

XML Schema Fundamentals

Group Training

Training code	CGAXMLFLCE
Spoken Language	English
Language Materials	English
Dayparts	6
Price	€1.550,00 excl. VAT No extra costs.

What is XML Schema Fundamentals

XML Schema is used to define XML vocabulaires that define the structure, element names and contents of XML documents.

See the below modules for more information:

Module 1 : XML-Schema Intro

- Why XML Schema?
- What is XML Schema?
- Markup Languages
- Well Formed versus Valid
- Document Type Definition (DTD)
- DTD Limitations

Module 2 : XML Schema Basics

- XML Schema Components
- DTD to XML Schema Conversion
- DTD Vocabulary
- XML Schema Vocabulary
- Target Vocabulary
- Referencing XML Schema

Module 3 : XML Schema Models

- Declaration versus Definition
- Global versus Local
- Element Declarations
- Global and Local Declarations
- Referencing Global Declarations
- Anonymous and Named Types

Module 4 : XML Schema Data Types

- XML Schema Data Types
- String Data Types
- Language Data Type
- Name Types
- ID Types
- Qualified Names and URI's

Module 5 : Derived Simple Types

- Creating Simple Types
- Derived Numeric Simple Types
- Simple Types by Restriction
- Available Facets
- Enumerations and Patterns
- Fixing Facet Values

Module 6 : Schema Documentation

- Annotating Schema's
- Annotation Element
- Meta Data
- Allowed Locations
- Annotation Location
- Inlining Annotation

Module 7 : Namespaces

- Namespaces of XML Schema
- XML Schema Namespace
- TargetNamespace
- Referencing XML Schema
- Namespace Scope
- Default Namespace

Module 8 : Complex Types

- Simple Content and Attributes
- Local Attribute Declarations
- use Attribute
- Grouping Attributes
- Grouping Elements
- Global Group Definition

Module 9 : Derived Complex Types

- Derived Complex Types
- Deriving by Extension
- Deriving by Restriction
- Prohibiting Derivations
- Element Substitution
- Substitutable Elements

Module 10 : Schema Modules

- Schema Modularization

- Including Schema Documents
- Using include
- Chameleon Effect
- Namespace Coercion
- Redefining Types

Module 11 : Schema Extensions

- any Element
- Extension Element
- Instance with any
- Namespace Extension Elements
- anyAttribute Element
- Extension Attribute

Module 12 : Uniqueness and Keys

- Uniqueness and Keys
- Unique versus Key
- Key Requirements
- Combination Key
- Unique
- Unique Elements

Who should attend XML Schema Fundamentals

The training XML Schema is designed for developers of XML data structures and XML applications and project managers who want to use XML schemas to validate the contents of XML documents.

Prerequisites

To join this training knowledge of the basic syntax of XML is required.

Objectives

At the end of the training participants will learn,

- What is XML Schema
- XML Schema Models
- Markup Languages
- Document Type Definition
- XML Schema Data Types
- Derived Simple Types
- Schema Documentation
- Complex Types
- Schema Modules and Extensions
- Uniqueness and Keys

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