

## B2B Data Transformation Informatica Training

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### Course Summary

#### Description

This Informatica B2B course is an introduction to Informatica's B2B Data Transformation designed for those who want to develop and implement data transformation services as well as learn best practices for parsing, serializing, and mapping tasks.

#### Objectives

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

- Discuss the key concepts of the B2B Data Transformation
- Utilize parsing techniques
- Move information from an XML structure to an output format
- Perform XML to XML transformation with mappers
- Discuss various preprocessors and their uses
- Describe locators, keys, and indexing and their uses
- Explain concepts of logic implementation via conditions, specification-driven transformation, streamers to process large documents, validators, notification, and failure handling
- Discuss PowerCenter integration via the Data Processor transformation, the usage of Data Transformation services in B2B Data Exchange and the usage of pre-built libraries in Data Transformation

#### Topics

- Introduction to Data Transformation
- Overview of Data Transformation
- XML and XSD Basics
- Basic Parsing
- Parsing
- Transformers and Actions
- Serializers
- Regular Expressions
- Conditions
- Positional Parsing
- Mappers
- Locators, Keys, and Indexing
- Advanced Anchors
- Embedded Parsers
- Streamers
- PowerCenter Integration – UDT
- Data Transformation 10.x Features

#### Audience

This course is designed for:

- Administrators
- Consultants

#### Duration

Four Days

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### Course Outline

- I. **Introduction to Data Transformation**
  - A. Features, supported APIs, and supported data formats
- II. **Overview of Data Transformation**
  - A. Developer/Data Processor components and perspectives
  - B. Architecture and services
- III. **XML and XSD Basics**
  - A. Overview of both XML and XSD
  - B. Compare the XSD and Data Transformation syntax
- IV. **Basic Parsing**
  - A. Parsing by example concept
  - B. Basic anchors in Data Transformation
- V. **Parsing**
  - A. Create a new parser
  - B. Parsing Concepts:
  - C. CustomFormat and delimiters
  - D. Uses of user- and system-defined variables
  - E. Search criteria with scope and phase
  - F. Anchors with a parser
- VI. **Transformers and Actions**
  - A. Default and commonly used transformers
  - B. Actions and transformers
  - C. Commonly used actions
  - D. Data manipulation functions
- VII. **Serializers**
  - A. Create a serializer
  - B. Commonly used, string, and content serializers
  - C. How serializers utilize locator property
- VIII. **Regular Expressions**
  - A. Pattern matching and basic expressions
  - B. Character classes, pattern representation, repeating characters, and line anchors
  - C. Understand OR condition, grouping, and greedy searching
- D. RegularExpression syntax in Data Transformation and also in PDF parsing
- IX. **Conditions**
  - A. Serializers, mappings, and variables
  - B. SetValue and EnsureCondition Actions
- X. **Positional Parsing**
  - A. Positional delimiters component
  - B. Positional serializing
- XI. **Mappers**
  - A. Mappers and locators
  - B. Create a mapper
  - C. Mapper concepts
- XII. **Locators, Keys, and Indexing**
  - A. Composite keys and the restrictions on keys
  - B. Locator and LocatorByKey and their uses in a mapping
  - C. LocatorByOccurrence
  - D. The influence of component source and target properties on the locators
- XIII. **Advanced Anchors**
  - A. Enclosed group and delimited sections
  - B. EmbeddedParser and schema connections
- XIV. **Embedded Parsers**
  - A. Process segments of source with embedded parsers
  - B. EmbeddedParsers and RunParsers
- XV. **Streamers**
  - A. Text and XML streamers
  - B. Processing of large documents
- XVI. **PowerCenter Integration – UDT**
  - A. EDI parsing in PowerCenter
  - B. Input and output hierarchy
  - C. Dynamic service name
- XVII. **Data Transformation 10.x Features**
  - A. XMap
  - B. Data Processor Wizards
  - C. JSON document using the DP Wizard