

Using SAS Data Integration Studio to Build Data Marts from Enterprise Data Sources

This course is for data warehouse project leaders, ETL designers, systems experts, and/or data modelers who will be involved in the extraction, transformation, and loading of data into a warehouse. This course requires the SAS Intelligence Platform.

This course can help prepare you for the following certification exam(s): [SAS Warehouse Technology Exam](#), [SAS Warehouse Architect Concepts Exam](#), [SAS Warehouse Development Specialist Exam](#).

Course Description

This course provides an overview of SAS Data Integration Studio, formerly known as SAS ETL Studio. You learn how to navigate through the SAS Data Integration Studio interface and how to extract, transform, and load data using SAS Data Integration Studio. Additional topics include how to use SAS Data Integration Studio plug-ins and data warehouse management such as change management, scheduling, and use of metadata.

Prerequisites

Before attending this course, you should be familiar with

- the SAS programming language
- Structured Query Language (SQL)
- data modeling concepts.

You can obtain the SAS programming knowledge by completing the [SAS Programming I: Essentials](#) course and the SQL knowledge by attending the [SQL Processing with SAS](#) course.

Course Contents

Overview of SAS 9 Enterprise Intelligence Platform and SAS Data Integration Studio

- Business Intelligence overview
- Business Intelligence Information Consumers
- navigating in SAS Data Integration Studio

Working Under Change Management

- what is change management?
- repository types
- using change management

Designing the Course Data Mart

- planning a data warehouse
- course data for the Orion Star company

- Orion Star data models

Building a Data Mart

- review of the case study
- defining the source data
- defining the target tables
- loading the target tables

Building an OLAP Cube

- what is an OLAP cube?
- building an OLAP cube
- viewing an OLAP cube with Microsoft Excel

Creating Reports

- report transformations
- using the Transformation Generator Wizard
- SAS Data Integration Studio and stored processes

Transformations for Slowly Changing Dimensions (Self-Study)

- defining slowly changing dimensions
- using the SCD Type 2 Loader transformation
- using the Fact Table Lookup transformation

Job Scheduling

- scheduling SAS Data Integration Studio jobs

SAS Data Integration Studio and Data Quality

- SAS and Data Quality
- using the Data Validation transformation
- using the Apply Lookup Standardization transformation (self-study)
- using the Create Match Code transformation (self-study)

Administering SAS Data Integration Studio

- setup tasks for SAS Data Integration Studio
- setting up change management
- security planning and implementation (self-study)