

FME Desktop Training - Basic

Overview

Learn from the experts in how to use the essential components and capabilities in FME through this course, which includes extensive hands-on, problem-solving exercises.

Learning Objectives

- Build both simple and complex translations using FME Workbench
- Visualize and inspect data using the FME Data Inspector
- Design and construct workspaces using FME best practices
- Manipulate data geometry and attributes with transformers
- Create low-maintenance, reusable workspaces

Course Outline

Welcome to Safe Software

- Course Overview
- FME Version and Sample Data

Data Translation Basics

- What is FME?
- FME Desktop Components
- Introduction to FME Workbench
- Introduction to Data Inspection
- Reader and Writer Parameters
- Using the FME Data Inspector

Data Transformation

- What is Data Transformation?
- Structural Transformation
- Transformation Using Transformers
- Content Transformation
- Transformers used in Series
- Transformers used in Parallel
- Group-By Processing
- Data Inspection and FME Workbench
- Coordinate System Transformation



Workspace Design

- Workspace Prototyping
- Incremental Design
- Reading and Writing Workflows
- Multiple Readers/Writers
- The FeatureReader and FeatureWriter Transformers
- Integration Transformers
- Workspace Testing Techniques
- Integrated Inspection
- Partial Runs

Practical Transformer Use

- Locating Transformers
- Most Valuable Transformers
- Managing Attributes
- Conditional Filtering
- Data Joins

Best Practice

- What is Best Practice?
- Workspace Style with Bookmarks and Annotation
- Workbench Methodology for Maintenance and Performance
- Debugging with Logs and Feature Counts

Exercises:

- Workspace Creation and Quick Translation
- Data Visualization and Inspection
- Schema Editing and Schema Mapping
- Data Restructuring, Data Transformation and Data Reprojection
- Translation Debugging Techniques
- ...plus many more

