

-Dokumentation



Zentrum für Informatik ZFI AG

Introduction to XML and the Microsoft .NET Platform (XMLN) - IT Ausbildung nach Mass

<http://www.zfi.ch/XMLN>

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Titel	Introduction to XML and the Microsoft .NET Platform
Untertitel	
Einleitung	<p>This two-day instructor-led course provides a technological overview of the structure and programming techniques of XML. This course discusses the role of XML in the Microsoft .NET vision and the larger world of distributed standards-based computing. After completing this course, students will be able to:</p> <ul style="list-style-type: none"> - Describe how XML and related technologies fit into the .NET Platform. - Create a well-formed XML document. - Use XML schemas to validate an instance document. - Describe how XML Document Object Model (DOM), XML Path Language (XPath), XSL Transformations (XSLT), and XQuery are used to create real-world solutions. - Describe how Office can be used to handle XML. - Describe how SQL Server 2000 uses XML. - Describe how XML standards and the .NET Platform are used to address a range of solution requirements. - Identify the next logical .NET training experience and readily justify the decision to enroll in further .NET training.
Ihr Nutzen	
Voraussetzungen	<p>This course requires that students meet the following prerequisites:</p> <ul style="list-style-type: none"> - Working knowledge of a scripting or programming language - Working knowledge of HTML - Working knowledge of how databases are used in distributed computing environments
Teilnehmerkreis	<p>The audience for this course includes:</p> <ul style="list-style-type: none"> - Microsoft Visual Basic developers with little Web development training or job experience. - Web developers with experience writing scripts by using CGI, Visual Basic Scripting Edition, PERL, Java Script, or some other scripting language. - Web developers with moderate experience developing Web sites by using Microsoft FrontPage or some other Web page development tool and basic HTML knowledge. - Microsoft Office developers. - Microsoft SQL Server 2000 administrators and developers.
Unterlagen	<p>The student kit includes a comprehensive workbook and other necessary materials for this class. This includes the following: Labs, Practices, Demonstrations</p>
Folgekurse	
Inhalt	<p>Module 1: The Microsoft .NET Platform and XMLThe following topics are covered in this module:</p> <ul style="list-style-type: none"> - XML in the .NET Platform - XML as a W3C Standard <p>After completing this module, you will be able to identify where and how XML is used within the .NET distributed computing and Web-based world.</p> <p>Module 2: Basic XMLThe following topics are covered in this module:</p> <ul style="list-style-type: none"> - The Form of XML - Designing an XML Vocabulary - Namespaces

After completing this module, you will be able to, given a set of data requirements based on a real-world application, design an XML document that conforms to the formal rules of XML and satisfies requirements.**Module 3: Validating XML**The following topics are covered in this module:

- Introducing Validation
- Using XSD Schemas

After completing this module, you will be able to, given an instance document of moderate complexity, for example one that represents a purchase order, develop an XML schema to validate it.**Module 4: Technologies for Handling XML Data**The following topics are covered in this module:

- Metadata and XML Processing
- XML Processing Technologies

After completing this module, you will be able to identify situations where you need to use DOM, XPath, XSLT, and XQuery.**Module 5: Creating and Manipulating Trees Using DOM**The following topics are covered in this module:

- How Does DOM Work? Using the DOM
- Using DOM and the .NET Framework XML Classe

After completing this module, you will be able to use DOM and DOM trees and identify the ways that you can and cannot use DOM to manipulate XML documents.**Module 6: Using XPath to Navigate a Tree of Nodes**The following topics are covered in this module:**What is XPath?Using XPathXPath and Other Technologie**

After completing this module, you will be able to use XPath to navigate XML documents and select content in XML documents and identify how it can be used by other XML technologies.**Module 7: Formatting and Transforming: XSL and XSLT**The following topics are covered in this module:

- Defining XSL
- Transforming XML Using XSLT
- XSLT in the Microsoft .NET Framewor

After completing this module, you will be able to use XSLT technologies to control XML presentation and to perform XML transformations.**Module 8: Using XQuery to Link and Query XML Documents**The following topics are covered in this module:

- What is XQuery?
- Using XQuer

After completing this module, you will be able to design basic XQuery expressions and apply them to XML sources.**Module 9: SQL XML**The following topics are covered in this module:

- XML Support in SQL Server 2000
- Using HTTP to Access and Input XML Dat

After completing this module, you will be able to describe how SQL Server 2000 implements XML support through Interface Server Application Programming Interface (ISAPI) and how to use this capability to manipulate SQL Server 2000 data by using XML. Module 10: The Challenge of Designing XML Solutions The following topics are covered in this module:

- Solutions that Use XML
- XML Web Services
- What Is Next

After completing this module, you will be able to review a proposed solution and choose an appropriate mix of XML and related technologies to address design requirements.

Beitrag

Der Teilnehmerbeitrag versteht sich rein netto. Das ZFI ist (gemäss MwSt-Gesetz) nicht Mehrwertsteuerpflichtig und erhebt somit keine MwSt. Bei länger als einen Monat dauernden Lehrgängen ist die Zahlung des Teilnehmerbeitrages in mehreren Raten möglich (pro rata temporis).