FME Desktop Advanced Training

Overview

Learn from the experts in how to exploit the most commonly used advanced components and capabilities in FME through this course, which includes extensive hands-on, problem-solving exercises.

Learning Objectives

- Construct attributes with the text and arithmetic editors
- Understand when and how to apply conditional attribute values
- Workspace design for clarity and performance
- Analyze and deconstruct an FME log file
- Understand potential methods for improving FME performance
- Make use of user parameters, controlling the input using advanced settings
- Incorporate advanced methods for reading and writing datasets (dynamic workspaces, fanouts, etc.)
- Create, edit and re-use a custom transformer

Course Outline

Welcome to Safe Software

- Course Overview
- FME Version and Sample Data
- Introductions
- Exercise:
    - Review FME Basic Skills

Advanced Attribute Handling

- Constructing Values
- Editor Dialogs
- FME Functions
- Conditional Values
- Multiple Feature Attributes
- Null Attributes
- Exercises:
    - Constructing Attribute Values
    - Conditional Attribute Values
    - Adjacent Feature Attributes
    - Null Attribute Handling

Advanced Workspace Design

- Feature Caching and Partial Runs
- Bookmarks
- Log file Interpretation
- 64-Bit FME
- Performance Tips
- Assessing Performance
- Reader and Writer Optimization
- Transformer Optimization
- Database Optimization
- Server and Cloud Performance
- Parallel Processing
- Batch Processing
- Exercises:
  - Workspace Design and Feature Caching
  - Interpreting an FME Log File
  - Optimizing Workspaces and Raster Processing
  - Database Optimization
  - Parallell Processing

Advanced Readers and Writers

- Zip File Handling
- Web-Based Datasets
- Fanouts
- Generic Reader and Writer
- Dynamic Translations
- Dynamic Schema Handling
- Advanced Dynamic Schemas
- Exercises:
  - Creating Web Connections
  - Generic Writing, Fanout and Zip Files
  - Dynamic Formats
  - Dynamic Schema
  - Table Based Schemas for Dynamic Translations

Advanced Parameter Use

- FME Parameters
- User Parameters
- Parameter Types
- Linking Parameters
- Shared Parameters
- Parameter Settings
- Parameters and Attributes
- Exercises:
    - Create and Use Basic User Parameters
    - Create and Use Complex User Parameters
    - Use FME and System Parameters

Custom Transformers

- Creating Custom Transformers
- Input and Output Ports
- Schema Handling
- Custom Transformer Types
- Creating Linked Transformers
- Switching Transformer Types
- Custom Transformer Versioning
- Parallel Processing
- Looping
- Exercises:
    - Basic Custom Transformer Creation
    - Re-use and Editing Custom Transformers
    - Published Parameters with Custom Transformers
    - Custom Transformer Modes
    - Custom Transformers and Parallel Processing
    - Looping Inside Custom Transformers

Learn More

Visit *www.safe.com/training* to locate and register for an upcoming training class in your region.

For questions or to inquire about a private onsite class, please contact us at 604-501-9985, extension 287 or e-mail *training@safe.com*.