course provides an intermediate-level continuation of the topics necessary to successfully create IBM Integration Bus message flow applications and integration services.

This course focuses on using IBM Integration Bus to develop, deploy, and support platform-independent message flow applications and integration services. These applications and integration services use various messaging topologies to transport data between service requesters and service providers, and also allow the data to be routed, transformed, and enriched during processing.

Topics in this course include creating integration services and message flow applications that use and provide web services. You also learn how to use event driven processing nodes and how to use the record and replay facility to capture and view data during processing. You also learn how IBM Integration Bus interacts with other IBM and enterprise information products. Lab exercises throughout the course give you an opportunity to practice your new skills.

For information about other related courses, visit the IBM Training website: ibm.com/training

Objectives

After completing this course, you should be able to:

- Use event driven message processing to control the flow of messages by using message aggregation, message collections, message sequences, and time-sensitive nodes
- Transform data by using Microsoft .NET and XML stylesheets
- Analyze and filter information in complex XML documents
- Extend DFDL message models
- Use message sets and the Message Repository Manager (MRM) parser
- Provide a message flow application as a web service
- Request a web service from within a message flow
- Describe how to implement WS-Addressing and WS-Security standards in IBM Integration Bus
- Create an integration service
- Create and implement an IBM MQ request and response service definition
- Create and implement a database service definition
- Configure security-enabled message processing nodes
- Create a decision service that implements business rules to provide routing, validation, and transformation
- Expose a set of integrations as a RESTful web service
- Use a global cache to store static data
- Record and replay data that a message flow application processes
- Implement publish and subscribe with IBM Integration Bus
- Describe the workload management options for adjusting the message processing speed, and controlling the actions that are taken on unresponsive flows and threads
- Construct user-defined patterns
- Describe how IBM Integration Bus integrates with other IBM products such as IBM WebSphere Enterprise Service Bus and IBM DataPower Appliances

Audience

This intermediate course is designed for integration specialists and senior-level developers with experience in IBM Integration Bus application development.

Prerequisites

Before taking this course, you should successfully complete *IBM Integration Bus V10 Application Development I (WM666G)*, which introduces IBM Integration Bus development topics that are necessary for success in this course.

Programme

Using event driven processing nodes
Exercise: Implementing message aggregation
Transforming data with Microsoft .NET
Transforming data with XSL stylesheets
Analyzing XML documents
Modeling complex data with DFDL
Exercise: Extending a DFDL model
Working with message sets and the MRM domain
Supporting web services
Exercise: Implementing web services
Developing integration solutions by using integration services
Exercise: Creating an integration service
Connecting a database by using a discovered service
Connecting IBM MQ by using a discovered service
Exercise: Creating IBM MQ and database services
Creating a decision service
Exercise: Creating a decision service
Developing integration solutions by using a REST API
Using the global cache
Implementing message flow security
Exercise: Implementing IBM Integration Bus runtime security
Implementing publish/subscribe
Monitoring message flow events
Exercise: Recording and replaying message flow data
Managing the workload
Creating patterns for reusability
Extending IBM Integration Bus

Further Information

Prior to enrolling, IBM Employees must follow their Division/Department processes to obtain approval to attend this public training class. Failure to follow Division/Department approval processes may result in the IBM Employee being personally responsible for the class charges.

GBS practitioners that use the EViTA system for requesting external training should use that same process for this course. Go to the EViTA site to start this process:

<http://w3.ibm.com/services/gbs/evita/BCSVTEnr1.nsf>

Once you enroll in a GTP class, you will receive a confirmation letter that should show:

- The current GTP list price
- The 20% discounted price available to IBMers. This is the price you will be invoiced for the class.

Session Dates

Date	Location	Time Zone	Language	Type	Guaranteed	PRICE
15 Aug 2022			English	Self Paced Training		\$1,200.00

Additional Information

[This training is also available as onsite training. Please contact us to find out more.](#)