

**Introduction to XSL-FO**

**Course Number:** XML-140  
**Duration:** 2 days

**Overview**

Introduction to XSL-FO teaches students how transform XML documents with XSL to create PDFs.

**Prerequisites**

Prior knowledge of XML and XSLT.

**Materials**

All XSL-FO training students receive comprehensive courseware.

**Software Needed on Each Student PC**

* Editor (One of the following)
  + Stylus Studio XSL-FO Editor
  + XMLSpy
  + <oXygen/> XML Editor
  + XML editor of your choice
  + Plain text editor
* FO processing engine of your choice

**Objectives**

All attendees will learn:

* How the Formatting Objects (FO) language works
* How to auto-generate FO documents from XML with XSLT
* How to use a Formatting Objects Engine to generate PDF documents from XML

**Outline**

* Formatting Objects Basics
  + The purpose of XSL-FO
  + How XSL-FO Works
    - XSL-FO Document Parts
    - An XSL-FO Example
    - The Root Element: root
    - layout-master-set and simple-page-master
    - Regions
    - page-sequence
    - flow and static-content
    - block
  + Static Content
    - region-before and region-after
    - static-content
* Blocks and Inlines
  + Formatting Blocks
    - Box Model
    - Border
    - Space, Indent and Padding
    - Background
    - A Formatting Example
    - Formatting Text
  + Inline Elements
  + Inheritance
    - wrapper
  + Creating Lists
    - list-block
    - list-item
    - list-item-label
    - list-item-body
  + Whitespace
* Page Layout
  + Page Masters
  + Simple Layout
    - fo:simple-page-master
    - fo:region-body
    - fo:region-before, fo:region-after, fo:region-start, and fo:region-end
  + page-sequence-master
    - Creating a Cover Page
    - Odd and Even Pages
  + Blank Pages
    - break-before and break-after
  + Columns
* Links and Graphics
  + External Links
  + Graphics
  + Internal Links
* Tying It All Together: XSL-FO
  + Tying it all Together
* Keeps, Orphans, and Widows
  + Keep Constraints
    - keep-with-previous and keep-with-next
    - keep-together
  + Orphans and Widows
* Leaders, Markers, and Page Numbers
  + The Output
  + Table of Contents
    - Page Numbering
  + Leaders
  + Markers
* Tables
  + Creating Tables
    - fo:table
    - fo:table-column
    - fo:table-header, fo:table-body, fo:table-footer
    - fo:table-row
    - fo:table-cell
* Footnotes and Floats
  + Footnotes
    - xsl-footnote-separator
  + Floats
* Conclusion