KOENIG SOLUTIONS · COURSE OUTLINE

Advance Web Methods Integration Server

Learn to design, secure and tune advanced integrations using webMethods Integration Server, from custom adapters to performance optimisation.

5 Days	5	25
40 HOURS	MODULES	TOPICS

COURSE OVERVIEW

The Advanced webMethods Integration Server Training provides an in-depth understanding of the advanced features and capabilities of Software AG's webMethods Integration Server. Participants will gain expertise in designing, developing, and managing complex integrations across diverse systems and applications. The course focuses on advanced topics such as custom adapter development, error handling, transaction management, security, and performance tuning. This course is ideal for integration architects, developers, and system administrators who aim to master the integration server's advanced functionalities for building robust, scalable enterprise integration solutions.

WHO THIS COURSE IS FOR

- **Integration Architects**
- **System Administrators**
- **Application Developers**
- **Middleware Specialists**
- **IT Operations Teams**
- **Integration Consultants**

LEARNING OBJECTIVES

- Describe advanced Integration Server architecture and setup
- Design complex flow services with conditional logic and loops
- Implement exception handling and custom error messages
- Develop custom adapters and connectors for external systems
- Configure SSL/TLS, OAuth and role-based access control
- Apply transaction management using XA resources
- Analyse performance tuning techniques for large-scale integrations
- Plan system monitoring and high-availability strategies

COURSE SYLLABUS

5 Modules, 25 Topics

01

Integration Server Overview and Setup

TOPICS

Recap of Core webMethods Concepts · Advanced Integration Server Architecture · Installation and Configuration Steps · Environment Setup and Deployment Strategies · Managing Packages and Dependencies

02

Advanced Flow Services and Error Handling

TOPICS

Designing Complex Flow Services · Implementing Conditional Logic and Loops · Exception Handling Mechanisms · Creating Custom Error Messages · Debugging Techniques and Error Tracking

03

Custom Adapters and Connectivity

TOPICS

Introduction to Adapter Development · Creating and Managing Java Services · Connecting to Databases and External APIs · Developing Custom Connectors · Lifecycle Management of Adapters

04

Security and Transaction Management

TOPICS

Implementing SSL/TLS Security · Configuring OAuth and API Security · Role-Based Access Control (RBAC) · Managing Transactions with XA Resources · Audit Logging and Security Policies

05

Performance Tuning, Monitoring, and Best Practices

TOPICS

- Resource Optimization and Thread Management
- Cache Management Techniques
- Performance Tuning for Large-Scale Integrations
- System Monitoring and Alert Configuration
- Best Practices for Scalability and High Availability

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training | Live Online Classes (ILO) | Fly-Me-A-Trainer (FMAT) | Flexi (Self-Paced) | 1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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