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Course Code: WA190G

Course Title: Administering WebSere Application Server Liberty Profile V9

## Description:

This course teaches you the skills that are needed to manage Liberty servers and collectives.

The course is designed for application server administrators. You learn how to use the graphical Admin Center and the command line scripting to manage servers from a collective controller. The course also covers how to deploy a cluster of packaged servers for Liberty runtimes, view the deployment environment, and view basic performance metrics.

You learn how to use the Dynamic Routing feature of Liberty to enable routing of HTTP requests to collective members. You also configure the auto-scaling and health management features for Liberty.

Finally, you learn how to secure Liberty and enable SSL communication in Liberty.

## Objectives:

After completing this course, you should be able to:

- Describe the WebSere Liberty Profile architecture
- Create a Liberty profile server
- Use the Admin Center to manage Liberty servers
- Deploy clusters of Liberty servers
- Use the collective controller
- Use Jython scripts to administer Liberty servers
- Configure Dynamic Routing
- Configure the auto scaling feature and define auto scaling policies
- Configure SSL communication in Liberty
- Use the IBM HTTP and web server plug-in with Liberty servers

## Prerequisites:

Before taking this course, you should have a general knowledge of:

- Java Platform, Enterprise Edition (Java EE)
- Administering web servers and application servers
- The Ubuntu Linux operating system

## Duration:

16 Hrs

## Topics:

Course introduction  
Introduction to Liberty administration and runtime architecture  
Multi-server management  
Exercise: Managing Liberty collectives with the Admin Center  
Administration and application

deployment with scriptingExercise: WebSere Liberty administration by using Jython ScriptsDynamic  
RoutingExercise: Dynamic RoutingAuto-scaling in LibertyExercise: Auto-scalingSecuring LibertyExercise:  
Using the IBM HTTP Server with SSL to a Liberty serverCourse summary

**Audience:**

This course is designed for administrators of IBM WebSere Application Server Liberty Profile.