

XML Development: Management Overview for IT Professionals

A One Day Training Course

Course Aims:

This "starting point" course is a lecture-based overview for analysts or managers who need to understand the fundamentals of XML and its related technologies in order to develop (or manage the development of) applications for the Windows platform (browser or non-browser).

It provides a contextual overview of the XML development environment by creating a clear understanding of:

Course Outline:

- The XML Format - Elements and Attributes.
- Well-Formedness and Validity in Relation to XML.
- XML Data Interchange and Interoperability.
- The Role of Namespaces.
- The Use of DTDs with XML Documents.
- What Entities are and How to Create them.
- The Limitations of DTDs.
- The Use of Schema (with Particular Emphasis on Data Typing).
- The Use of Some Key XML Applications: XHTML, XSLT, Schema, SOAP.
- Where CSS Fits in.
- What Part Parser/Processors Play.
- Server-Side and Client-Side Parsing/Processing Issues.
- Some W3C and Microsoft Issues for the Real World.
- The Importance of Microsoft Core Services (MSXML 4.0).
- How to Create Instances of MSXML 4.0 in Applications.
- How XPath Expressions are Used to Access XML Data.
- XSLT as a Standard Method of Transforming XML Documents (XML to XML, XML to HTML).
- The DOM as W3C's Recommended API to XML.
- The Use of Simple API for XML (SAX) Separate to, or Alongside DOM.
- Reviewing the Role of XML in Some Current Key XML Applications: XSLT, XHTML, Schema, SOAP

Target Audience:

While coverage of all topics is thorough, no practical work is involved.

After the course, attendees should have a good understanding of the use of XML documents which use DTDs and incorporate XML Namespaces and the roles played by Schema, XPath, XSLT, DOM, SAX and MSXML 4.0.

Assumed Knowledge:

HTML or XML experience is assumed (see: [HTML / XHTML Development](#) and [XML Development: A Foundation Course](#))