

XML Introduction

Audience Course XML Introduction

The course [XML Introduction](#) is targeted at project managers, system analysts, application developers and system administrators who want to learn the basic concepts of XML and the usages areas of XML.

Prerequisites Course XML Introduction

To participate in this course basic knowledge of Internet and HTML is required.

Realization Training XML Introduction

The theory is treated on the basis of presentation slides. The theory is accompanied by demos from practice. After discussion of a module, there is the opportunity for practice. The course times are from 9.30 up and to 16.30.

Certification XML Introduction

Participants receive an official certificate XML Introduction after successful completion of the course

Duration: 1 day

Price: € 799

[Open Schedule](#)



```
<?xml version="1.0"?>
<courses>
  <course duration="1" id="a1">
    <code>XML100</code>
    <title>XML Overview</title>
    <price currency="Euro">450</price>
  </course>
  <course duration="3" id="a3">
    <code>XML200</code>
    <title>XSLT Stylesheets</title>
    <price currency="Dollar">995</price>
  </course>
</courses>
```

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</courses>
```



Content XML Introduction

In the course XML Introduction participants will gain a thorough understanding of the concepts of XML and the applications of the meta language XML.

XML Intro

XML is a language for describing structured documents and data and provides the technological basis for data sharing, publishing and e-business.

XML Syntax

Attention is paid to the syntax of XML documents and the difference between well-formed and valid XML documents.

XML Validation

The Role of Document Type Definitions (DTDs) and XML Schemas (XSD files) is discussed and several XML-derived languages, XML vocabularies, are discussed.

XML Styling and Transformation

Further the possibilities for presenting XML documents are treated where the focus is on the use of eXtended Stylesheet and Transformation Language (XSLT).

XML Applications

Finally various applications of XML in practice are discussed, including Data Exchange, Publishing and Electronic Commerce. Possible follow-up courses are [XSLT Stylesheet](#), [XML Schema](#) and [XQuery](#).

Modules XML Introduction

Module 1 : XML Introduction	Module 2 : XML Syntax	Module 3 : XML Validity
What is XML? XML versus HTML Structured Documents Roots of XML XML Standard Markup Languages XML as Meta Language Benefits of XML XML Technologies Applications of XML XML Validation with XML Schema XML Presentation with Stylesheets XML Transport with Web Services	XML Document Structure Node Tree XML Prolog XML Elements XML Attributes Well Formed Documents Valid Documents Processing Instructions Entity References CDATA Sections Character References Comments Namespaces	Document Type Definition DOCTYPE Declaration Internal and External DTD Element Declaration in DTD Attribute Declaration in DTD XML Schema as DTD Successor DTD to XML-Schema Conversion XML-Schema Vocabulary XML Schema Namespace Referencing XML Schema's Simple and Complex Types XML Schema Data Types User Defined Data Types
Module 4 : XML Formatting		
Separate Content and Presentation What is XSL? XSLT Stylesheets How does XSLT work? What is XPath? Stylesheet Blueprint Templates xsl:value-of xsl:for-each xsl:if Using Predicates Applying templates XSLT as Transformation Language		