

IBM INTEGRATION BUS SYSTEM ADMINISTRATION (5 days)

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Objectives

After completing this course, you should be able to:

- Install and configure an IBM Integration Bus instance
- Establish, maintain, and manage an integration node
- Administer IBM Integration Bus components and message flow applications by using the IBM Integration web user interface and command interface
- Configure connectivity to IBM MQ to enable IBM Integration Bus to get messages from, or put messages to, queues on a local or remote queue manager
- Implement IBM Integration Bus administration and message flow security
- Use problem determination aids to diagnose and solve development and runtime errors
- Use the IBM Integration web user interface to generate and display message flow statistics
- Use IBM MQ or MQTT to publish and subscribe to IBM Integration Bus topics
- Implement an IBM Integration Bus global cache to store, reuse, and share data between integration nodes
- Use workload management policies to adjust the processing speed of messages and control the actions that are taken on unresponsive flows and threads
- Use the IBM Integration web user interface and a database to record events and replay messages
- Enable an integration node to connect to a database with ODBC and JDBC
- Configure a Java Message Services (JMS) provider for use with the JMS nodes
- Configure IBM Integration Bus for the secure file transfer protocol (SFTP)
- Find and install IBM Integration Bus SupportPac components

Audience

This course is designed for IBM Integration Bus administrators and developers who administer IBM Integration Bus.

Prerequisites

- Before taking this course, you should have hands-on experience with the Windows operating system, and be familiar with basic security

practices and protocols such as Secure Socket Layer (SSL) and Lightweight Directory Access Protocol (LDAP). Experience with IBM Integration Bus message flow development and IBM MQ system administration is helpful, but not required.

Topics

- IBM Integration Bus overview
- Product installation, configuration, and security planning
- Exercise: Integration node setup and customization
- Connecting to IBM MQ
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- Administration in the IBM Integration Toolkit
- Exercise: Using the IBM Integration Toolkit
- Administration basics
- Exercise: Administering the IBM Integration Bus runtime components
- Implementing IBM Integration Bus administration security
- Exercise: Using file-based security to control administration access
- Exercise: Using queue-based security to control administration access
- Implementing IBM Integration Bus message flow security
- Administering web services and web service security
- Exercise: Implementing web services and web services security
- Diagnosing problems
- Exercise: Using problem diagnosis tools
- Exercise: Identifying runtime problems
- Monitoring the integration node and message flow performance
- Publish/subscribe implementation overview
- Exercise: Viewing runtime statistics
- Configuring IBM Integration Bus for high availability
- Exercise: Administering workload management policies
- Monitoring, recording, and replaying message flow events
- Exercise: Recording and replaying message flow data
- Extending IBM Integration Bus