Advance Web Methods Integration Server

Course Duration 40 hours (5 Days)

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.

Audience:

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

Course Syllabus:

1. Integration Server Overview and Setup

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

2. Advanced Flow Services and Error Handling

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

3. Custom Adapters and Connectivity

- Introduction to Adapter Development
- Creating and Managing Java Services
- Connecting to Databases and External APIs

- Developing Custom Connectors
- Lifecycle Management of Adapters

4. Security and Transaction Management

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

5. Performance Tuning, Monitoring, and Best Practices

- 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