

---

# Course Catalog

# Comelio



# Table Of Contents

<b>a. Locations</b> .....	<b>3</b>
<b>1. Altova</b> .....	<b>4</b>
<b>A. Altova MissionKit</b> .....	<b>4</b>
i. Mapforce.....	<b>4</b>
ii. Stylevision.....	<b>6</b>
iii. XMLSpy.....	<b>8</b>
<b>B. XML</b> .....	<b>10</b>
i. Altova Mapforce.....	<b>10</b>
ii. Altova Stylevision.....	<b>12</b>
iii. Altova XMLSpy.....	<b>14</b>
<b>b. Disclaimer</b> .....	<b>16</b>

## a. Locations



Our trainings take place at various locations in the German-speaking countries.

### Public trainings:

You can enroll for public trainings at our training centers across Germany like in Berlin, Dresden, Hamburg, München / Munich, Düsseldorf, Frankfurt, and Stuttgart. Not all public trainings will be organized in all cities but you can still book a particular training for your team in one of our training and conference centers.

In Austria you can attend seminars and trainings in Wien / Vienna while we offer training dates in Switzerland in Zürich / Zurich.

### On-site trainings:

We have mobile and flexible trainers / lecturers who like to visit you and your team for an on-site training or a training in a conference center or hotel near you.

## USA

Chicago	Tel: Fax:
Miami	Tel: +1.305.395.7962 Fax: +1.305.395.7964
New York	Tel: +1.212.380.1181 Fax: +1.305.395.7964

# 1. Altova

## A. Altova MissionKit



### (i) Mapforce



#### Overview

<b>Course ID</b>	2020988
<b>Language</b>	en
<b>Duration</b>	2 D ys
<b>Delivery mode</b>	Classroom
<b>Course Type</b>	
<b>Target Group</b>	Programmers, Web developers
<b>Prerequisites</b>	XML basics
<b>Method</b>	Lecture with examples and exercises.
<b>Course level</b>	Beginning



#### Course Dates

Chicago	Miami	New York
1,400.00 USD	1,350.00 USD	1,400.00 USD
30-31 Jul 24-25 Sep 19-20 Nov	27-28 Aug 22-23 Oct 17-18 Dec	03-04 Sep 29-30 Oct 24-25 Dec

Prices plus local taxes.



#### Course Description

Altova MapForce is an any-to-any graphical data mapping, conversion, and integration tool that maps data between any combination of XML, database, flat file, EDI, Excel, XBRL, and/or Web service, then transforms data instantly or autogenerates royalty-free data integration code for the execution of recurrent conversions. It provides powerful, visual XML mapping functionality for instantly transforming XML data from one XML format to any another XML format based on XML Schema or namespace aware DTDs, and can even generate an XML mapping component from an XML instance file. It includes the FlexText utility for parsing and converting text files such as mainframe text reports, text-based log files, and other legacy text file types in mapping designs. With its visual interface, FlexText lets you insert an existing text file and extract the portions you want to convert in the MapForce mapping interface. This training shows you in many hands-on labs how to develop mapping solutions for the above-mentioned combinations and to make the most of MapForce.



#### Course Outline

### A. XML Mapping

(0.25 Days) MapForce User Interface - Mapping between Components - Multiple XML Files from Single XML Source File, Excel Rows or per Table - Filtering - Sorting - Loops, Groups and Hierarchies - Code Generator

## **B. Database Mapping**

(0.125 Days) Setting up the XML-To-Database Mapping - Table Preview Customization - Components and Table Relationships - Database Actions: Insert, Update, Delete, Ignore - Generating Database Output Values - Table Actions - SQL WHERE / ORDER Component - SQL SELECT Statements as Virtual Tables - Stored Procedures - Querying Databases Directly - Database Query Tab

## **C. Text Mapping**

(0.25 Days) Mapping CSV and Text Files: Mapping CSV Files to XML / XML to CSV, Creating Hierarchies From CSV and Fixed Length Text Files, CSV File Options, Mapping Fixed Length Text Files (to a Database) - MapForce FlexText: Creating Split Conditions, Defining Multiple Conditions per Container/Fragment, Using FlexText Templates in MapForce, Using FlexText as a Target Component

## **D. Web Services Mapping**

(0.125 Days) Creating Web Service Projects from WSDL Files - Calling Web Services

## **E. General Functions**

(0.25 Days) Global Resources - Dynamic Input/Output Files per Component - Intermediate Variables - User-Defined Functions - Built-In Functions - Using the Command Line - Project Management - Chained Mappings / Pass-Through Components - Sequence of Processing Mapping Components - Merging Multiple Files into One Target - Documenting Mapping Projects



## (ii) Stylevision



### Overview

<b>Course ID</b>	2020985
<b>Language</b>	en
<b>Duration</b>	2 D ys
<b>Delivery mode</b>	Classroom
<b>Course Type</b>	
<b>Target Group</b>	Programmers, Web developers
<b>Prerequisites</b>	XML basics
<b>Method</b>	Lecture with examples and exercises.
<b>Course level</b>	Beginning



### Course Dates

Chicago	Miami	New York
1,400.00 USD	1,350.00 USD	1,400.00 USD
27-28 Aug 22-23 Oct 17-18 Dec	20-21 Aug 29-30 Oct 24-25 Dec	03-04 Sep 05-06 Nov 31 Dec - 01 Jan

Prices plus local taxes.



### Course Description

Altova StyleVision is a WYSIWIG tool for designing documents, reports, and forms based on XML, SQL database, and XBRL inputs. It makes the power of XSLT available in an intuitive and visual design tool, and adds rich content such as charts, making it possible for designers and developers to focus on their target designs (in HTML, PDF, Word/Open XML, and other formats) rather than XSLT details. With StyleVision, a single design can be used to automatically publish in the above-mentioned formats. The same visual design tool also produces Authentic enterprise forms, which empower business users to analyze and update information stored in XML and SQL systems. This training helps you to understand the principles of Stylevision and to design your own documents, forms and reports based on XML and database input.



### Course Outline

#### A. Presentation of XML Data

Creating a New SPS - Dynamic and Static Content - Simple Formatting and Transformations - Creating and Applying Global Templates - Modular stylesheets: Available Module Objects, Creating a Modular Stylesheet

#### B. Advanced Techniques

XPath Overview - Automatic Calculations and Conditions using XPath - Grouping and Sorting - Parameters and variables - Table of Contents - Links and References, Bookmarks - Design Fragments - Multiple Schema Sources

## **C. Font and Paragraph Formatting**

Working with CSS Styles - External Stylesheets - External and Internal CSS styles - Font Styles - Page Layout Properties, Containers, Background - Keeps and Breaks - Paragraph Formatting and Alignment - PDF Bookmarks - Document Sections

## **D. Altova Authentic forms**

Stylesheets for the Authentic View: Overview - Creating Forms Based on XML Schema - Form Objects: Fields, Tables, Lists, and Calendars - Working with Databases: Connecting to a Database, Select the Database Data, XML Databases, DB Filters

## **E. Design Objects**

Inserting XML Content as Text - Sorting and grouping - Using Data Input Elements - Lists and Tables - Graphics - Bookmarks and Hyperlinks - Automatic Calculations - XPath-Conditions

## **F. Charts and Reports**

Chart Basics - Typology of Charts: Pie Charts, Bar Charts, Line Charts, Value Line Charts, Area Charts, Candlestick Charts, Gauge Charts, Overlay Charts - Changing the Appearance of a Chart - Graphics - Tables



## (iii) XMLSpy



### Overview

<b>Course ID</b>	2020300
<b>Language</b>	en
<b>Duration</b>	3 D ys
<b>Delivery mode</b>	Classroom
<b>Course Type</b>	
<b>Target Group</b>	Programmers, Web developers
<b>Prerequisites</b>	XML Fundamentals
<b>Method</b>	Lecture with examples and exercises.
<b>Course level</b>	Beginning



### Course Dates

Chicago	Miami	New York
1,800.00 USD	1,700.00 USD	1,800.00 USD
07-09 Sep 02-04 Nov 28-30 Dec	03-05 Aug 28-30 Sep 23-25 Nov	10-12 Aug 05-07 Oct 30 Nov - 02 Dec

Prices plus local taxes.



### Course Description

Altova XMLSpy is a very advanced XML editor for modeling, editing, transforming, and debugging XML-related technologies. It offers a very complex XML interface, a graphical XML Schema designer, a code generator, file converters, debuggers, full database integration, support for XSLT, XPath, XQuery, WSDL and SOAP. This training walks you through the application while providing you with a fundamental knowledge of various XML technologies.



### Course Outline

#### A. General features of XMLSpy

(0.5 Days) XML Documents - Editing Views - DTDs and XML Schemas - Project Management and Altova Global Resources - Databases and Data Integration - Text Files - File/Directory Comparisons - Templates

#### B. XML Schema-Editor

(0.75 Days) Element Declarations - Attribute Declarations - Complex Type Definitions - Attribute Group Definitions - Model Group Definitions - Simple Type Definitions - Schemas and Namespaces: Access and Composition - Editor: Editing in Text View, Grid View, and Schema View - XML Schema features in XMLSpy

#### C. XPath Editor

(0.25 Days) Path Expressions: Axes, Steps, Node Tests - Predicates and Filters - Function Calls



## **D. Queries using XQuery**

(0.25 Days) FLWOR Expressions: For and Let Clauses, Where Clause, Order By and Return Clauses - Direct Element Constructors - Computed Constructors - Ordered and Unordered Expressions - Comparison Expressions - Conditional Expressions

## **E. Transformations using XSLT**

(0.75 Days) Stylesheet Structure - Template Rules and XPath-Patterns - Named Templates - Repetition - Conditional Processing - Variables and Parameters - Creating Nodes and Sequences - Sorting and Grouping

## **F. Web Services**

(0.25 Days) WSDL documents - PortType - Binding - Service and Ports - Validating the WSDL Document - Connecting to a Web Service and Opening Files - Sending a SOAP Request from the WSDL File - Creating WSDL Documentation - SOAP document structure - SOAP Debugger - SOAP Validation

## **G. Altova Authentic and Altova Stylevision**

(0.25 Days) Opening an XML Document in Authentic View - Authentic View Interface - Entering Data in Authentic View - Tables in Authentic View - Altova Stylevision

## A. XML



### (i) Altova Mapforce



#### Overview

<b>Course ID</b>	2020987
<b>Language</b>	en
<b>Duration</b>	2 D ys
<b>Delivery mode</b>	Classroom
<b>Course Type</b>	
<b>Target Group</b>	Programmers, Web developers
<b>Prerequisites</b>	XML basics
<b>Method</b>	Lecture with examples and exercises.
<b>Course level</b>	Beginning



#### Course Dates

Chicago	Miami	New York
1,400.00 USD	1,350.00 USD	1,400.00 USD
30-31 Jul 24-25 Sep 19-20 Nov	27-28 Aug 22-23 Oct 17-18 Dec	03-04 Sep 29-30 Oct 24-25 Dec

Prices plus local taxes.



#### Course Description

Altova MapForce is an any-to-any graphical data mapping, conversion, and integration tool that maps data between any combination of XML, database, flat file, EDI, Excel, XBRL, and/or Web service, then transforms data instantly or autogenerates royalty-free data integration code for the execution of recurrent conversions. It provides powerful, visual XML mapping functionality for instantly transforming XML data from one XML format to any another XML format based on XML Schema or namespace aware DTDs, and can even generate an XML mapping component from an XML instance file. It includes the FlexText utility for parsing and converting text files such as mainframe text reports, text-based log files, and other legacy text file types in mapping designs. With its visual interface, FlexText lets you insert an existing text file and extract the portions you want to convert in the MapForce mapping interface. This training shows you in many hands-on labs how to develop mapping solutions for the above-mentioned combinations and to make the most of MapForce.



#### Course Outline

### A. XML Mapping

(0.25 Days) MapForce User Interface - Mapping between Components - Multiple XML Files from Single XML Source File, Excel Rows or per Table - Filtering - Sorting - Loops, Groups and Hierarchies - Code Generator

## **B. Database Mapping**

(0.125 Days) Setting up the XML-To-Database Mapping - Table Preview Customization - Components and Table Relationships - Database Actions: Insert, Update, Delete, Ignore - Generating Database Output Values - Table Actions - SQL WHERE / ORDER Component - SQL SELECT Statements as Virtual Tables - Stored Procedures - Querying Databases Directly - Database Query Tab

## **C. Text Mapping**

(0.25 Days) Mapping CSV and Text Files: Mapping CSV Files to XML / XML to CSV, Creating Hierarchies From CSV and Fixed Length Text Files, CSV File Options, Mapping Fixed Length Text Files (to a Database) - MapForce FlexText: Creating Split Conditions, Defining Multiple Conditions per Container/Fragment, Using FlexText Templates in MapForce, Using FlexText as a Target Component

## **D. Web Services Mapping**

(0.125 Days) Creating Web Service Projects from WSDL Files - Calling Web Services

## **E. General Functions**

(0.25 Days) Global Resources - Dynamic Input/Output Files per Component - Intermediate Variables - User-Defined Functions - Built-In Functions - Using the Command Line - Project Management - Chained Mappings / Pass-Through Components - Sequence of Processing Mapping Components - Merging Multiple Files into One Target - Documenting Mapping Projects



## (ii) Altova Stylevision



### Overview

<b>Course ID</b>	2020986
<b>Language</b>	en
<b>Duration</b>	2 D ys
<b>Delivery mode</b>	Classroom
<b>Course Type</b>	
<b>Target Group</b>	Programmers, Web developers
<b>Prerequisites</b>	XML basics
<b>Method</b>	Lecture with examples and exercises.
<b>Course level</b>	Beginning



### Course Dates

Chicago	Miami	New York
1,400.00 USD	1,350.00 USD	1,400.00 USD
03-04 Sep 29-30 Oct 24-25 Dec	10-11 Sep 05-06 Nov 31 Dec - 01 Jan	17-18 Sep 12-13 Nov

Prices plus local taxes.



### Course Description

Altova StyleVision is a WYSIWIG tool for designing documents, reports, and forms based on XML, SQL database, and XBRL inputs. It makes the power of XSLT available in an intuitive and visual design tool, and adds rich content such as charts, making it possible for designers and developers to focus on their target designs (in HTML, PDF, Word/ Open XML, and other formats) rather than XSLT details. With StyleVision, a single design can be used to automatically publish in the above-mentioned formats. The same visual design tool also produces Authentic enterprise forms, which empower business users to analyze and update information stored in XML and SQL systems. This training helps you to understand the principles of Stylevision and to design your own documents, forms and reports based on XML and database input.



### Course Outline

#### A. Presentation of XML Data

Creating a New SPS - Dynamic and Static Content - Simple Formatting and Transformations - Creating and Applying Global Templates - Modular stylesheets: Available Module Objects, Creating a Modular Stylesheet

#### B. Advanced Techniques

XPath Overview - Automatic Calculations and Conditions using XPath - Grouping and Sorting - Parameters and variables - Table of Contents - Links and References, Bookmarks - Design Fragments - Multiple Schema Sources

## **C. Font and Paragraph Formatting**

Working with CSS Styles - External Stylesheets - External and Internal CSS styles - Font Styles - Page Layout Properties, Containers, Background - Keeps and Breaks - Paragraph Formatting and Alignment - PDF Bookmarks - Document Sections

## **D. Altova Authentic forms**

Stylesheets for the Authentic View: Overview - Creating Forms Based on XML Schema - Form Objects: Fields, Tables, Lists, and Calendars - Working with Databases: Connecting to a Database, Select the Database Data, XML Databases, DB Filters

## **E. Design Objects**

Inserting XML Content as Text - Sorting and grouping - Using Data Input Elements - Lists and Tables - Graphics - Bookmarks and Hyperlinks - Automatic Calculations - XPath-Conditions

## **F. Charts and Reports**

Chart Basics - Typology of Charts: Pie Charts, Bar Charts, Line Charts, Value Line Charts, Area Charts, Candlestick Charts, Gauge Charts, Overlay Charts - Changing the Appearance of a Chart - Graphics - Tables



## (iii) Altova XMLSpy



### Overview

<b>Course ID</b>	2020299
<b>Language</b>	en
<b>Duration</b>	3 D ys
<b>Delivery mode</b>	Classroom
<b>Course Type</b>	
<b>Target Group</b>	Programmers, Web developers
<b>Prerequisites</b>	XML Fundamentals
<b>Method</b>	Lecture with examples and exercises.
<b>Course level</b>	Beginning



### Course Dates

Chicago	Miami	New York
1,800.00 USD	1,700.00 USD	1,800.00 USD
07-09 Sep 02-04 Nov 28-30 Dec	03-05 Aug 28-30 Sep 23-25 Nov	10-12 Aug 05-07 Oct 30 Nov - 02 Dec

Prices plus local taxes.



### Course Description

Altova XMLSpy is a very advanced XML editor for modeling, editing, transforming, and debugging XML-related technologies. It offers a very complex XML interface, a graphical XML Schema designer, a code generator, file converters, debuggers, full database integration, support for XSLT, XPath, XQuery, WSDL and SOAP. This training walks you through the application while providing you with a fundamental knowledge of various XML technologies.



### Course Outline

#### A. General features of XMLSpy

(0.5 Days) XML Documents - Editing Views - DTDs and XML Schemas - Project Management and Altova Global Resources - Databases and Data Integration - Text Files - File/Directory Comparisons - Templates

#### B. XML Schema-Editor

(0.75 Days) Element Declarations - Attribute Declarations - Complex Type Definitions - Attribute Group Definitions - Model Group Definitions - Simple Type Definitions - Schemas and Namespaces: Access and Composition - Editor: Editing in Text View, Grid View, and Schema View - XML Schema features in XMLSpy

#### C. XPath Editor

(0.25 Days) Path Expressions: Axes, Steps, Node Tests - Predicates and Filters - Function Calls

## **D. Queries using XQuery**

(0.25 Days) FLWOR Expressions: For and Let Clauses, Where Clause, Order By and Return Clauses - Direct Element Constructors - Computed Constructors - Ordered and Unordered Expressions - Comparison Expressions - Conditional Expressions

## **E. Transformations using XSLT**

(0.75 Days) Stylesheet Structure - Template Rules and XPath-Patterns - Named Templates - Repetition - Conditional Processing - Variables and Parameters - Creating Nodes and Sequences - Sorting and Grouping

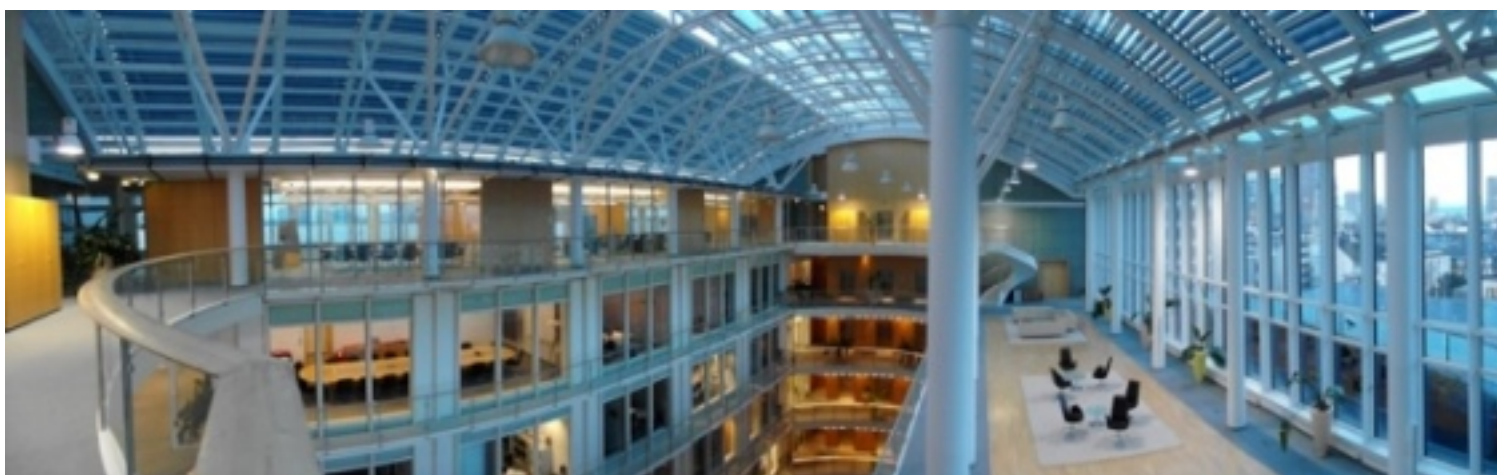
## **F. Web Services**

(0.25 Days) WSDL documents - PortType - Binding - Service and Ports - Validating the WSDL Document - Connecting to a Web Service and Opening Files - Sending a SOAP Request from the WSDL File - Creating WSDL Documentation - SOAP document structure - SOAP Debugger - SOAP Validation

## **G. Altova Authentic and Altova Stylevision**

(0.25 Days) Opening an XML Document in Authentic View - Authentic View Interface - Entering Data in Authentic View - Tables in Authentic View - Altova Stylevision

## b. Disclaimer



Comelio GmbH  
Goethestr. 34  
13086 Berlin  
Germany

- Tel: +49.30.8145622.00
- Fax: +49.30.8145622.10

- [www.comelio.com](http://www.comelio.com) | [.de](http://www.comelio.com.de) | [.at](http://www.comelio.com.at) | [.ch](http://www.comelio.com.ch)
- [www.comelio-seminare.com](http://www.comelio-seminare.com)
- [info@comelio.com](mailto:info@comelio.com)
- <https://www.facebook.com/comeliogroup>
- <https://twitter.com/Comelio>