



XML Fundamentals

Length: Two days

Level: Beginner

DESCRIPTION

The course is an exhaustive introduction to the world of XML and related technologies. The students will learn the purpose, advantages, and syntax of XML. By the end of the course, they will be able to create and work with XML documents and grammars that are based on a systematic approach so that they are validatable, interoperable, and maintainable. In-class quizzes and self-paced exercises interspersed throughout the course will help the participants meet these objectives.

OBJECTIVES

Upon completion of the course, participants will be able to:

- Realize the difference between non-structured and structured data.
 - Discuss characteristics of XML that make it suitable for data interchange and representation.
 - Demonstrate a detailed knowledge of XML syntax and semantics.
 - Apply tools and techniques to author complex XML documents.
 - Read, understand, and use existing XML grammars (DTD and schemas).
 - Apply tools and techniques to verify complex XML documents against XML grammars.
 - Identify the domains to which XML can be successfully applied.
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TOPICS

- XML in context
 - Motivation
 - Definition
 - XML in perspective
 - Leverage
 - Documents
 - Quality
 - XML, characters, and character sets
 - Syntax
 - Entities
 - Identification
 - XML namespaces
 - Conformance
 - XML Document Type Definitions (DTD)
 - XML Schema Definition Language (XSDL)
 - Authoring
 - Vocabularies
 - Applications
 - XML community
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AUDIENCE

- Software Analysts
 - Business Analysts
 - Application Specialists
 - Software Developers
 - Technical Writers
 - Project Managers
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PREREQUISITES

- Familiarity with some data format (RTF, Word, other)
- Familiarity with HTML (preferable but not required)