

## XPath-XLink-XPointer

### Audience Course XPath-XLink-XPointer

The course XPath-XLink-XPointer is intended for anyone who wants to learn how to search XML with XPath and how to make XML connections with XLink and XPointer.

### Prerequisites Course XPath-XLink-XPointer

Basic knowledge of [XML](#) is required to participate in this course.

### Realization Training XPath-XLink-XPointer

The theory is discussed on the basis of presentation slides. The theory is explained further through demos. The theory is interchanged with exercises. Course times are from 9.30am to 16.30pm.

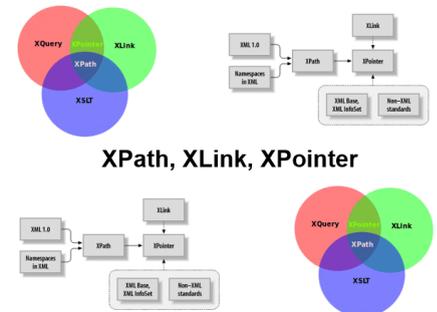
### Certification Course XPath-XLink-XPointer

After successful completion of the course participants receive an official certificate XPath-XLink-XPointer.

Duration: 1 day

Price: € 749

[Open Schedule](#)



## Content Course XPath-XLink-XPointer

In the course XPath-XLink-XPointer the participants learn to apply the XPath, XLink and XPointer specifications to localizing and linking fragments in XML documents.

### XML Overview

The course starts with an overview of the XML document structure and components of XML documents. This focusses on the role of elements, attributes and text. The difference between well-formed and valid documents is also discussed.

### XPath Expressions

Next [XPath](#) is addressed with which nodes in an XML document that meet certain conditions can be selected. The syntax of XPath expressions with predicates, node selection and functions is discussed.

### XPath Axes

And also the various search axes that XPath has are treated.

### XPath Data Types

XPath uses the data types from XML Schema and these are explained as well.

### XLink

Then attention is paid to [XLink](#) with which XML fragments can be linked together. After discussing the limitations of HTML links, the Simple and Extended links in XLink are treated. Also Link Behavior and the Semantic and Traversal attributes of links are discussed.

### XPointer

Finally [XPointer](#) is on the course schedule with which the internals of XML documents can be addressed. The relationship to and the differences with XPath are explained.

## Modules Course XPath-XLink-XPointer

<b>Module 1 : XML Overview</b>	<b>Module 2 : XPath</b>	<b>Module 3 : XLink</b>
XML Document Structure XML Prolog XML Elements XML Attributes Well Formed Documents Valid Documents Processing Instructions Entity References CDATA Sections Character References Comments Namespaces	XPath Expressions XPath Node Types XPath Context XPath Location Steps XPath Axes Location Path Syntax Predicates XPath Operators XPath Functions Node Tests in XPath XPath Data Types XML Schema Data Types	Limitations of HTML Links XLink Linking Model Simple Links Extended Links Links and Resources Defining Links Link Behavior on Show Link Behavior on Actuate Semantic Attributes role, arcrole and title Traversal Attributes label, from and to
<b>Module 4 : XPointer</b>		
XPointer Syntax XPointer versus XPath XPointer scheme() Point Location Definition Point Location Type Point Location Range Document Order string-range range-to Range Related Functions XPointer Framework		