



Principles of XML for Managers

Overview

This course provides attendees with an understanding of W3C Extensible Markup Language (XML) and key related standards, such as W3C Schema and W3C Namespaces for XML. This is an entry-level course which provides practical examples and exercises showing how these components interact with each other. Concepts are reinforced with hands-on examples.

Designed to give attendees a good conceptual understanding of core XML ideas such as markup, structure, validation and transformation, the course also touches on XML system design and XML governance.

Objectives

On completion of this course, attendees will be able to:

- Understand the concepts of XML and related standards;
- Appreciate the role XML can play in modern computing architectures;
- Use Railway Diagrams to analyse and document the structure of an XML document;
- Understand the aspects of good design in XML-related software development.

Who should attend?

For those with little or no exposure to XML, this course is aimed at providing attendees with a solid overview of its objectives, applications and challenges.

Prerequisites

There are no prerequisites for this course.

Course tool: Topologi Markup Editor

Course duration: half day

Cost: \$500 + GST

Topics include:

Introduction to XML:

- Overview of XML and related standards
- History and basic concepts
- How XML is being applied
- Industry vocabularies

XML Architectures:

- Transformation (XSLT)
- XML and relational databases
- XML and the file system
- Formatting
- Leveraging Markup

XML Formatting:

- Railway diagrams
- Element vs. Attributes
- Schema languages
- Namespaces
- Validation

XML Governance:

- Governance and Maturity overview
- Quality factors
- Matching schema with requirements
- Right-sizing data
- Measuring for quality
- Lifecycle management