

# XML/XSD – diagrams and their use

Course code: XMLXSD

The course is intended for all who want to learn about using and creating XSD schemas for XML documents. Importance and use schemes in relation to the development of Web services is constantly growing. On the course you will learn to use ready-made patterns and create their own, including the difficult conditions for verifying the accuracy of the contents of an XML document. During the course, working with a tool Altova XMLSpy, MapForce, and StyleVision.

Affiliate	Duration	Course price	ITB
Praha	2	9 200 Kč	20
Brno	2	9 200 Kč	20
Bratislava	2	400 €	20

The prices are without VAT.

## Course terms

Date	Duration	Course price	Type	Course language	Location
T 27.01.2025	2	9 200 Kč	Telepresence	CZ/SK	GOPAS Praha_GTT
T 27.01.2025	2	400 €	Telepresence	CZ/SK	GOPAS Bratislava_GTT
T 27.01.2025	2	9 200 Kč	Telepresence	CZ/SK	GOPAS Brno_GTT
T 11.06.2025	2	9 200 Kč	Telepresence	CZ/SK	GOPAS Brno_GTT
T 11.06.2025	2	9 200 Kč	Telepresence	CZ/SK	GOPAS Praha_GTT
T 11.06.2025	2	400 €	Telepresence	CZ/SK	GOPAS Bratislava_GTT

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## What we teach you:

- Understand finished XSD
- Create a custom XSD
- Create limitation values for XML data
- Use ready schemes for generating data and conversion between schemas

## Required skills:

- Basic knowledge of XML within the scope of the course INTXML

## Teaching methods:

- Professional explanation with practical samples and examples.

## Teaching materials:

- Powerpoint handouts and module printouts.

## Course syllabus:

History of XML data format description

- DTD
- XDR
- XSD

Basics XSD

- Verification of XML document using XSD
- Create a custom XSD
- Defining basic schemes

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# XML/XSD – diagrams and their use

- Using simple limiting conditions
- Generating XML from XSD

## XML and namespace

- XML namespace
- Namespace declarations and their use
- Rules for namespace

## Complex types in XSD

- What is this complex type
- Creating custom complex types
- Types of restrictions
- Using ready-made type libraries

## Use diagrams

- Validation documents using schemas
- Conversion into a readable form using schemes
- Conversion between schemes
- Code generation for conversion

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