

XML XSL Transformations Level 1

1 day course

Overview

This course introduces the XSLT language (eXtensible Stylesheet Language Transformations). The XSLT specification is maintained by the W3C (World Wide Web Consortium) and is a core part of the growing family of XML technologies. A related XML technology is the XPath language, which is required for using XSLT stylesheets. Students in this course will therefore learn the basic elements of the XSLT language, as well as the syntax of XPath. The numerous built-in XPath functions are also covered thoroughly. Using XSLT and XPath, students will transform XML documents into other XML documents, and into HTML for display in a browser. The MSXML parser is used in conjunction with the Internet Explorer browser for data examples.

Prerequisites

This course was designed for the student who is familiar with the general concepts involved in XML. Students should have a solid grounding in HTML. Some knowledge of basic programming concepts and/or experience with Web scripting (VBScript or JavaScript) would be helpful. Prior to taking this course, students should take the following Systematix courses or have equivalent knowledge HTML 4 Web Authoring Level 1, HTML 4 Web Authoring Level 2, Cascading Style Sheets , XML Introduction , Introduction to Programming

Benefits

Students will learn the basics of the XSLT and XPath languages. This includes how to work with XSLT templates, various XSLT elements including conditional elements, recursive techniques, XPath pattern matching, XPath filters, and the numerous built-in XPath functions. Target Student

Course Content:

Introduction to XML Output

- What is a Stylesheet?

Basic XSLT Templates

- XSLT Basics
- Using HTML with XSLT
- Output Other Than HTML

Basic XSLT Templates, Part 2

- The Nature of XSLT Templates
- Elements, Attributes, Comments, and Text

XSLT Conditional Elements

- If/Then Conditionals
- Testing Multiple Conditions
- Using as a Conditional

XPath Node-Set and Boolean Functions

- XPath Node-Set Functions
- XPath Boolean Functions

XPath String and Number Functions

- XPath String Functions
-