

Price: R4,500.00 excl. VAT
Duration: 2 days
Code: XSLTW

XSLT Transformations

Description

XSLT (eXtensible Style Language - Transformations) is the W3C standard for transforming an XML document into HTML, text or another XML structure. This workshop will introduce you to the fundamentals of XPath and XSLT. You will learn how to traverse the XML document, select XML nodes using patterns, and write template rules using XSL syntax.

Objectives

After you have completed the XSLT Transformation workshop, you will be able to:

- Understand how XSLT can be used to transform XML documents.
- Traverse the XML structure using XPath.
- Write XSLT stylesheets that transform XML into HTML.
- Write XSLT stylesheets that transform XML into text.

Intended Audience

You should attend the XSLT Transformations workshop if:

- You need to understand or maintain existing XSL stylesheets.
- You need to manipulate XML data to match different structures.
- You want to transform XML to HTML.

Prerequisites

This workshop is for delegates who have already completed our XML and Schemas Workshop. Before you attend this workshop:

- You must be able to write valid XML.
- You must be familiar with XML Namespaces.
- You must be able to code basic HTML. If you have no HTML experience, please attend our HTML and CSS course.

Course Contents

Introduction

- Review of well-formed XML.
- Review of namespaces.
- Components of XSL.
- Versions of XSLT.
- XSLT tools.

The XSLT Stylesheet

- The concept of transformation.
- Linking to the stylesheet.
- Stylesheet components.
- The process of transformation.

XPath and XSL Patterns

- The node tree.
- Types of nodes.

- Location paths.

Template Rules

- The default template.
- Creating a template rule.
- Applying a template rule.
- Named templates.
- Template conflict resolution.

XSLT Instructions

- Generating elements and attributes.
- Copying nodes.
- Conditional processing.
- Iterative processing.
- Sorting and numbering.
- XSLT variables and parameters.
- Attribute value templates.

Expressions and Functions

- XSLT types.
- XPath operators and expressions.
- Functions.

*** The lecturer reserves the right to modify the contents of the course to suit the needs of the delegates.*