

IBM Integration Bus V10 System Administration

Course code: WM646G

This course gives administrators training on IBM Integration Bus system administration. It is also relevant for IBM Integration Bus developers who also work in an administrative capacity. In this course, you learn how to administer IBM Integration Bus on distributed operating systems, such as Windows and AIX, by using the IBM Integration Bus administrative interfaces.

Who is the course for

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

What we teach you

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

Required skills

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.

Course outline

Course introduction IBM Integration Bus overview Product installation, configuration, and security planning Exercise: Integration node setup and customization Connecting to IBM MQ Exercise: Connecting to IBM MQ 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

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

GOPAS Brno

Nové sady 996/25
602 00 Brno
Tel.: +420 542 422 111
info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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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 Course summary

GOPAS Praha

Kodaňská 1441/46
101 00 Praha 10
Tel.: +420 234 064 900-3
info@gopas.cz

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info@gopas.cz

GOPAS Bratislava

Dr. Vladimíra Clementisa 10
Bratislava, 821 02
Tel.: +421 248 282 701-2
info@gopas.sk



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