

□

## IBM WebSphere Transformation Extender V8.3 Fundamentals Information

**Length:** 3.0 Days  
**Ref:** 6T130G-X  
**Delivery method:** Classroom  
**Price:** EUR

### Overview

This 3-day instructor-led course is the foundation course for the IBM WebSphere Transformation Extender curriculum, and teaches you the fundamentals of WebSphere Transformation Extender V8.3.

IBM WebSphere Transformation Extender provides real-time transformation of complex data, including EDI X12, HIPAA, EDIFACT, and SWIFT. Through a combination of lectures and hands-on lab exercises, you learn how to use the WebSphere Transformation Extender Design Studio to define, transform, and route business objects and complex flat file data. Specific topics covered by the course include an overview of the WebSphere Transformation Extender product and its features, creating and deploying maps, and working with a resource registry. Hands-on exercises gives you practical experience with skills such as optimizing maps, handling and logging errors, defining data, and indexing output.

For information on other related WebSphere courses, visit the WebSphere Education Training Paths Web site:  
<http://www.ibm.com/software/websphere/education/paths/>

### Public

This basic course is designed for programmers and analysts who need to implement data integration and transformation solutions using WebSphere Transformation Extender.

### Prerequisites

You should have :

- a basic understanding of data formats **and** processing logic **and** have hands-on experience with Microsoft Windows.

### Objective

- Define workspaces and projects using the Eclipse Workbench
- Use the Type Designer to define data structures, data properties, and data components as type trees
- Validate type trees to ensure that they accurately describe the data

- Transform flat files using the Map Designer
- Use type design and mapping techniques to improve validation and throughput
- Use the Resource Registry to improve portability between operating environments
- Implement error handling
- Optimize map performance

## Topics

- Course introduction
- WebSphere Transformation Extender product overview
- Eclipse Workbench fundamentals
- Exercise: Defining workspaces and projects
- Defining the data
- Exercise: Defining the data
- Defining properties
- Exercise: Defining item and group properties
- Defining components
- Exercise: Completing the type tree
- Validating data definitions
- Exercise: Creating a validation map
- Building additional validation into type trees
- Exercise: Adding restriction lists and component rules
- Exercise: Validation concept review (optional)
- More about mapping
- Exercise: Indexing an output
- Functional maps
- Exercise: File to file transformation
- More efficient mapping
- Exercise: Extracting data using the EXTRACT function and partitions
- Exercise: Using COUNT and SUM functions
- Exercise: Creating a second output file (optional)
- Error handling
- Exercise: Error handling and logging
- Resource Registry
- Exercise: Using the Resource Registry
- Map optimization
- Exercise: Using the Map Profiler
- Exercise: Configuring card and map settings
- Map deployment
- Course summary

