

Duration 2 days

Overview

Do you use SAS Enterprise Guide in your organization? Chances are good that you do, or that you will be soon. As a desktop client interface to SAS, SAS Enterprise Guide is viewed as an IT-friendly way to provide SAS capabilities to a wide variety of users. As a SAS professional, it's time for you to learn how you can best use SAS Enterprise Guide in your environment.

Join **Chris Hemedinger** (Senior Manager for the SAS Enterprise Guide product) on this in-depth tour of SAS Enterprise Guide. This course provides you, an experienced SAS user, with an inside look at how you can use SAS Enterprise Guide to get more work done within SAS, faster. Learn how to run your programs, develop new programs, manage your work in projects, share results with others, and much more. Chris will share some of his favourite tricks for becoming a more productive SAS user by combining the best features of SAS with the development environment of SAS Enterprise Guide.

Learn how to:

- Understand the architecture of SAS Enterprise Guide and client-server computing
- Write, edit, and submit SAS programs in SAS Enterprise Guide
- Customize the environment to best suit the way you work: for programming, for data preparation, and for report building
- Let built-in tasks do the heavy lifting when designing queries and reports
- Save your favourite task settings with task templates
- Use best practices for data access and administration
- Write scripts and schedule your process flows in SAS Enterprise Guide
- Use SAS metadata capabilities to create dynamic reports with stored processes
- Use custom tasks to extend the capabilities of SAS Enterprise Guide

Course Contents

Getting started

- Introducing SAS Enterprise Guide
- Architecture: How SAS Enterprise Guide works with SAS
- Benefits of SAS Enterprise Guide for programmers
- Writing and submitting SAS programs

Diving deeper with programming

- Using the process flow to control how things run
- Customizing your SAS Enterprise Guide environment
- Using editor commands and macros to automate your work
- Adding prompts to your program
- Analyzing your SAS program
- Tidying up your SAS program
- Understanding limitations: which program statements won't work?

Working with data

- Importing Microsoft Excel and text data
- Accessing data from SAS libraries
- Understanding metadata and its role in data access
- Moving data around: upload, download, and export

Creating simple queries

- Using the Filter task
- Using the Query Builder
- Discussion: SQL versus DATA step
- Computing new columns
- Adding prompts to queries
- Recoding column values
- Joining/merging tables
- Considerations for databases

Using built-in tasks

- Generating frequency counts and summary statistics
- Understanding the generated code
- Creating graphs
- Using task filters
- Understanding ODS statistical graphics
- Saving your favourites with task templates
- Extending SAS Enterprise Guide with custom tasks

Building and sharing reports

- Understanding the report formats: HTML, PDF, RTF, and SAS Report
- Combining output using the Report Builder
- Publishing reports to share
- Wrapping your work into a SAS stored process

Automating your work

- Understanding the SAS Enterprise Guide automation model
- Scheduling your projects
- Using your SAS program in a batch environment
- Using command-line shortcuts to get there quicker