# 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.

# 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
- Using simple limiting conditions
- Generating XML from XSD

# XML and namaspace

- 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

#### GOPAS Praha

Kodaňská 1441/46 101 00 Praha 10 Tel.: +420 234 064 900-3 info@gopas.cz

#### GOPAS Brno

Nové sady 996/25 602 00 Brno Tel.: +420 542 422 111 info@gopas.cz

# GOPAS Bratislava

Dr. Vladimíra Clementisa 10 Bratislava, 821 02 Tel.: +421 248 282 701-2 info@gopas.sk



Copyright © 2020 GOPAS, a.s., All rights reserved