

IBM Integration Bus V10 System Administration

Code: ZM646G-SPVC

URL: [View Online](#)

This IBM Self-Paced Virtual Class (SPVC) includes:

- PDF course guide available to attendee during and after course
- Lab environment where students can work through demonstrations and exercises at their own pace

This course is also available as classroom course *IBM Integration Bus V10 System Administration (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 UNIX, by using the IBM Integration Bus administrative interfaces. These interfaces include the IBM Integration web user interface and the IBM Integration Bus commands.

The course begins with an overview of IBM Integration Bus. Subsequent topics include initial product installation and maintenance, environment configuration, and basic administrative tasks such as backing up and recovering the environment. You learn about product requirements, securing access to IBM Integration Bus resources and message flows, problem determination and resolution, and performance monitoring and tuning. You also learn techniques for extending the capabilities of IBM Integration Bus. The course also covers the publish/subscribe model and reviews the Java Message Service (JMS) transport protocol and web services.

In the course lab exercises, you gain hands-on experience with IBM Integration Bus administrative tasks such as managing IBM Integration Bus runtime components, monitoring message flow applications, and configuring security.

Skills Gained

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

Who Can Benefit

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.

Course Details

Course Outline

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 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

Follow-on Courses

Browse the suggested follow-on courses below and continue your training journey. We offer training in various learning formats, from instructor-led to virtual, so you can choose what works best for you. Get started by selecting a course to learn more.

Integration Bus - IBM Integration Bus V10 Application Development II

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