



IBM WebSphere 8.5 for Developers

Course ID: ITG-IBM-100

ITG Software Engineering

WebSphere 8.5 for Developers

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Course Overview:

This 5 day course will cover building mission critical enterprise ready solutions and applications. Clients can use these products to build, deploy, and manage dynamic websites and other more complex solutions. This course also covers WebSphere concepts and best practices.

Prerequisites:

Database knowledge, Java or Java EE application development, HTML, SQL, and XML.

Who Should Attend this course?

Those interested in creating WebSphere Commerce applications.

Topics:

<ul style="list-style-type: none">• Application Server Infrastructure	<ul style="list-style-type: none">• WebSphere Concepts
<ul style="list-style-type: none">• Product Integration	<ul style="list-style-type: none">• Liberty Profile
<ul style="list-style-type: none">• Intelligent Management	<ul style="list-style-type: none">• WebSphere Batch
<ul style="list-style-type: none">• Product Installation	<ul style="list-style-type: none">• Performance
<ul style="list-style-type: none">• Development & Deployment	<ul style="list-style-type: none">• System Management
<ul style="list-style-type: none">• Messaging	<ul style="list-style-type: none">• Security
<ul style="list-style-type: none">• Topology	<ul style="list-style-type: none">• Migration
<ul style="list-style-type: none">• Lifecycle	<ul style="list-style-type: none">• IBM Installation Manager
<ul style="list-style-type: none">• Clusters	<ul style="list-style-type: none">• High Availability
<ul style="list-style-type: none">• Migration	<ul style="list-style-type: none">• Sample Topology

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DAY 01 MODULES:

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Module 01: Introduction to WebSphere 8.5

- Infrastructure Overview
- Development standards
- Programming model support
- Web Services & Security

Module 02: WebSphere Application Server Concepts

- Core Concepts
- Containers
- Application Servers
- Clusters & HA

Module 03: Product Integration

- Tivoli
- Web Server MQ
- DB2
- Portal Server

Module 04: Liberty Profile

- Overview
- Installation
- Configuration
- Deployment & Troubleshooting

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DAY 02 MODULES:

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Module 05: Intelligent Management

- Intelligent Management Overview
- Visualization & Cloud Computing
- Dynamic Routing & Workload Management
- Performance Management

Module 06: WebSphere Batch

- Batch Overview
- Batch Programming Models
- Batch Components
- Batch Workflow

Module 07: Infrastructure

- Planning
- Design Considerations
- Sizing
- Monitoring

Module 08: Topologies

- Terminology
- Selection criteria
- Topology Concepts
- Scale & Performance

Module 09: Installation Planning

- Product Installation
- Selecting a topology
- Selecting hardware & Operating systems
- Disk space & Directory planning
- IBM Installation Manager
- WebSphere Planning
- Liberty Planning
- WebSphere Customization Toolbox
- Edge Components
- DMZ Secure Proxy
- HTTP Server & Plug-in
- IBM Support Assistant
- Installation Checklist

Module 10: Performance

- Scalability
- Workload Management
- Caching
- Data Replication Service

Module 11: Development & Deployment

- Development & Deployment Features
- Lifecycle
- Automated Build / Deployment / Functional Tests
- Test Environments & Planning checklist for applications

Module 12: System Management

- System management features
- Administration Security
- Automation & Configuration planning
- Change Management

Module 13: Messaging

- Messaging Overview
- Messaging & Service Integration Features
- Security
- Planning

Module 14: Web Services

- Overview
- Web Services Architecture
- RESTful Web Services
- Planning Checklist for Web Services

Module 15: Security

- WebSphere Security Overview
- Authentication
- Security Trace
- Auditing

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DAY 05 MODULES:

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Module 16: Migration

- Migration Features
- Migration Overview
- Migration Planning
- Infrastructure Migration considerations

Module 17: Sample Topology

- Sample Topology
- Installation
- Deploying Applications
- Configuring Security
- Testing the Topology
- Summary