

Course description: IBM Integration Framework Customization

Course code TR640GB **Delivery type** Classroom
(Hands-on labs)

Duration 5.0 days **Course type** Public or Private on-site

This course helps you attain proficiency in customizing the Maximo Integration Framework using Java. Upon course completion, you should have a good understanding of the different options for customizing the Integration Framework and when to apply them.

This course is not part of the formal Tivoli curriculum. The materials are updated frequently and bypass the formal course editing and production processes.

[View this course in other countries](#)

Training Paths that reference this course are:

- Customization Programmer

Audience

This is an advanced course for Maximo Integration Framework Implementation teams, including:

- Application developers
- System integrators
- IBM partners
- IBM Maximo technical consultants

Pre-requisites

- *IBM Integration Framework Configuration (TR281)*
- *IBM Customizing the Business Components (TR271)*
- Experience with complex systems deployment
- Proficiency using Java
- Proficiency using Eclipse
- Understanding of Integration Needs and Fundamentals

You should also complete one of the ISM or Maximo implementation courses such as:

- *CCMDB 7.1 Implementation (TM121)*
- *IBM Tivoli Asset Management for IT 7.1 Implementation (TR580)*
- *IBM Tivoli Service Request Manager 7.1 for Implementers (TR620)*
- *IBM Maximo Asset Management 7.1 Implementation (TR580)*

Objective

- Describe the different customization options available with the Integration Framework
- Configure the Integration Framework to use the Java customization
- Create Java customization for outbound transactions
- User Exits and Processing Classes
- Create Java customization for inbound transactions
- User Exits and Processing Classes
- Setup Eclipse for Java Customization
- Debug Java Customization using Eclipse
- Calling Web Services from Java
- Create new integration objects
- Create new End Point handlers
- Use JDOM to build XML transaction
- Customize the created integration objects using Java
- Configure the Integration Framework to use XSL transformations

Key topics

- Review of the Integration Framework Architecture
- Java Customization
- Java Customization Architecture
- Using StructureData class
- Using Basic Java Utility classes available in the Integration Framework
- Using Eclipse for Java Customization
- Debugging the Java Customization using Eclipse.
- User Exits Java class hierarchy
- External Exits Java class hierarchy
- Creating outbound User Exits and External Exits
- Creating inbound User Exits and External Exits
- Using JDOM to create external XML outbound and inbound
- Using JDBC with the Integration Framework
- Creating End Point Handlers
- Using Invocation Channels
- Web Services
- Creating your own Web Service
- Calling the Web Services from Java.

- Introduction to XSL
- Configuring the Integration Framework to use XSL transformations