

B2B Data Transformation (formerly known as Complex Data Transformation) - IVA

Course Description

This three-day, instructor led course introduces the student to Informatica B2B Data Transformation through lecture and hands-on exercises. It is designed for those who want to develop and implement Data Transformations, as well as learn methodologies and best practices for parsing, serialization, and mapping tasks. The course also covers the major functionalities of the PowerCenter Unstructured Data Option. Topics covered include: Interface and Basic Concepts; Parsing Techniques; Serialization; Mapping; Transformers and Actions; Binary Sources and Preprocessors; Visual Debugging; Reusable Components; Specification-Driven-Transformation.

Course Topics

- Basic Concepts
- Definitions
- Perspectives - ContentMaster interface
- Main functionalities: Parser, Serializer & Mapper - Definitions
- XSD (XML Schema)

- **Parsing-By-Example**
 - Basic Anchors
 - Wizard Walkthrough
 - Lab 1 - Basic Anchors
 - Event Viewer
 - Marker & Content searching mechanism
 - Anchors' Properties
 - Group & RepeatingGroup - Usage & Properties
 - Searching Scopes, Phases & Marking Modes

- **Parser & Schema**
 - Creating a New Project
 - Importing Schemas
 - Input Source & XML Target
 - Building/Editing a Schema

- Example XML
- Variables - Temporary Data-Holders
- RepeatingGroup Separator (patterns)
- Parser Execution
- Lab 2 - Delimited File Parsing
- Learning Format - How Does the Engine really work?
- Patterns
- Variables
- Deployment - Moving from Design to Production
- Project Properties & Preferences
- **Transformers & Actions**
 - Data Manipulation Functions
 - Open APIs
 - Lab 3 - Commonly Used Transformers & Actions
- **Serialization**
 - Generating XML Input
 - Generating Automatic Serializer
 - Serializer Properties
 - Serializer Execution
 - Lab 4 - Build a Serializer from Scratch: XML to Delimited file
 - The Big Picture - Transform Any Format to Any Format: Output XML, Delimited, Fixed Length, Binary etc.
- **Binary Files**
 - Document Preprocessors
 - PDF & Excel in focus: Best Practices
 - Lab 5 - Binary Files
- **Mapping**
 - Mapper Capabilities
 - Locators: Simple, ByOccurance, ByKey
 - Lab 6 - XML Mapping
- **Positional Parsing**
 - Fixed Width Records
 - Positional Serializing
 - Lab 7 - Positional Parsing
- **Advanced Anchors**
 - EnclosedGroup
 - DelimitedSections
 - Lab 8 - DelimitedSections
 - EmbeddedParser & Schema Connections
 - Lab 9 - EmbeddedParser
- **Conditions**
 - Alternatives
 - EnsureCondition
 - Lab 10 - Conditions
- **Specification Driven Transformation**
 - Concept
 - Industry Standard Libraries -EDI.X12, SWIFT, HL7, ACORD, COBOL

- Reusable Global Components
- **Integration & APIs**
 - Integration patterns - Using ContentMaster in different environments (according to customer's demand)
 - Lab 11 - Final Exercise: Based on Real-Life Scenarios
 - Focusing on Trainees' Data & Implementation Requirements (Optional)