

IBM WebSphere Education WebSphere Application Server Curriculum



Build core administration and development skills to leverage new capabilities

Highlights

- Comprehensive WebSphere Application Server curriculum covering development, administration and performance topics
 - Convenient learning formats ranging from traditional classroom instruction (ILT) to instructor-led online (ILO), self-paced virtual courses (SPVC) and mobile
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Providing the right application foundation to meet your business need

Today, organizations struggle to increase the speed with which they can respond to market demands with new applications and services. At the same time, they must find a way to reduce the costs of providing those applications and services while ensuring their availability and data security.

IBM WebSphere® Application Server V8.0 addresses these needs by delivering complete Java EE 6 support and certification; increased support for programming models and standards; enhanced performance, administration and security capabilities; faster problem determination; directory-based Java EE application installs; and simplified product installations and maintenance.

The WebSphere Application Server curriculum provides a broad array of courses for many of the roles involved in deploying services and applications across your WebSphere infrastructure. This curriculum offers several courses for application developers based on IBM Rational Application Developer that help build skills from Java EE and AJAX to Web services development.

Administrators also have several course options that provide deep administration and problem determination skills across the WebSphere Application Server portfolio. To meet varied deployment environments, courses are available for specific operating platforms, including Windows, Linux and AIX.



WebSphere Application Server Administration

Administrator Transition Courses

These courses provide the experienced WebSphere Application Server Administrator the delta skills necessary to quickly ramp up their skill set to effectively work with the newest version.

Course Title	V7 Course Format/Code	V8 Course Format/Code
Technical Overview of WebSphere Application Server	SPVC/ZU700	SPVC/ZU800
Transition to WebSphere Application Server or Administrators	ILO/VU701 SPVC/WU701	ILT/WU801 ILO/VU801 SPVC/ZU801

Core Administration Skills

These courses provide the core skills necessary to install, configure and manage a WebSphere Application Server infrastructure. These courses prepare you for additional advanced administration topics.

Course Title	V7 Course Format/Code	V8 Course Format/Code
WebSphere Application Server Administration on Windows	ILT/WA370 ILO/VA370 SPVC/ZA370	ILT/WA380 ILO/VA380 SPVC/ZA380 (in development)
WebSphere Application Server Administration on Linux	ILT/WA570 ILO/VA570 SPVC/ZA570	ILT/WA580 ILO/VA580 SPVC/ZA580 (in development)
WebSphere Application Server Administration on AIX	ILT/WA170 ILO/VA170	ILT/WA180 (in development) ILO/VA180 (in development)

Problem Determination

This curriculum provides you the skills to effectively troubleshoot and resolve common WebSphere Application Server technical issues, including JVM, database connection and configuration, security and messaging problems.

Course Title	V7 Course Format/Code	V8 Course Format/Code
WebSphere Application Server Problem Determination	ILT/WA572 ILO/VA572 SPVC/ZA572	ILT/WU582 ILO/VU582 SPVC/ZU582 (planned)

Scripting and Automation

This curriculum will develop your skills using Jython to create, test and debug automate scripts for common WebSphere Application Server administrative tasks.

Course Title	V7 Course Format/Code	V8 Course Format/Code
WebSphere Application Server Scripting and Automation	ILT/WA661 ILO/VA661 SPVC/ZA661	ILT/WA680 (planned) SPVC/ZA680 (planned)

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Performance Tuning and Monitoring

After completing these courses, you will understand the tools and metrics to monitor and tune system performance, as well as, understand WebSphere Workload Manager and configure load balancer and caching proxy among other tuning skills.

Course Title	V7 Course Format/Code	V8 Course Format/Code
WebSphere Application Server Performance Tuning	ILT/WA715 ILO/VA715 SPVC/ZA715	ILT/WA815 (planned)
WebSphere Application Server Scalability and High Availability	SPVC/ZA615	

Multi-Node Configuration

This curriculum will prepare you to configure and use the advanced features of WebSphere Application Server V7.0 Network Deployment in a multi-node environment.

Course Title	V7 Course Format/Code	V8 Course Format/Code
WebSphere Application Server Multi-Node Administration	ILT/WA870 ILO/VA870	

Security

This curriculum provides core skills to harden the security of WebSphere Application Server deployments, including administrative, application and Java 2 security, in addition to SSL and federated repository discussions.

Course Title	V7 Course Format/Code	V8 Course Format/Code
WebSphere Application Server Security	ILT/WU611 ILO/VU611	
10 Things You Must Know About WebSphere Application Server Security		Mobile/ZMA01 (planned)
10 Things You Must Know About Using SSL Certificates with WebSphere Application Server		Mobile/ZMA02 (planned)

WebSphere eXtreme Scale

Administration and Development

This set of courses will develop your skill set to install and configure WebSphere Virtual Enterprise and develop your knowledge of the API's to develop for WebSphere eXtreme Scale.

Course Title	Course Format/Code
Developing Applications for IBM WebSphere eXtreme Scale V7.1	ILT/WA974 ILO/VA974 SPVC/ZA974

WebSphere Application Server Development

In addition to the WebSphere Application Server curriculum listed above, WebSphere Education offers a range of courses on Java and SOA technologies that help you quickly develop applications that extend the functionality of your WebSphere Application Server deployment. The application development curriculum includes courses that provide introductory to advanced skills for IBM Rational Application Developer, Java, Web services and Extensible Markup Language (XML). The following courses provide solid entry point for building the skills you need to develop SOA and Web 2.0 applications.

Course Title	Course Format/Code
AJAX and Web 2.0 Application Development	ILT/WD322 ILO/VD322
Mastering Servlet, JSP Development with Rational Application Developer	ILT/RD810
Mastering Web Application Development with Rational Application Developer	ILT/RD815
Developing Web Applications with JSF Using Rational Application Developer V8	ILT/RV085
Developing Web Applications with JSF using Rational Application Developer V7	ILT/RV030
Java SCA Development with Rational Application Developer	ILT/RD250 ILO/YD250

WebSphere Application Server Certification

After completing your WebSphere Application Server training, you may be prepared for the following IBM Professional Certifications, which enable you to validate your skills and showcase your expertise to your clients or employer.

For more information about the WebSphere Application Server Certifications and a complete list of suggested preparation, visit ibm.com/certify.

Certification	Test No.
IBM Certified System Administrator - WebSphere Application Server Network Deployment V8.0	000-317
IBM Certified System Administrator - WebSphere Application Server Network Deployment V7.0	000-377
IBM Certified Solution Developer - Web Services Development for WebSphere Application Server V7	000-371

Who to contact

For more information about IBM WebSphere Education, the WebSphere Application Server courses and delivery options available in your area, contact an IBM WebSphere Education representative at websphere_skills@us.ibm.com or visit WebSphere Education online at ibm.com/websphere/education.

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