

[SAS-DIFT49]: SAS Data Integration Studio: Fast Track

Length : 5 Days
Delivery Method : Instructor-led (Classroom)

Course Overview

This course covers the content of both SAS Data Integration Studio: Essentials and SAS Data Integration Studio: Additional Topics. It introduces and expands the knowledge of SAS Data Integration Studio and includes topics for registering sources and targets; creating and working with jobs; and working with transformations. This course also provides information about working with slowly changing dimensions, working with the Loop transformations, and defining new transformations.

Audience Profile

Data integration developers and data integration architects

At Course Completion

- Register source data and target tables.
- Create jobs and explore the functionality of the Job Editor.
- Work with a variety of transformations.
- Work with slowly changing dimensions.
- Work with Loop transformations.
- Create new transformations.
- Examine impact analysis.
- Examine exporting and importing of metadata.
- Establish checkpoints in a job flow.
- Deploy jobs for scheduling.
- Deploy jobs as SAS Stored Processes.

Pre-Requisites

Before attending this course, you should have experience with

- SAS programming basics
- SQL processing
- SAS macro facility

You can gain this experience by completing the SAS Programming 1: Essentials, SAS SQL 1: Essentials, and SAS Macro Language 1: Essentials courses.

This course addresses SAS Data Integration Studio, SAS Data Quality Solution, SAS Analytics Platform software

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Course Outline

Module 1: Introduction

Lessons

- Exploring the platform for SAS Business Analytics.
- Reviewing the course data and course tasks.
- Using SAS Data Integration Studio.
- Exploring change management basics.

Module 2: Creating Metadata for Source Data

Lessons

- Setting up the environment.
- Registering source data metadata.

Module 3: Creating Metadata for Target Data

Lessons

- Registering target data metadata.
- Importing metadata for target data.

Module 4: Creating Metadata for Jobs

Lessons

- Introduction to jobs and the job editor.
- Using the SQL join transformation.

Module 5: Additional Features for Jobs

Lessons

- Importing SAS code.
- Working with propagation and mappings.
- Chaining jobs.
- Investigating performance statistics.

Module 6: Orion Star Case Study

Lessons

- Working with Transformations
- Working with the extract transformation.
- Working with summary statistics transformations.
- Exploring status handling for transformations and jobs.
- Working with the data validation transformation.
- Working with the sort transformation.
- Working with the append transformation.
- Working with the transpose transformation.
- Working with the apply lookup standardization transformation.

Module 7: Working with Loop Transformations

Lessons

- Introduction to Loop transformations.
- Iterating a job with Loop transformations.

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- Iterating a single transformation with Loop transformations.

Module 8: Creating Custom Transformations**Lessons**

- Using the new transformation wizard.

Module 9: Working with the Table Loader Transformation**Lessons**

- Basics of the Table Loader transformation.
- Load styles of the Table Loader transformation.
- Table properties and load techniques of the Table Loader transformation.

Module 10: Working with Databases**Lessons**

- Introduction to in-database processing.
- Using in-database processing.
- Creating an ELT process.

Module 11: Additional Topics for SAS Data Integration Studio Users**Lessons**

- Analyzing metadata using impact analysis.
- Using the Conditional Execution transformation.
- Exporting and importing metadata.
- Creating a version of a metadata object.

Module 12: Deploying Jobs**Lessons**

- Deploying jobs for scheduling.

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