

Building Data warehouse using SAS Data Integration Studio 9.2

Course Description

This intensive training course provides accelerated learning for those who will use SAS Data Integration processes, including data cleansing and enrichment, ETL processing, and data federation. This course is for individuals who are comfortable with learning large amounts of information in a short period of time. The Using SAS Data Integration Studio to Build Data Marts from Enterprise Data Sources, Using SAS Data Integration Studio to Create Efficient ETL Processes, and Using the SAS Data Quality Solution to Cleanse Your Data courses are available to provide the same type of information in a more detailed approach over a longer period of time.

Learn how to

- create data mart/data warehouse tables necessary for querying and reporting
- deploy jobs for scheduling
- maintain jobs that build tables by tracking efficiencies
- incorporate data quality standards in ETL flows
- perform maintenance of the Quality Knowledge Base
- Where possible, take advantage of the SAS Scalable Performance Data Server.

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

Deploying 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