



XML & Java API for XML Processing Course Syllabus

Course Description:

This course fully covers how to use the APIs, tools, and tricks of XML. XML is essentially important as it is considered as a new approach to managing information that touches everything from configuration files to web sites.

Prerequisite Course(s):

- Java Programming
- Advanced Java Programming

Learning Objectives:

- To familiarize the trainees with basic XML terms and concepts, including XPath, XSL, DTDs, and XML Schema.
- To arm the trainees with the necessary skills to work with XML from within Java applications using special Java XML processing libraries.
- To provide the trainees with technical coverage of Java API for XML Processing such as SAX, DOM, TrAX.
- To familiarize the trainees with Streaming API for XML (StAX).

Course Outline:

- Introduction to XML.
- XML Syntax.
- XML Document Type Definition (DTD).
- Document Object Model (DOM).
- Simple API for XML (SAX).
- XML Schema.
- Java API for XML Binding (JAXB).
- XPATH.
- Extensible Style Sheet Language Transformations (XSLT).
- Transformation API for XML (TrAX).
- Streaming API for XML (StAX).