



Telephone: +44 (0) 117 230 2962

To book or enquire about this course, contact Nick on **+44 (0)117 230 2962**

Transforming XML using XSLT 1.0 and 2.0

eXtensible Stylesheet Language for Transformations is a core XML technology for both presentation and middleware layers of enterprise applications. This training course teaches students to write their own XSLT files to transform XML into HTML, XHTML, or some other form of XML. This training course covers material required for the IBM Certified XML Developer qualification. The course covers the latest technology used in XSLT, that is XSLT 2.0 and XPath 2.0.

Duration: 2 days

Layout

The training course combines lectures with practical exercises that help the delegates to put what they have learned on the training course into practice. The exercises specifically build on what has been recently taught and are built up as the training course progresses.

Who is it for?

This training course is aimed at developers who need to be able to create XSLT 1.0 and 2.0 files to transform XML into other formats.

Prerequisites

- Delegates must be familiar with XML. XML experience can come from the 'XML Overview' training course. It is also helpful if delegates have programming experience in some programming or scripting language.

Objectives

At the end of this course, students should be able to:

- Understand the XSLT mechanism
- Write XSLT Templates
- Understand the role of the pre-defined templates
- Write XPath 1.0 and 2.0 expressions for use in XSLT
- Use XPath 1.0 and 2.0 functions
- Define parameterised stylesheets
- Use variables in XSLT

- Use the XSLT flow control elements
- Create XML output from XSLT
- Use regular expressions from XSLT
- Work with XSLT groups
- Understand and work with sequences
- Working with XML Schema
- Working with multiple result documents
- Defining custom XSLT functions

Training Course Contents

Introduction to XSLT

- Uses of XSLT
- XSLT transformation mechanism
- XSLT Templates

XPath

- Accessing elements
- Accessing attributes
- XPath axes
- XPath predicates

XPath Functions

- Number functions
- Formatting functions
- Text functions
- Working with Regular Expressions

More on Templates

- Named templates
- Priority values
- Passing parameters
- Default templates
- Defining custom XSLT functions

XSLT Flow Control

- The for-each construct
- Using groups and for-each-group
- The if construct
- The choose, when, otherwise construct

Creating XML Output

- The element tag
- The attribute tag
- The copy tag
- The copy-of tag
- Multiple output documents

- Controlling the output

Combining Stylesheets

- Importing stylesheets
- Including stylesheets
- Using apply-imports

Advanced XSLT Features

- Using keys
- Adding functions
- Passing variables from processors
- The fallback element

Conygre do a range of additional courses that may be suitable for your needs. Visit <http://www.conygre.com> to find out more. Conygre also customize their courses for almost every client, so if this is not exactly what you want, then give Nick a call on 0117 230 2962.

Copyright 2010 Conygre IT Limited