Advanced XML / XSLT (TT4320)

Modality: Virtual Classroom

Duration: 2 Days

About this Course:

This advanced-level 2 Days Training Program is specifically designed for IT Professionals striving to learn the fundamentals of XML and XSLT. This course provides a comprehensive overview of both basic and advanced web services security concepts and helps professionals build familiarity with the core features and functionalities of XML, XSLT, and XPath. The primary objective of this course is to help professionals master the concepts of Digital Signature, XML Encryption, XSLT Table of Content Generation, XSLT Advanced Constructs, XML Scheme Design & Implementation, Namespaces, XML Interoperability, and many more.

XML is one of the leading Meta-Languages and XSLT is designed with the purpose of Document Transformation from XML to any other data formats including HTML, PDF, and Text Files.

Course Objectives:

The core objective of this course is to help professionals develop a better understanding and sound knowledge of the following key concepts:

- Fundamentals of XML Schema and its Development & Implementation
- Advanced XSLT Construct Implementation
- Understanding Named Templates & Parameters
- XSLT Constructs Application including Keys, Copy, and Messages
- XSL Transformations and XSLT & XPath Overview
- XSL Dynamic and Linked Table of Content Development
- XML Encryption and Digital Signature Applications
- XML-Based Services Protection Against Malicious Attacks
- Web Service Security Mechanism and Issues Resolution
- XML Interoperability and Performance
- Advanced Schema Structures and XML Mechanics

Audience:

This course is specifically tailored for professionals striving to develop conceptual knowledge of advanced-level XML, XSLT, XML Schema, and XPath Concepts. This course is also highly beneficial for candidates interested in learning advanced web service security concepts.

Prerequisites:

Professionals planning to enroll in the Advanced XML / XSLT (TT4320) course must comply with the following prerequisites:

- Fundamental Knowledge of the Core Concepts of XML Basics
- Practical Experience of Working with XML and XSLT
- Familiarity with the Meta-Language Fundamentals

Course Outline:

Module 1: XML Content

- XML Mechanics

Module 2: XML Structure

- Namespaces
- Advanced Schema Structures
- Processing XML

Module 3: XML Formatting

- XSL Transformations
- XSLT and XPath

Module 4: Advanced XML Topics

- XSL Formating Objects (FOs)
- Advanced XSL Topics
- XML Performance and Interoperability
- XPath 2.0 and XSLT 2.0 OverviewWeb Services

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