

HTML

CSS

JAVASCRIPT

SQL

TUTORIALS -



Q

XML Tutorial

XML HOME

XML Introduction

XML How to use

XML Tree

XML Syntax

XML Elements

XML Attributes

XML Namespaces

XML Display

XML XSLT

XML XPath

XML XLink

XML Doctypes

XML Validator

XML DTD

XML Schema

XML Server

XML Applications

XML Examples

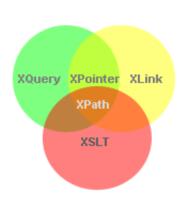
XML Quiz

XML, XLink and XPointer

« Previous

Next Chapter »

XLink is used to create hyperlinks in XML documents.



- XLink is used to create hyperlinks within XML documents
- Any element in an XML document can behave as a link
- With XLink, the links can be defined outside the linked files
- XLink is a W3C Recommendation

XLink Browser Support

XML Certificate

XML DOM

DOM Intro

DOM Nodes

DOM XMLHttpRequest

DOM Accessing

DOM Node Info

DOM Node List

DOM Traversing

DOM Navigating

DOM Get Values

DOM Change Nodes

DOM Remove Nodes

DOM Replace Nodes

DOM Create Nodes

DOM Add Nodes

DOM Clone Nodes

DOM Examples

DOM Reference

DOM Node Types

DOM Node

DOM NodeList

DOM NamedNodeMap

DOM Document

There is no browser support for XLink in XML documents. However, all major browsers support XLinks in SVG.

XLink Syntax

In HTML, the <a> element defines a hyperlink. However, this is not how it works in XML. In XML documents, you can use whatever element names you want - therefore it is impossible for browsers to predict what link elements will be called in XML documents.

Below is a simple example of how to use XLink to create links in an XML document:

To get access to the XLink features we must declare the XLink namespace. The XLink namespace is: "http://www.w3.org/1999/xlink".

The xlink:type and the xlink:href attributes in the <homepage> elements come from the XLink namespace.

The xlink:type="simple" creates a simple "HTML-like" link (means "click here to go there").

DOM Element

DOM Attribute

DOM Text

DOM CDATA

DOM Comment

DOM XMLHttpRequest

DOM Parser

Web Services

XML Services

XML WSDL

XML SOAP

XML RDF

XML RSS

XML DTD

DTD Intro

DTD Building Blocks

DTD Elements

DTD Attributes

DTD Elements vs Attr

DTD Entities

DTD Examples

XSD Schema

The xlink:href attribute specifies the URL to link to.

XLink Example

The following XML document contains XLink features:

```
<?xml version="1.0" encoding="UTF-8"?>
<bookstore xmlns:xlink="http://www.w3.org/1999/xlink">
<book title="Harry Potter">
 <description</pre>
 xlink:type="simple"
 xlink:href="/images/HPotter.gif"
 xlink:show="new">
 As his fifth year at Hogwarts School of Witchcraft and
 Wizardry approaches, 15-year-old Harry Potter is......
 </description>
</book>
<book title="XQuery Kick Start">
 <description</pre>
 xlink:type="simple"
 xlink:href="/images/XQuery.gif"
 xlink:show="new">
 XQuery Kick Start delivers a concise introduction
 to the XQuery standard.....
 </description>
```

XSD Intro

XSD Why Use

XSD How To

XSD <schema>

XSD Simple

XSD Elements

XSD Attributes

XSD Restrictions

XSD Complex

XSD Elements

XSD Empty

XSD Elements Only

XSD Text Only

XSD Mixed

XSD Indicators

XSD <any>

XSD <anyAttribute>

XSD Substitution

XSD Example

XSD Data

XSD String

XSD Date

```
</book>
</bookstore>
```

Example explained:

- The XLink namespace is declared at the top of the document (xmlns:xlink="http://www.w3.org/1999/xlink")
- The xlink:type="simple" creates a simple "HTML-like" link
- The xlink:href attribute specifies the URL to link to (in this case an image)
- The xlink:show="new" specifies that the link should open in a new window

XLink - Going Further

In the example above we have demonstrated simple XLinks. XLink is getting more interesting when accessing remote locations as resources, instead of standalone pages.

If we set the value of the xlink:show attribute to "embed", the linked resource should be processed inline within the page. When you consider that this could be another XML document you could, for example, build a hierarchy of XML documents.

You can also specify WHEN the resource should appear, with the xlink:actuate attribute.

XLink Attribute Reference

Attribute	Value	Description

XSD Numeric XSD Misc

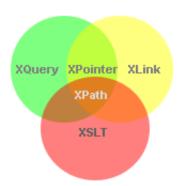
XSD References

XSD Reference

xlink:actuate	onLoad onRequest other none	 Defines when the linked resource is read and shown: onLoad - the resource should be loaded and shown when the document loads onRequest - the resource is not read or shown before the link is clicked
xlink:href	URL	Specifies the URL to link to
xlink:show	embed new replace other none	Specifies where to open the link. Default is "replace"
xlink:type	simple extended locator arc resource title none	Specifies the type of link

XPointer

• XPointer allows links to point to specific parts of an XML



document

- XPointer uses XPath expressions to navigate in the XML document
- XPointer is a W3C Recommendation

XPointer Browser Support

There is no browser support for XPointer. But XPointer is used in other XML languages.

XPointer Example

In this example, we will use XPointer in conjunction with XLink to point to a specific part of another document.

We will start by looking at the target XML document (the document we are linking to):

```
<?xml version="1.0" encoding="UTF-8"?>

<dogbreeds>

<dog breed="Rottweiler" id="Rottweiler">
        <picture url="http://dog.com/rottweiler.gif" />
        <history>The Rottweiler's ancestors were probably Roman drover dogs.....</history>
```

Note that the XML document above uses id attributes on each element!

So, instead of linking to the entire document (as with XLink), XPointer allows you to link to specific parts of the document. To link to a specific part of a page, add a number sign (#) and an XPointer expression after the URL in the xlink:href attribute, like this: xlink:href="http://dog.com/dogbreeds.xml#xpointer(id('Rottweiler'))". The expression refers to the element in the target document, with the id value of "Rottweiler".

XPointer also allows a shorthand method for linking to an element with an id. You can use the value of the id directly, like this: xlink:href="http://dog.com/dogbreeds.xml#Rottweiler".

xiiik.iiiei = iittp://dog.com/dogbreeds.xiiii# kottwellei .

The following XML document contains links to more information of the dog breed for each of my dogs:

```
<?xml version="1.0" encoding="UTF-8"?>
<mydogs xmlns:xlink="http://www.w3.org/1999/xlink">
<mydog>
  <description>
 Anton is my favorite dog. He has won a lot of.....
 </description>
  <fact xlink:type="simple"</pre>
xlink:href="http://dog.com/dogbreeds.xml#Rottweiler">
  Fact about Rottweiler
 </fact>
</mydog>
<mydog>
  <description>
  Pluto is the sweetest dog on earth.....
 </description>
 <fact xlink:type="simple"</pre>
xlink:href="http://dog.com/dogbreeds.xml#FCRetriever">
  Fact about flat-coated Retriever
  </fact>
</mydog>
</mydogs>
```



W3SCHOOLS EXAMS

COLOR PICKER



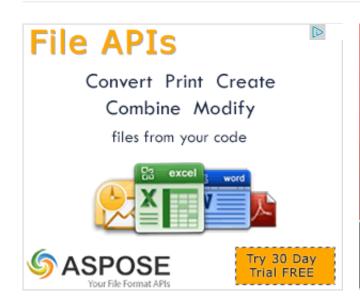
SHARE THIS PAGE













REPORT ERROR PRINT PAGE FORUM ABOUT

Top 10 Tutorials

HTML Tutorial
CSS Tutorial
JavaScript Tutorial
SQL Tutorial
PHP Tutorial
jQuery Tutorial
Bootstrap Tutorial
Angular Tutorial
ASP.NET Tutorial
XML Tutorial

Top 10 References

HTML Reference
CSS Reference
JavaScript Reference
Browser Statistics
HTML DOM
PHP Reference
jQuery Reference
HTML Colors
HTML Character Sets
XML Reference

Top 10 Examples

HTML Examples CSS Examples JavaScript Examples

PHP Examples
jQuery Examples
XML Examples
ASP Examples
SVG Examples

Web Certificates

HTML Certificate
HTML5 Certificate
CSS Certificate
JavaScript Certificate
jQuery Certificate
PHP Certificate
Bootstrap Certificate
XML Certificate

W3Schools is optimized for learning, testing, and training. Examples might be simplified to improve reading and basic understanding. Tutorials, references, and examples are constantly reviewed to avoid errors, but we cannot warrant full correctness of all content. While using this site, you agree to have read and accepted our terms of use, cookie and privacy policy. Copyright 1999-2015 by Refsnes Data. All Rights Reserved.

