

Using SAS ETL Studio to Integrate Your Data

Duration: 3.0 days

This Level III 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 9 Intelligence Platform.

Course Description [\[Click to register ONLINE \]](#)

This course provides an overview of SAS ETL Studio. You learn how to navigate through the SAS ETL Studio interface and how to extract, transform, and load data using SAS ETL Studio. Additional topics include how to use SAS ETL 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 Business Intelligence Platform and SAS ETL Studio

- Business Intelligence overview
- Business Intelligence Information Consumers
- navigating in SAS ETL 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 ETL Studio and stored processes

Transformations for Slowly Changing Dimensions

- defining slowly changing dimensions
- using the SCD Type 2 Loader transformation
- using the Fact Table Lookup transformation
- using the Surrogate Key Generator transformation
- using the Key Effective Date transformation

Job Scheduling

- scheduling SAS ETL Studio jobs

SAS ETL Studio and Data Quality

- SAS and data quality
- using the Apply Lookup Standardization transformation
- using the Create Match Code transformation
- using the Data Validation transformation

Administering SAS ETL Studio

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

Course Materials

Students attend classroom courses in one of our public training centers. You receive a hardcopy of the course notes.