KOENIG
step forward

KOENIG SOLUTIONS · COURSE OUTLINE

IBM InfoSphere QualityStage Essentials - v11

Learn to build QualityStage jobs that investigate, standardize, match, and survive data into a single master customer record.

8	21
MODULES	TOPICS

COURSE OVERVIEW

This course teaches how to build QualityStage parallel jobs that investigate, standardize, match, and consolidate data records. Students will gain experience by building an application that combines customer data from three source systems into a single master customer record.

WHO THIS COURSE IS FOR

Who Should Attend

- **Data Analysts responsible for data quality using QualityStage**
- **Data Quality Architects**
- **Data Cleansing Developers**

PREREQUISITES

Participants should have:

- Familiarity with the Windows operating system
- Familiarity with a text editor
- Helpful, but not required, would be some understanding of elementary statistics principles such as weighted averages and probability.

LEARNING OBJECTIVES

What You Will Learn

Course Objectives

- List the common data quality contaminants
- Describe each of the following processes: Investigation, Standardization, Match, Survivorship
- Describe QualityStage architecture
- Describe QualityStage clients and their functions
- Import metadata
- Build and run DataStage/QualityStage jobs, review results
- Build Investigate jobs
- Use Character Discrete, Concatenate, and Word Investigations to analyze data fields
- Describe the Standardize stage
- Identify Rule Sets
- Build jobs using the Standardize stage
- Interpret standardization results
- Investigate unhandled data and patterns
- Build a QualityStage job to identify matching records
- Apply multiple Match passes to increase efficiency
- Interpret and improve match results
- Build a QualityStage Survive job that will consolidate matched records into a single master record
- Build a single job to match data using a Two-Source match

COURSE SYLLABUS

8 Modules, 21 Topics

01

Data Quality Issues

TOPICS

Listing the common data quality contaminants · Describing data quality processes

02

QualityStage Overview

TOPICS

- Describing QualityStage architecture
- Describing QualityStage clients and their functions

03

Developing with QualityStage

TOPICS

Importing metadata · Building DataStage/QualityStage Jobs · Running jobs · Reviewing results

04

Investigate

TOPICS

- Building Investigate jobs
- Using Character Discrete, Concatenate, and Word Investigations to analyze data fields
- Reviewing results

05

Standardize

TOPICS

Describing the Standardize stage · Identifying Rule Sets · Building jobs using the Standardize stage · Interpreting standardize results · Investigating unhandled data and patterns

06

Match

TOPICS

- Building a QualityStage job to identify matching records
- Applying multiple Match passes to increase efficiency
- Interpreting and improving Match results

07

Survive

TOPICS

- Building a QualityStage survive job that will consolidate matched records into a single master record

08

Two-Source Match

TOPICS

- Building a QualityStage job to match data using a reference match

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

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