

Course Code: ZA590GS

Course Title: WebSere Application Server V9 Administration

Description:

This self-paced course with hands-on exercises teaches you the skills that are needed to administer IBM WebSere Application Server V9.

This release of IBM WebSere 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 WebSere 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 WebSere 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.

Objectives:

After completing this course, you should be able to:

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

Exercises

- Exercise 1: Profile creation
- Exercise 2: Exploring the administrative console
- Exercise 3: Assembling an application
- Exercise 4: Installing an application
- Exercise 5: Problem determination
- Exercise 6: Using wsadmin
- Exercise 7: Configuring WebSere Application Server security
- Exercise 8: Configuring application security
- Exercise 9: Using the performance monitoring tools

Prerequisites:

- 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

Duration:

20 Hrs

Topics:

- Course introduction
- WebSere product family overview
- WebSere Application Server architecture - stand-alone
- Exercise: Profile creation
- WebSere Application Server administrative console
- Exercise: Exploring the administrative console
- Introduction to the PlantsByWebSere 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
- WebSere security
- Exercise: Configuring WebSere Application Server security
- Exercise: Configuring application security
- Performance monitoring
- Exercise: Using the performance monitoring tools
- Course summary

Audience:

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