9.2

SAS Data Integration Studio: Fast Track

Duration: 5.0 days

This intensive training course provides accelerated learning for those students who will register sources and targets; create and deploy jobs; work with transformations; set up change management; work with slowly changing dimensions; and the scheduling of jobs. This course is for individuals who are comfortable with learning large amounts of information in a short period of time. The *SAS Data Integration Studio 1: Essentials* and *SAS Data Integration Studio 2: Additional Topics* courses are available to provide the same type of information in a much more detailed approach over a longer period of time.

Learn how to

- register source data and target tables
- create jobs and explore the functionality of the Process Designer
- work with many of the various transformations
- enhance table relationships using integrity constraints, key, and indexes
- work with slowly changing dimensions
- create custom transformation with the Transformation Generation Wizard
- document and deploy jobs
- administer SAS Data Integration Studio
- incorporate data quality techniques (self-study).

Who should attend: Data integration developers

Prerequisites
Experience with SAS programming, SQL processing, and the SAS macro facility is recommended. This experience can be gained by completing the *SAS Programming 1: Essentials*, *SAS SQL 1: Essentials*, and *SAS Macro Language 1: Essentials* courses.

Course Contents

Introduction to the platform for SAS Business Analytics and SAS Data Integration Studio

- exploring the platform for SAS Business Analytics
- working with SAS Data Integration Studio
- introduction to change management

Introduction to Course Data and Course Scenario

- explaining the course data
- explaining how to define target data
- introduction to the course scenario

Creating Metadata for Source Data

- setting up the environment
- registering source data

Creating Metadata for Target Tables

- registering target tables
- importing metadata

Creating Metadata for Jobs

- creating jobs
- exploring functionality of Job Editor
- submitting jobs to create target tables
- specify how to document jobs
- recording job performance statistics
- chaining job flows

Working with Transformations

- working with the extract transformation
- working with the data validation transformation
- working with the apply lookup standardization transformation
- working with the sort transformation
- working with the append transformation
- working with an analysis transformation
- working with the transpose transformation
- working with the transformation generator wizard
- working with the user-written code transformation
- working with the loop transformations
- using XML writer and file transfer
- working with new SAS Data Integration Studio transformations
- working with status handling

Defining Table Relationships

- reviewing the data model
- defining integrity constraints
- defining keys and indexes
- exploring various load techniques

Working with Slowly Changing Dimensions

- defining slowly changing dimensions
- working with SCD Type 2 loader transformation
- working with the lookup transformation

Working with Transformations

- working with the transformation generator wizard

Implementing Data Quality Techniques (Self-Study)

- creating and applying match codes
- building and applying standardization schemes
- apply the DataFlux IS Job and DataFlux IS Service transformations

Deployinging Jobs

- specify how to deploy jobs for batch scheduling
- specify how to deploy jobs as stored processes
- specify how to deploy jobs for web services

Maintaining and Administering SAS Data Integration Studio

- establishing project repositories for change management
- working with impact analysis
- moving metadata
- enabling status handling
- setting up the SAS Data Quality Server software