Training: IBM
# WebSphere Application Server Administration

## TRAINING GOALS:

This course teaches you the skills that are needed to administer IBM WebSphere Application Server V9.

This release of IBM WebSphere Application Server provides enhanced support for standards (notably Java 7 EE), emerging technology, and a choice of development frameworks.

In this course, you learn how to configure and maintain IBM WebSphere Application Server V9 in a single-server environment. You learn how to deploy enterprise Java applications in a single computer configuration. In addition, you learn how to work with features of WebSphere Application Server V9, such as the wsadmin scripting interface, security, and performance monitoring.

Hands-on exercises throughout the course give you practical experience with the skills you develop in the lectures.

For information about other related courses, see the IBM Training website:

http://www.ibm.com/training

After completing this course, you should be able to:

- Relate WebSphere Application Server to the WebSphere family of products
- Describe the features and standards in WebSphere Application Server V9
- Describe the use of WebSphere Application Server in cloud, hybrid cloud, and on-premises environments
- Describe the architectural concepts that are related to WebSphere Application Server
- Assemble and install server-side Java enterprise applications
- Use WebSphere administrative tools to configure and manage enterprise applications
- Use wsadmin scripting
- Configure WebSphere Application Server security
- View performance information about server and application components
- Troubleshoot problems by using problem determination tools and log files

This course is designed for administrators who configure and manage web-based applications on WebSphere Application Server. Web administrators, application developers and deployers, security specialists, and application architects can also benefit from this course.

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## CONSPECT:

Course introduction
WebSphere product family overview
WebSphere Application Server architecture - stand-alone
Exercise: Profile creation
WebSphere Application Server administrative console
Exercise: Exploring the administrative console
Introduction to the PlantsByWebSphere application
Application assembly
Exercise: Assembling an application
Application installation
Exercise: Installing an application
Problem determination
Exercise: Problem determination
Introduction to wsadmin and scripting
Exercise: Using wsadmin
WebSphere security
Exercise: Configuring WebSphere Application Server security
Exercise: Configuring application security
Performance monitoring
Exercise: Using the performance monitoring tools
Course summary

## REQUIREMENTS:

○ Basic operational skills for the Linux operating system

○ Administrative skills for a web server, such as IBM HTTP Server or Apache

○ Basic understanding of cloud concepts, private, public, and hybrid clouds, and traditional on-premises environments

## Difficulty level