

XML Primer Training Course



Introduction

This 1 day course is designed for IT/GIS professionals, software engineers and data modellers who wish to understand XML and its core technologies. On completion of the course, attendees will have gained broad background knowledge of:

- XML
- XML Schema
- Namespaces
- XPath
- XLink & XPointer
- XSLT
- Programming with XML

Prerequisites

An IT background is preferable although prior knowledge of XML or XML Schema is not a prerequisite of attendance.

Course Methods and Materials

The course will be delivered by PowerPoint presentation. There will be plenty of opportunity for questions and answers.

Materials include hardcopies of course slides and notes, Internet link and useful XML references will all be provided

Costs

Cost per delegate for this 1 day course is £390 (excl VAT). This cost 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

XML (with Demonstration)

- What is XML, HTML, SGML, XHTML?
- Basic Syntax using Elements & Attributes
- Viewing and editing XML
- W3C Standards Resources

XML Schema (with Demonstration)

- What are XML Schemas & DTDs?
- Defining Elements & Attributes
- Using Simple & Complex Types
- Referencing schemas
- Validating using XML Schema

Namespaces

- What are Namespaces?
- Using the xmlns attribute
- Default Namespaces
- The targetNamespace attribute
- Namespaces in real use

XPath

- What is Xpath, why use XPath?
- XML Nodes & Relationships
- XPath Expressions, Operators & Functions

XLink & XPointer

- Referencing using XLink
- Referencing using XPointer

XSLT (with Demonstration)

- What is XSL & XSLT?
- XSLT Templates & Syntax
- XSLT in Web Browsers
- XSLT for Presentation & Transformation

Programming with XML

- Dynamic & Static Binding
- DOM & SAX

Combined Training Course

This course can be taken as a precursor to the Introduction to GML and the Hands-On GML Course offered by Snowflake Software. Combined, the modules provide a comprehensive education into XML / GML and practical applied experience in application schema.

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