

# WebSphere Application Server V9 Administration

Course code: WA590G

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.

## Who is the course for

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.

## What we teach you

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

## Required skills

- 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

## Course outline

- 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

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- Exercise: Using the performance monitoring tools
- Course summary

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