

XML: An Introduction (Fourth Edition)

Course length: 1 days

Course Description

Welcome to XML: An Introduction (Fourth Edition). With your HTML knowledge, you have a solid foundation for working with markup languages. However, unlike HTML, XML is more flexible, allowing you to create custom tags to store and share data across different systems. This course introduces the fundamentals of XML and its related technologies so that you can create your own markup documents.

Course Objective: You will create markup documents using XML and its related technologies.

Target Student: Web developers using non-XML tools such as Flash, HTML, ColdFusion, and Java, who now want to incorporate XML technology. Desktop publishers wanting to migrate to an XML-based publishing solution. Self-taught XML developers who want to use XML efficiently.

Prerequisites: We recommend you to take either of the following Element K courses or have equivalent knowledge: Microsoft® Windows Vista™: Level 1 or Windows XP Professional: Level 1. Helpful but not required: Experience with a markup language such as HTML or SGML (Web Design with XHTML, HTML and CSS: Level 1).

Delivery Method: Instructor led, group-paced, classroom-delivery learning model with structured hands-on activities.

Performance-Based Objectives

Upon successful completion of this course, students will be able to:

- create a basic XML document.
- validate an XML document.
- format and transform XML documents.
- link XML documents.
- access XML documents.

Course Content

Lesson 1: Creating an XML Document

Topic 1A: Introduction to XML

Topic 1B: Create XML Elements

Topic 1C: Create Additional XML Components

Topic 1D: Implement Namespaces

Topic 1E: Implement XInclude

Lesson 2: Validating an XML Document

Topic 2A: Create a DTD

Topic 2B: Validate XML with a DTD

Topic 2C: Create a Schema

Topic 2D: Validate XML with a Schema

Lesson 3: Formatting and Transforming XML Documents

Topic 3A: Display an XML Document Using Cascading Style Sheets (CSS)

Topic 3B: Transform XML to XML



Topic 3C: Transform XML into HTML
Topic 3D: Create an XSL-FO Document
Topic 3E: Display XML Data Using XSL-FO

Lesson 4: Linking XML Documents

Topic 4A: Link to an External Document
Topic 4B: Link to External Sources Using the HTML Namespace

Lesson 5: Accessing XML Documents

Topic 5A: Access an XML Document Using XQuery
Topic 5B: Access an XML Document Using DOM
Topic 5C: Access an XML Document Using SAX

