Enterprise Computing Solutions - Education Services

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WebSphere Enterprise Service Bus V7.0 Administration

CODE:	DURÉE:	PRIX H.T.:
ZB723G	24 Hours	€910.00

Description

This course is also available as classroom course *WebSphere Enterprise Service Bus V7.0 Administration* (WB723G).
This course teaches students the skills and concepts needed to administer IBM WebSphere Enterprise Service Bus V7.0.
As a key IBM enterprise service bus product, WebSphere Enterprise Service Bus provides a standards-based integration solution that enables users to create and deploy interactions quickly and easily between applications and services.
This course has an administrative focus, and it begins by introducing students to the concept of the enterprise service bus (ESB) as an architectural pattern, as well as positioning the role of an ESB within a service-oriented architecture (SOA). Students learn about IBM's product support for the ESB pattern through a detailed discussion of the technical specifications for the WebSphere Enterprise Service Bus product.
Students also learn how mediations are the central component in WebSphere Enterprise Service Bus through lectures that cover how mediations are implemented within the product. In addition, this course covers other administrative aspects of working with WebSphere Enterprise Service Bus, such as configuring security and monitoring resources.
In the hands-on lab exercises, students learn how to install WebSphere Enterprise Service Bus as well as how to deploy, configure, and monitor mediations with tools such as the administrative console and the command line. Throughout the labs, students gain a basic understanding of mediation development by using WebSphere Integration Developer to explore and configure previously configured mediations. Additional labs enable students to configure security and use Business Space pages and widgets to monitor mediations that are deployed to WebSphere Enterprise Service Bus.
For information about other related courses, visit the IBM Training website:
http://www.ibm.com/training
If you are enrolling in a Self Paced Virtual Classroom or Web Based Training course, before you enroll, please review the **Self-Paced Virtual Classes and Web-Based Training Classes** on our Terms and Conditions page, as well as the system requirements, to ensure that your system meets the minimum requirements for this course.
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Objectifs

- Explain why an enterprise service bus (ESB) is an integral part of a service-oriented architecture (SOA)
- Define the enterprise service bus as an architectural pattern
- List the capabilities of an enterprise service bus
- Explain the relationship of WebSphere Enterprise Service Bus to the WebSphere family of products
- Describe the main architectural concepts that support WebSphere Enterprise Service Bus V7.0
- Install and configure WebSphere Enterprise Service Bus V7.0
- Describe the structure of a mediation module
- Explain the relationship between mediation primitives and mediation modules
- Use WebSphere Integration Developer to examine the structure of a mediation module
- Deploy mediation modules using the WebSphere Enterprise Service Bus administrative console or a command-line interface
- Configure advanced quality of service properties, such as security and server resources that are needed by mediation applications
- Configure and manage enterprise applications using WebSphere Enterprise Service Bus administrative tools
- Configure security for server-side application resources
- Configure a business space to monitor resources that are deployed by WebSphere Enterprise Service Bus

Audience

This course is designed for IT professionals who function in administrative roles.

Prérequis

Students should have:

- Fundamental knowledge of service-oriented architecture (SOA)
- Knowledge of the role Web services play within an SOA
- Knowledge of Web service standards
- Experience with the administration of WebSphere Application Server V6.1 **or** higher

Programme

- Course introduction
- Introduction to services and the enterprise service bus pattern
- WebSphere Enterprise Service Bus V7.0 installation, deployment, and configuration
- Exercise: WebSphere Enterprise Service Bus V7.0 installation
- Exercise: Cell configuration
- Functional overview of WebSphere Enterprise Service Bus
- Functional overview, part 1: Service Component Architecture
- Functional overview, part 2: Mediation framework technology and Common Event Infrastructure
- Functional overview, part 3: Mediation primitives
- Exercise: Exploring mediations
- Functional overview, part 4: Service integration bus
- Functional overview, part 5: Bindings
- Exercise: Exploring SIBus and binding configurations
- Building a mediation module
- Exercise: Building a mediation module
- Server administration concepts and tools
- Deploying a mediation module
- Exercise: Deploying a mediation module
- Administering a mediation module
- Exercise: Administering a mediation module
- Security configuration
- Exercise: Securing a mediation module
- Error handling and debugging
- WebSphere Enterprise Service Bus integration with Business Space powered by WebSphere
- Exercise: Creating and configuring business spaces
- WebSphere Enterprise Service Bus integration with IBM SOA products
- Course summary

Dates de session

Sur demande. Merci de nous contacter

Informations Complémentaires

Cette formation est également disponible sous forme de formation sur site. Veuillez nous contacter pour en savoir plus.