

Course: webMethods Integration Workshop

Description:

This course is meant for someone who is new to webMethods and webMethods Integration Server (IS) development. It introduces the webMethods brand within the Software AG Digital Business Platform. Participants learn through hands-on exercises how to develop/debug and monitor integration solution services using Software AG Designer and My webMethods Server (MWS).

The concept of the data pipeline is introduced and students learn to use mapping tools and flow services to move XML documents and flat-file data into and out of IS. Students are also introduced to messaging, the Integration Server Java API and the web service capabilities of the Integration Server. Students also learn about webMethods adapters.

The adapter for Java DataBase Connectivity (JDBC) is covered in detail. In the last section of this course, students have a chance to use the services they developed within an automated webMethods Business Process Management Suite (BPMS). This gives them a small taste of what's possible using webMethods BPMS. Exercises are designed to prepare students for self-sufficiency.

Audience:

- Developers

Topics:

At the end of this course, you will be able to:

- Describe the architecture and components of the Software AG Digital Business Platform
- Explain the interaction of services and the data pipeline
- Use built-in services and webMethods adapters to perform integration tasks
- Develop custom packages and services to perform business logic
- Create services using the webMethods Flow and Java languages
- Create de-coupled integrations via publish-subscribe messaging
- Send and receive data over the internet
- Orchestrate services using a business process model

Prerequisites:

- Object-oriented development experience strongly recommended but not required
- 1 to 2 years experience in software development, preferably Java
- Solid hands on experience working with the Eclipse IDE
- Familiarity with XML

Duration:

4 days

Content:

- webMethods overview
- Using Software AG Designer
- Introduction to services
- Document types
- Flow services
- Mapping

- Java services
- Monitoring services
- Invoking services and XML processing
- XSLT services
- Flat file handling
- Web services
- REST services
- Messaging using JMS
- webMethods messaging
- Adapter for JDBC
- Overview of Business Process Management (BPM)

