XML Executive Overview

Course Summary

Description

This course will provide insight into the capabilities and advantages of XML and review an XML case study. In addition, it will examine the major components of an XML based system, recent initiatives and the steps necessary to implement XML into new or existing systems.

Objectives

At the completion of this course, the student will understand:

- The applicability of XML
- The functionality of XML components
- The steps and effort required to implement an XML system.

Topics

- What is XML
- Advantages of XML
- Uses of XML
- XML case study
- Flow and components of XML based systems
- Well-formed XML documents
- The functions of DTDs and Schemas
- XML Parsers
- The Translator
- XML namespaces
- Recent developments in XML
- Implementing XML into existing or new systems

Audience

This course is designed for IT Managers, Systems Designers, and decision makers.

Prerequisites

Attendees of this course should be familiar with the elements and functions of Information Technology.

Duration

One half day
XML Overview for Managers

Course Outline

I. **Introduction**
   A. What is XML
   B. History of XML
   C. Benefits of XML
   D. XML for data exchange
   E. XML for searching/harvesting data
   F. XML for displaying data

II. **Case Study**
   A. The company
   B. The problem
   C. The solution

III. **Major components of XML**
   A. XML based systems
   B. Well formed and valid XML documents
   C. Document type Declarations (DTDs) and Schemas
   D. Parsers
   E. Browser support for XML
   F. The Translator
   G. XML Namespaces

IV. **Recent XML initiatives**
   A. XML vocabularies
   B. Single Object Access Protocol (SOAP)
   C. Universal Description, Discovery, and Integration (UDDI)

V. **Implementing XML**
   A. Difficulty in implementing XML
   B. Steps in implementing XML
   C. How XML fits with IT and the Enterprise
   D. Content documents
   E. Business documents
   F. Exchange documents
   G. Cost of implementing XML