



Informatica Data Quality for Developers v10.5x

Course ID #: 0835-403-10.1-W

Hours: 21

Days: 3 (4 days if no PowerCenter experience)

Course Content

Course Description:

In this course, you will cover an overview of the Informatica Data Quality Developer tool that includes real-life exercises to enhance their learning of the tool.

IDQ Developer is a thick client tool based on Eclipse. It enables developers to profile data, interact and apply all business rules provided by business analysts. Using the Developer, users implement business rules by creating mappings that include in addition to standard ETL transformations, Data Quality specific transformations such as standardization, matching, address validation, parsing and consolidation. Attendees will learn how to apply various strategies to cleanse and improve data quality.

Collaboration with Analysts via the Repository/Metadata will also be discussed and implemented.

Prerequisites:

None.

Target Audience:

- Developers with no Informatica experience

Topics:

Lesson 1: Data Quality Overview

Lesson 2: Developer Tool: Physical & Logical

Data Objects

- Overview
- Create a Physical Data Object
- Relational
- Customized
- Flat File
- Create a Logical Data Object

Exercise 1: Creating Connections & Import Data source

Lesson 3: Data Profiling with Developer

- Profiling
- Creating Profiling Rules
- Creating and running scorecards

Exercise 2: Column Profiling in Developer

Lesson 4: Developing Data Quality Projects

- Overview
- Objects



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Lesson 5: Working with Mappings

- Mappings
- Sources
- Targets
- Linking and Running

Lesson 6: Working with Transformations

- Transformations
- Ports
- Expressions
- Testing

Lesson 7: Data Integration Transformations - Part 1:

- Expression
- Filter
- Aggregator
- Sorter

Lesson 8: Data Integration Transformations - Part 2:

- Joiner
- Lookup
- Router
- Union

Lesson 9: Working with Mapplets & Rules

- Overview
- Creating
- Mapplet Rules

Lesson 10: Using Reference Data

- Overview
- User Reference Table
- Content sets

Lesson 11: Data Standardization

- Cleanse and standardize the data set using Standardization transformation:
 - Case Converter
 - Merger
 - Labeler
 - Standardizer

Exercise 3: Data Standardization

Lesson 12: Data Parsing

- Parse the data set using one of the following methods:
 - Token Parser
 - Pattern Parser
 - NER/Probabilistic Model
- Decision

Exercise 4: Parsing using Pattern-Based Parsing

Lesson 13: Address Validation

- Overview
- Reference Data
- Work with Address Validation mappings

Lesson 14: Data Matching

- Introducing Matching Concepts
- Data Grouping
- Matching Analysis
- Matching Transformation

Exercise 5: Apply Matching Techniques - Classic Matching



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Lesson 15: Identity Match Option

- IMO vs Classic Matching
- Overview
- IMO configuration

Exercise 6: Apply Matching Techniques - Identity Matching

Lesson 16: Automatic Consolidation

- Consolidation transformation
- Automatically consolidate matched records

Exercise 7: Multi Criteria Matching, Association and Consolidation

Lesson 17: Working with Workflows

- Build a workflow that handle Exception and duplicate records.
- Human Task
- Other Tasks
- Deployment

Exercise 8: Informatica Data Quality Workflow Using Human Task

Lesson 18: Analyst for the Exception records:

- Update and modify the exception/duplicate records through the Analyst tool

Lesson 19: Other Transformations

- Comparison
- Weighted Average

Lesson 20: Power Center Integration

- Exporting to PC
- Importing from PC

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