

Hands-On GML with GO Publisher Training Course



Introduction

This 3 day hands-on course is designed for GIS professionals and software engineers who wish to extend their knowledge of GML Application Schema design and GML data creation with GO Publisher. On completion of the course, attendees will have gained comprehensive knowledge of:

- GML Resources & GML Schemas
- Model Driven Architecture and UML
- Geometry
- Extending Existing Schemas
- Tagged Values, Complex Properties
- Feature Relationships, Measures
- GML Simple Features Profile
- GO Publisher Deployment
- GO Publisher Schema Translations

Prerequisites

Ideally attendees should attend Snowflake's GML Fundamentals course prior to attending this course. Should this not be the case, attendees should be familiar with the concepts of XML / XML Schema and have a basic understanding of GML.

Course Methods and Materials

The course will be delivered by PowerPoint presentation and supported hands-on workshops. There will be plenty of opportunity for questions and answers. Materials include hardcopies of course slides and notes, and workshop material.

Workshop Content

Workshops run throughout this 3 day course and use a variety of tools including: XML editors, UML diagramming tools, Shape Change, and GO Publisher Desktop and WFS.

Costs

Cost per delegate for this 3 day course is £990 / €1350 (excl VAT). This includes all materials, lunch and refreshments.

Further Information

For further information, please email: training@snowflakesoftware.com or call us on +44 (0) 23 80 238232.

Course Content

Where do I find things?

- The GML Specification
- Profiles
- OGC Schemas
- Tools and Resources

Model Driven Architecture and UML

- Model Driven Architecture
- UML Packages
- UML Class Diagrams, Stereotypes & Tagged Values

Geometry

- Basic Geometries
- Primitive Geometries
- Complex Geometries
- Aggregate Geometries

Extending Existing Schemas

- Dividing schemas between files
- Dividing schemas between Namespaces

Complex Properties

- DataType & ObjectType
- UML Association
- Feature Relationships

Measures

- Units of Measure
- Dictionaries

GO Publisher deployment

- Using GO Publisher Desktop in development
- Deploying GO Publisher WFS

GML Simple Features Profile

- Feature Type encoding
- Property Encodings
- Conformance Levels
- Geometry Restrictions

GO Publisher translation techniques

- Grouping columns to create XML trees
- Using table joins for child nodes
- Fan-out with SQL filters
- Fan-in with multiple tables
- Building up GML geometries from database structures
- Advanced translations using scripting

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