

PDFs from DITA using WYSIWYG Tools

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Introduction

— [Scott Prentice, President of Leximation, Inc.

— [Specializing in FrameMaker plugin development as well as structured FrameMaker conversions, consulting, and development. FrameMaker user/developer since 1991.

— [Developed DITA-FMx, a FrameMaker plugin for efficient DITA authoring and publishing.

— [Consulting for custom Help systems, creative/functional web applications, and EPUB solutions.

Disclaimer

— [I am a ..

— FrameMaker developer

— Creator of the FrameMaker DITA-FMx plugin

— Reseller for Miramo

— [All tools are discussed in this presentation

Basics

- [PDF - Portable Document Format

- Very popular documentation format (not dead yet!)

- [DITA - Darwin Information Typing Architecture

- XML format for authoring in a topic oriented structure

- [WYSIWYG - What You See Is What You Get

- Lets you work in a “rendered” environment, not in code

XML-PDF publishing process

— [Define templates for content

— [“Pour” content into templates to create pages

— [Apply formatting to elements and contexts

— [Render pages to PDF format

XML-PDF publishing tools

- [Coded (XSL-FO or CSS)

- Stylesheets define page layouts and element formatting

- Typically requires programmers to do coding

- [WYSIWYG

- Templates define page layouts and element formatting

- Templates maintained by page-layout experts

XSL-FO basics

- [XSL-FO (XSL Formatting Objects) is a markup language for formatting XML documents

- [Part of the W3C's XSL specification (also XSLT and XPath)

- [Typical workflow for converting XML to PDF using XSL-FO:

- Write content in XML (DITA or other format)

- XSLT transformation generates the XSL-FO

- XSL-FO is passed to the FO processor to generate PDF

Benefits of XSL-FO

— [Low entry cost (free?)

— [XSL-FO is an XML language

— [FO markup language is largely based on CSS

— [Designed to work for all written human languages

— [Great if you have XSL-FO developer on staff

Limitations of XSL-FO

— [XSL-FO development (coding) is expensive and complicated

— [Tables that span pages may not break as expected

— [No way (?) to render elements on one page in relation to another page

— [Difficult to apply balanced vertical spacing on a page

— [Processors may use extensions to implement features, so FO stylesheets may not be portable between processors

Benefits of WYSIWYG tools

— [Can produce “nicer” output

— [Easier to maintain

— [Allows for more frequent modification to layouts

— [Some tools allow modification of “intermediate” files

— [Through APIs, some tools allow analysis of rendered page

— [Often costs more initially, but less in the long run

Limitations of WYSIWYG tools

— [Hmm...

— [Some tools may not have the throughput of XSL-FO engines

— [Some tools may not support all languages

— [Choose your tools wisely

WYSIWYG tools

— [Adobe FrameMaker

— [Adobe FrameMaker +
DITA-FMx

— [Arbortext Styler

— [DITA InPrint

— [MadCap Flare

— [Datazone MiramoPlus

— [Quadralay ePublisher

— [TopLeaf XML Publisher

Adobe FrameMaker

Adobe Systems - Windows. \$999

— [Allows editing of source documents

— [Page layout and styles defined in FM file (template)

— [Formatting applied by EDD (embedded within template)

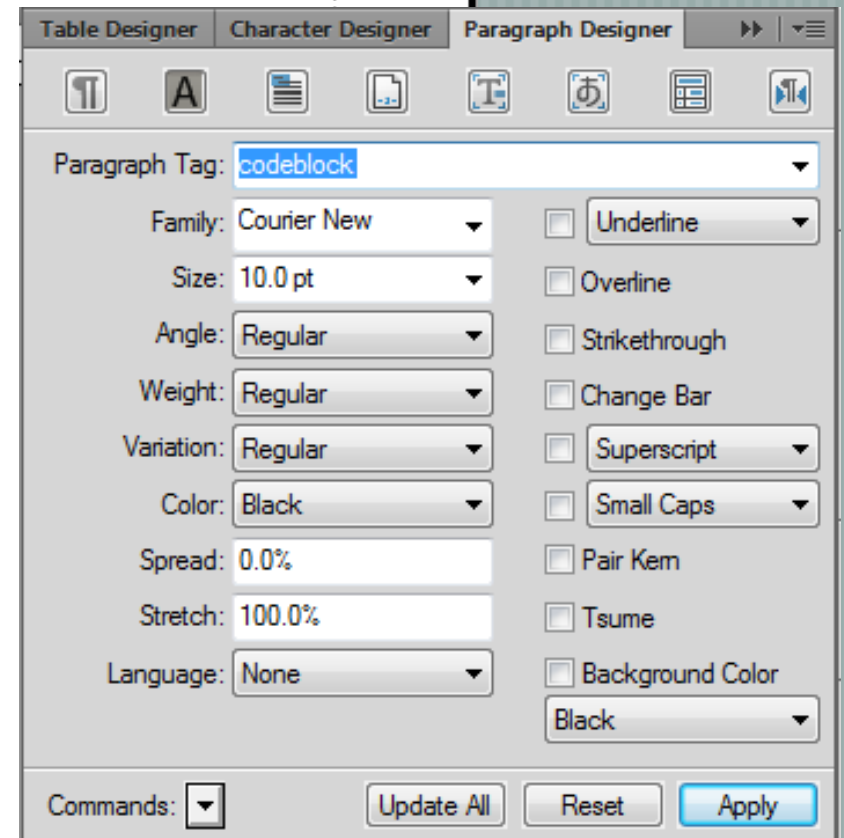
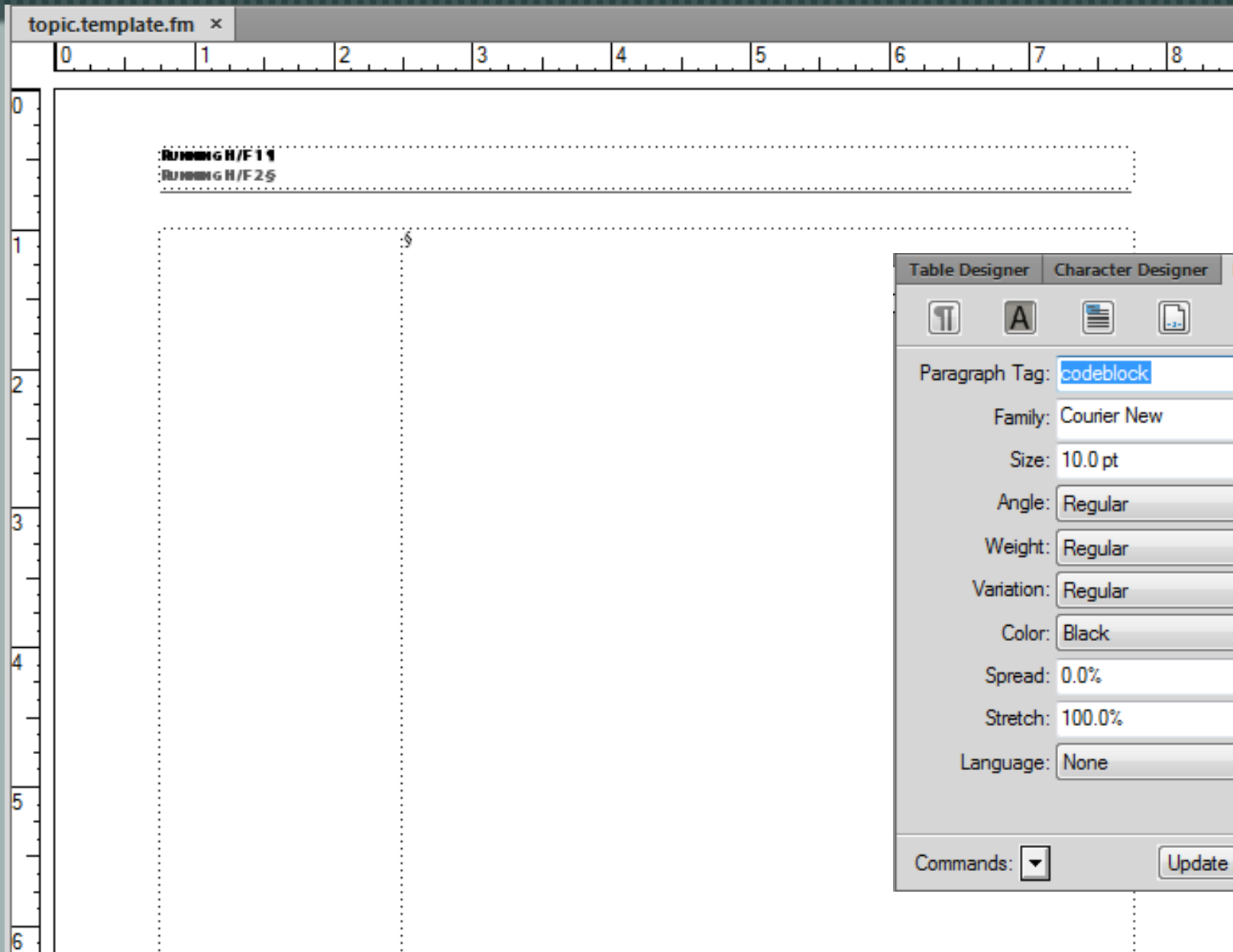
— [Supports contextual formatting (element and attrib. based)

— [Supports generated lists (TOC, Index, etc.)

— [Generates intermediate FM/BOOK files, saved to PDF

— [Automated publishing via FM Server, FDK, ExtendScript

FrameMaker



FrameMaker

topic.edd.fm x

Element Definition Document

The `codeblock` element preserves XML line breaks.

Element (Container): `codeblock`

General rule: (<TEXT> | boolean | cite | keyword | name | msgnum | varname | wintitle | synph | filepath | msgph | systemoutput | q | term | abbreviated-form | fm-xref | data-about | foreign | unknown | codeblock | term | required-cleanup)*

Attribute list

- Name:** `scale` **Choice**
Choices: 50 | 60 | 70 | 80 | 90 | 100 | 110
conref-target
- Name:** `expanse` **Choice**
Choices: column | page | spread | textline
- Name:** `spectitle` **String**
- Name:** `xml:space` **Choice**
Choices: preserve
Default: preserve
Control flags: Read-only
- Name:** `id` **String**
- Name:** `conref` **String**
- Name:** `conrefend` **String**
- Name:** `conaction` **Choice**
Choices: mark | pushafter | pushbefore
- Name:** `conkeyref` **String**
- Name:** `props` **String**
- Name:** `platform` **String**

Structure View

- Head Programming Domain
- Para This EDD module is based on [
- + Element codeph
- Element
 - Comments The codeblock
 - Tag codeblock
 - Container
 - GeneralRule (<TEXT> | bc
 - + AttributeList scale
 - TextFormatRules
 - AllContextsRule
 - + ParagraphFormatting codeb
 - ContextRule
 - If
 - Specification
 - + ParagraphFormatting

FrameMaker + DITA-FMx

Adobe Systems, Leximation - Windows. \$999 + \$235

[Allows everything from default FrameMaker

[Stores separate project settings for each deliverable

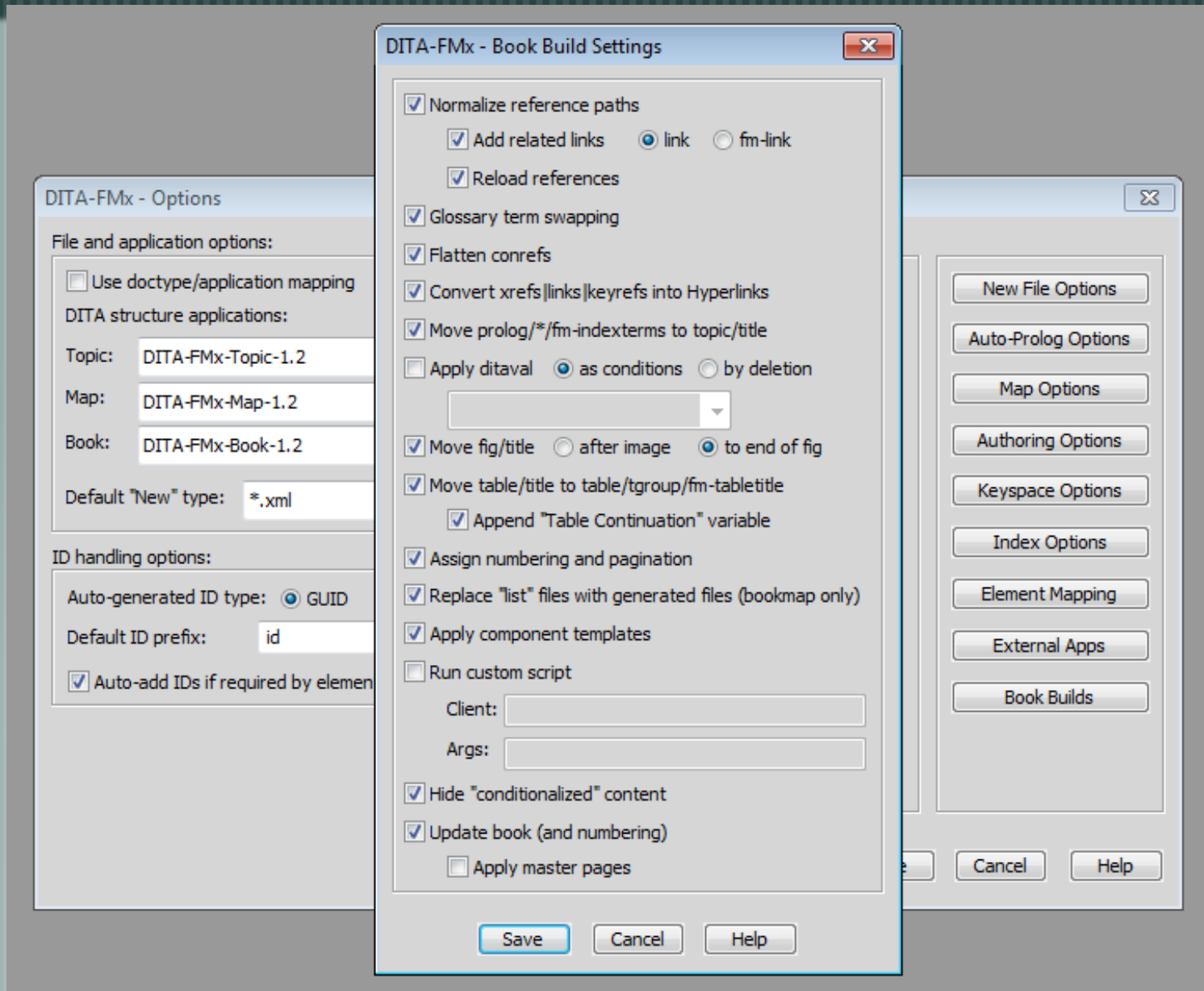
[Apply separate templates for each book component

[Easily integrate additional publishing plugins/scripts

[Supports versions back to FM 7.2

[Automated publishing via FMx-Auto, FM Server, FDK,
ExtendScript

DITA-FMx



DITA-FMx

The screenshot displays the DITA-FMx interface. The main window, titled `_natparks.ditamap`, shows a map for "National Parks". The map content includes:

- National Parks**
- BOOK META INFORMATION**
- CREATION DATE:** 2015-01-08
- <toc>**
 - Chapter 1 Yosemite National Park
 - Chapter 2 Olympic National Park
 - Chapter 3 Waterton-Glacier Internat
 - Chapter 4 Yellowstone National Pa
 - Appendix A List of National Parks of
- <indexlist>**

The **Structure View** on the right shows a tree structure for the `bookmap` element:

- `bookmap` (expanded)
 - `title`
 - `bookmeta`
 - `frontmatter`
 - `chapter`

The **DITA-FMx - Generate Book from Map** dialog box is open, showing the following settings:

- Book file (use forward slashes):** `C:/Demo/natparks/dita/book/_natparks.book`
- Component template folder override (use forward slashes):** `~ default value ~`
- Ditaval override:** `~ no registered ditavals ~` (with a `Book Build Settings` button)
- Prompt to overwrite existing book/FM files
- Open console file when complete (for debugging)
- Advanced settings**
 - Active book-build INI file:** `C:/Demo/natparks/dita/book/ditafmx-bookbuild.ini` (with `Delete INI` and `Edit INI` buttons)

At the bottom of the dialog, it states: `-- USING 'LOCAL' BOOK-BUILD INI`. The dialog has `Save/Build`, `Close`, and `Help` buttons.

Arbortext Styler

PTC - Windows. Pricing not available

— [Allows editing of source documents

— [GUI for creating layout/formatting stylesheets

— [Maps elements, attributes, and contexts to styles and objects

— [Supports generated lists (TOC, Index, etc.)

— [Exports directly to PDF

— [Stylesheets can be used with Arbortext Publishing Engine (APE) for automated publishing

Arbortext Styler

The screenshot displays the PTC Arbortext Styler application window. The title bar reads "PTC Arbortext Styler - ditabase.style". The menu bar includes File, Edit, View, Insert, Tools, Preview, Options, and Help. The toolbar contains various icons for file operations and styling. Below the toolbar is a table listing elements and their associated styles and modules.

Element	Style	RTF Style/F...	Module
+ anchorref	Block		Elements Module
+ apiname	Inline		Elements Module
+ appendices	Division 1		Elements Module
+ appendix	Division 2		Elements Module
+ approved	Hidden		Elements Module
+ area	Block		Elements Module
+ audience	Block		Elements Module
+ author	Block		Elements Module

Below the table are tabs for "Description" and "Comment". The "Description" tab is active, showing the following text:

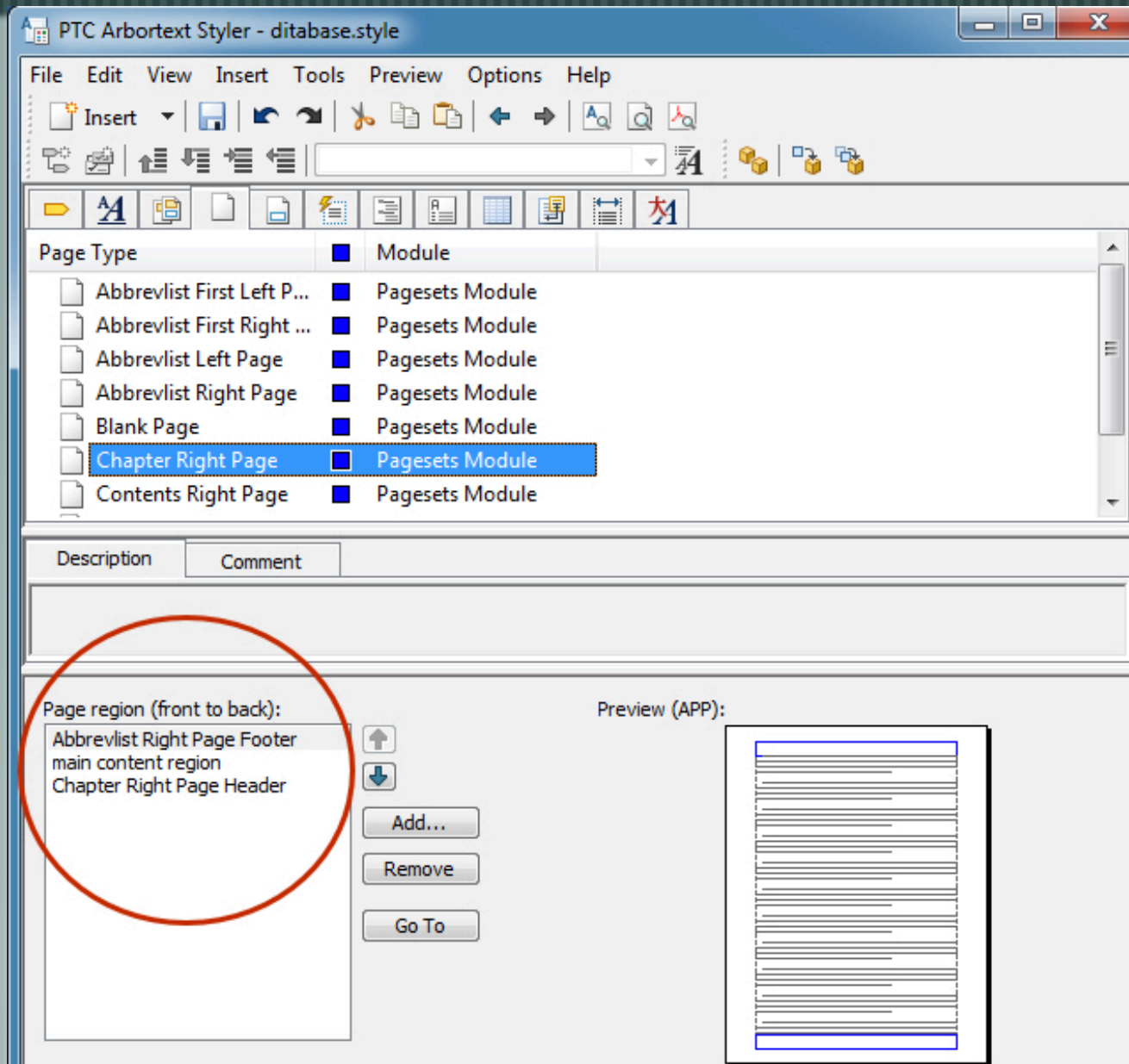
Base (All Outputs): Block
Print/PDF: Start new=odd page, Page number=Initial,

Below the description is a section for "Outputs to edit:" with a dropdown menu set to "Base (All Outputs)".

The "Category:" section on the left lists various categories, with "Breaks" selected. The "Text properties" section contains the following settings:

- Font family: <Derive>
- Font size: <Derive>
- Hidden: No
- Bold: <Derive>
- Italic: <Derive>
- Text color: <Derive>
- Text shading: <Derive>
- All caps: <Derive>
- Small caps: <Derive>
- Super/Subscript: <Derive>
- Font offset: <Derive>
- Underline style: <Derive>
- Underline color: <Derive>
- Strikethrough style: <Derive>
- Strikethrough color: <Derive>

Arbortext Styler



Arbortext Styler

The screenshot shows the PTC Arbortext Editor - APP Preview window. The window title is "PTC Arbortext Editor - APP Preview". The menu bar includes "File", "Edit", "View", "Tools", and "Help". The toolbar contains various icons for file operations, navigation, and zooming, with a zoom level of 104% and a "Points" dropdown menu. The main content area displays a document with a table and text. The table has two rows, each with a bolded header and a descriptive text. Below the table, there is a section titled "Understanding Arbortext Publishing" followed by a list of three concepts and a paragraph of text. The document is rendered in a light gray background with a vertical black line on the right side.

Understanding Arbortext Publishing	
Arbortext Content Manager (content management)	One brand name for the PTC Server. It is an integral component of the PTC Dynamic Publishing System that provides a single source of information, maintains control at every component level, preserves component relationships, and provides configuration management capabilities to enable organizations to optimize their publishing process.
Arbortext eLearning Library (training)	This library of training videos contains material dating back to Arbortext 5.2. The video content is exactly the same as the official PTC in-person training course material, except that it is broken into one-hour segments that make it easy to view and work into your daily work schedule.

Understanding Arbortext Publishing

Three concepts are essential to understand Arbortext Publishing:

1. Arbortext Advanced Print Publisher (APP)
2. Arbortext Styler
3. Arbortext Publishing Engine (APE)

Before you can truly understand Arbortext Styler, you have to understand the rendering engine (APP) and the publishing engine (APE). They are discussed in the following sections.

Arbortext Advanced Print Publisher

Arbortext Advanced Print Publisher (APP) is a desktop publishing application that originated as a high-end typesetting tool. APP is also the primary rendering engine used by both Arbortext Styler and Arbortext Publishing Engine.

DITA InPrint

DITA InPrint - Windows, Mac, Linux. \$995/year, \$1995 (perpetual)

— [Templates developed in OpenOffice Writer

— [DITA resolved by OT, passed to OO Writer for rendering

— [TOC and Index generated by OT preprocess

— [Intermediate files can be edited in OO Writer

— [PDF exported from OO Writer

— [Standalone or integrates with Oxygen XML Editor

— [Limited support for DITA 1.2

DITA InPrint

Untitled 1 - OpenOffice Writer

File Edit View Insert Format Table Tools Window Help

Find

Title Arial Narrow 16 B I U

1 2 3 4 5 6 7

1 2 3 4 5 6

S

**DITA InPrint™
User Guide**

First Published: July 1, 2013
Last Modified: 2014-03-12

Author: Tengwar Systems Inc.

Properties

Text

Arial Narrow 16

B I U ABC A

Paragraph

Spacing: Indent:

0.00" 2.00"

0.00" 0.00"

0.00"

Page

Orientation: Margin:

Size: Column:

DITA InPrint

The screenshot shows the DITA InPrint application window. The title bar reads "DITA InPrint". The menu bar contains "File" and "Help". The main interface has four input fields, each with a "Browse..." button:

- Input DITA map or topic: C:\Docs\Project1\dita_project1.ditamap
- Output folder: C:\Docs\Project1\out\
- OpenOffice Writer Template: C:\Tools\DITA InPrint 1.1 - Release\Templates\DITA_InPrint_user_guide.ott
- DITAVAl filter file: (empty)

Below these fields is an "Options" section, highlighted with a red border, containing several dropdown menus:

- Figure titles: below
- Table titles: above
- Related links: none
- Task labels: NO
- Draft output: no

To the right of the "Options" section is a "PDF Reader" field with the path C:\Program Files (x86)\Adobe\Reader 10.0\Reader\AcroRd32.exe and a "Browse..." button.

At the bottom left is a "Publish!" button. At the bottom right are "Open PDF" and "Save log..." buttons. Below these is a "Publishing log:" section with an empty text area and a scroll arrow on the right.

MadCap Flare

MadCap Software - Windows. \$1448

— [Import DITA into Flare project

— [Allows editing of source content

— [GUI provides page layout and element formatting via CSS to define output target properties

— [Supports generated lists (TOC, Index, etc.)

— [Exports directly to PDF

— [Automated publishing via command line interface

Flare

The screenshot shows the Flare Stylesheet Editor interface. At the top, there are browser tabs for 'About Master Pages', 'Default.flpgl*', 'Styles.css*', 'MasterPage.flmsp', and 'chaptertwo.htm'. Below the tabs is a toolbar with 'View: Simplified', 'Add Selector', 'Manage Font Sets', and 'Options'. A dropdown menu shows 'All Styles', and there are checkboxes for 'Hide Inherited' and 'Hide Properties'. A font size dropdown is set to 'Medium: (default)'. On the right, there are icons for Bold (B), Italic (I), and Underline (U), with '(not set)' next to them.

Name	Tag	Class	ID	Pseudo Class	Preview	Comment	background-color	border	border-bottom-
h1	h1				MadCap So				
h2	h2				MadCap Softw				
h3	h3				MadCap Software				
h4	h4				MadCap Software				
h5	h5				MadCap Software				
h6	h6				MadCap Software				
p	p				MadCap Software				
p.Concept	p	Concept			MadCap Software				
p.ConceptCont...	p	ConceptCon...			MadCap Softwa				
p.Index1	p	Index1			MadCap Software				
p.Index2	p	Index2			MadCap Software				
p.Index3	p	Index3			MadCap Software				
p.Index4	p	Index4			MadCap Softw				
p.Index5	p	Index5			MadCap So				
p.Index6	p	Index6			MadCap				
p.Index7	p	Index7			MadCa				
p.Index8	p	Index8			Mac				
p.Index9	p	Index9			M				
p.IndexHeading	p	IndexHeading			MadCap Software				
p.ListOf	p	ListOf			MadCap Software.....				
n.MiniTOC1	n	MiniTOC1			MadCap Software				

Flare

The screenshot displays the MadCap Flare Stylesheet Editor interface. The top navigation bar includes tabs for 'About Master Pages', 'Default.flpgl*', 'Styles.css*', 'MasterPage.flmsp', and 'chaptertwo.htm'. Below the navigation bar, the 'Stylesheet Editor' section contains options like 'View: Advanced', 'Add Selector', 'Manage Font Sets', and 'Options'. The main workspace is divided into three panes: a left-hand 'All Styles' list, a central 'Medium: (default) h1' property editor, and a bottom 'h1 comments' pane. The 'All Styles' list shows various HTML elements, with 'h1' selected. The 'Medium: (default) h1' pane displays a tree view of CSS properties, with 'Block' expanded to show settings for 'display', 'hanging-punctuation', 'letter-spacing', 'text-align', 'text-indent', 'vertical-align', 'white-space', and 'word-spacing'. The 'h1 comments' pane at the bottom shows '(no comment)'. The overall interface is clean and professional, typical of a software development tool.

Stylesheet Editor | View: Advanced | Add Selector | Manage Font Sets | Options

All Styles | Hide Inherited | Medium: (default) | Show: Assorted Relevant Properties

tooter
form
frame
frameset
h1
h2
h3
h4
h5
h6
head
header
hr
html
i
img
input
ins
kbd
label
legend
li
 special
 (Pseudo Classes)
 MadCap | annotation
 MadCap | bodyProxy
 MadCap | breadcrumbsProxy
 MadCap | concept
 MadCap | conceptLink

Medium: (default)
h1

- Font
 - Block
 - display: block
 - hanging-punctuation: ...
 - letter-spacing: ...
 - text-align: ...
 - text-indent: ...
 - vertical-align: ...
 - white-space: ...
 - word-spacing: ...
 - Border
 - Box
 - Cell
 - Positioning
 - Padding
 - PrintSupport
 - AutoNumber

h1 comments:
(no comment)

This is MadCap Software.

Flare

The screenshot displays the Adobe Flare Page Layout Editor interface. The top window title is "Default.flpgl*". The browser-like address bar shows several open tabs: "About Master Pages", "Default.flpgl*", "Styles.css*", "MasterPage.flmsp", and "chaptertwo.htm". Below the address bar is a toolbar with icons for file operations and editing, and a "Page Layout Editor" label. The main workspace shows a page layout with a frame selected. A "Frame Properties" panel is overlaid on the workspace, containing the following sections:

- Frame** (selected in the left sidebar):
 - Columns
 - Background
 - Borders
 - Flow
- Size and Position**:
 - Left: Length: 0 px
 - Top: Length: 29 px
 - Width: Length: 6.50 in
 - Height: Length: 8.70 in
- Padding**:
 - Left: Length: 0 px
 - Right: Length: 0 px
 - Top: Length: 0 px
 - Bottom: Length: 0 px
- Anchors**:
 - Right: Length: 0 px
 - Bottom: Length: [unspecified]

At the bottom right of the panel, there is a diagram showing a yellow rectangle with blue borders and arrows indicating the direction of the anchors (left, right, top, bottom).

Flare

The screenshot shows a web browser window with the title bar 'chaptertwo.htm'. The browser's address bar contains 'ln' and '(4 of 15)'. The browser's toolbar includes a 'Layout (Print)' dropdown menu, which is open, showing options: 'Web Layout', 'Web Layout (Tablet)', 'Web Layout (Mobile)', 'Print Layout' (selected with a checkmark), 'Edit Page Layout Document', and 'Edit Master Stylesheet'. The main content area displays a document titled 'Chapter Two' with the following text: 'This is a basic test of simple content. This is a basic test of simple content. This is a basic test of simple content. This is a basic test of simple content. This is a basic test of simple content. This is a basic test of simple content. For more information see [chapterone.htm#id59ddc450-819f-4fa0-a3f0-5ec98df4af03](#)'. Below the text is a bulleted list: '• Bullet item one', '• Bullet item two', and '• Bullet item three'. Under 'Bullet item two' is a sub-paragraph: 'Second paragraph in bullet item two'. Below the list is another paragraph: 'This is more simple content. This is more simple content. This is more simple content. This is more simple content. This is more simple content. This is more simple content.' At the bottom of the page is an image of a snowy mountain range with evergreen trees in the foreground.

chaptertwo.htm

About Master Pages x Default.flpgl x Styles.css* x MasterPage.flmsp x chaptertwo.htm x

Layout (Print) Medium (print) Page Layout

Web Layout
Web Layout (Tablet)
Web Layout (Mobile)
 Print Layout
Edit Page Layout Document
Edit Master Stylesheet

html
body
h1
p
ul
li
li
li
li
li
p
p
p
p
div
p
img

Chapter Two

This is a basic test of simple content. This is a basic test of simple content. This is a basic test of simple content. This is a basic test of simple content. This is a basic test of simple content. This is a basic test of simple content. For more information see [chapterone.htm#id59ddc450-819f-4fa0-a3f0-5ec98df4af03](#)

- Bullet item one
- Bullet item two
Second paragraph in bullet item two
- Bullet item three

This is more simple content. This is more simple content. This is more simple content. This is more simple content. This is more simple content. This is more simple content.

MiramoPlus

Datazone - Windows. FREE (personal), \$5750+ (enterprise)

[DITA-OT plugin maps from DITA to MiramoXML

[Custom element to style mapping via MiramoXML

[Use Page Designer (or FM) to edit formatting templates

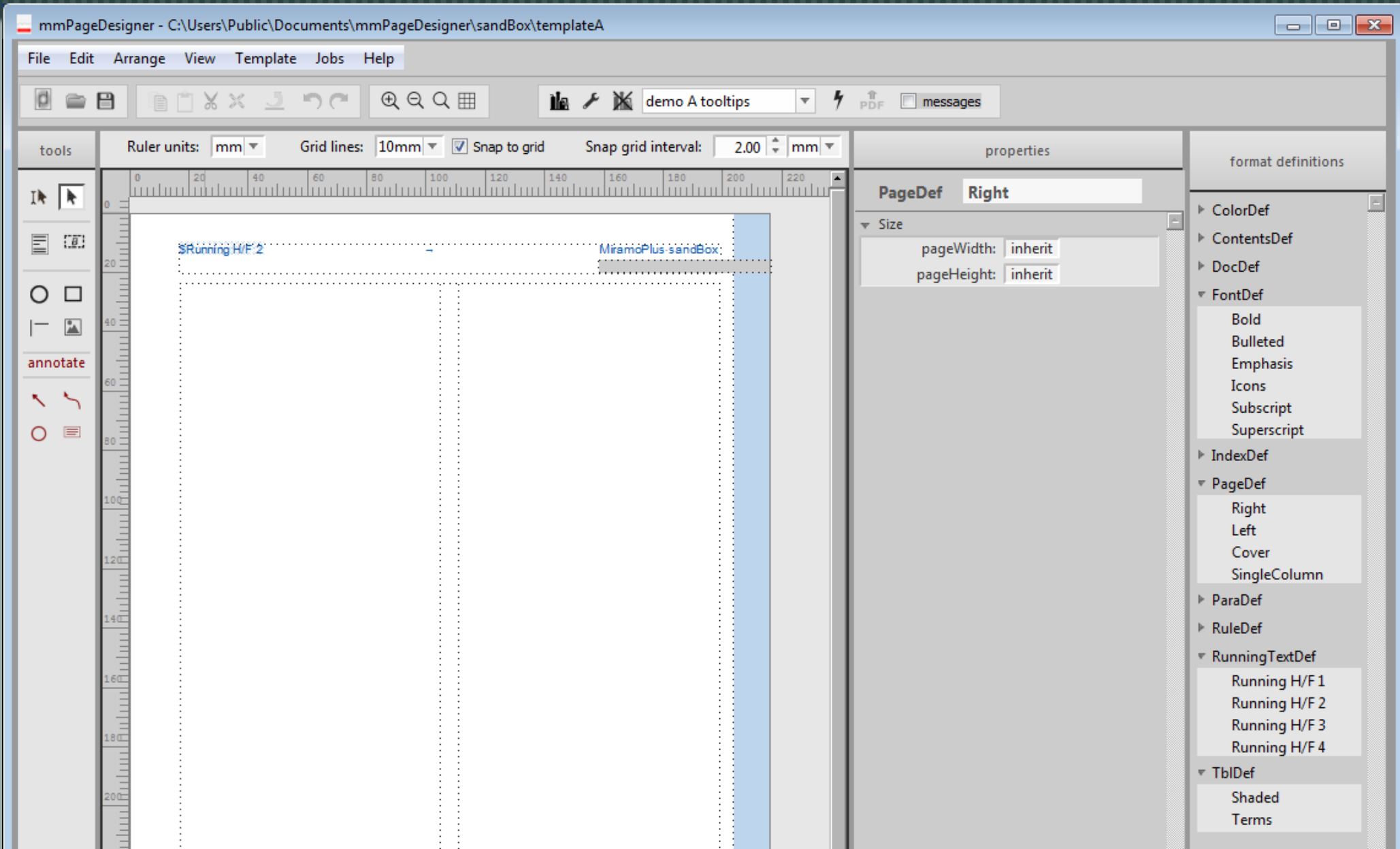
[Supports generated lists (TOC, Index, etc.)

[Exports directly to PDF from Page Designer

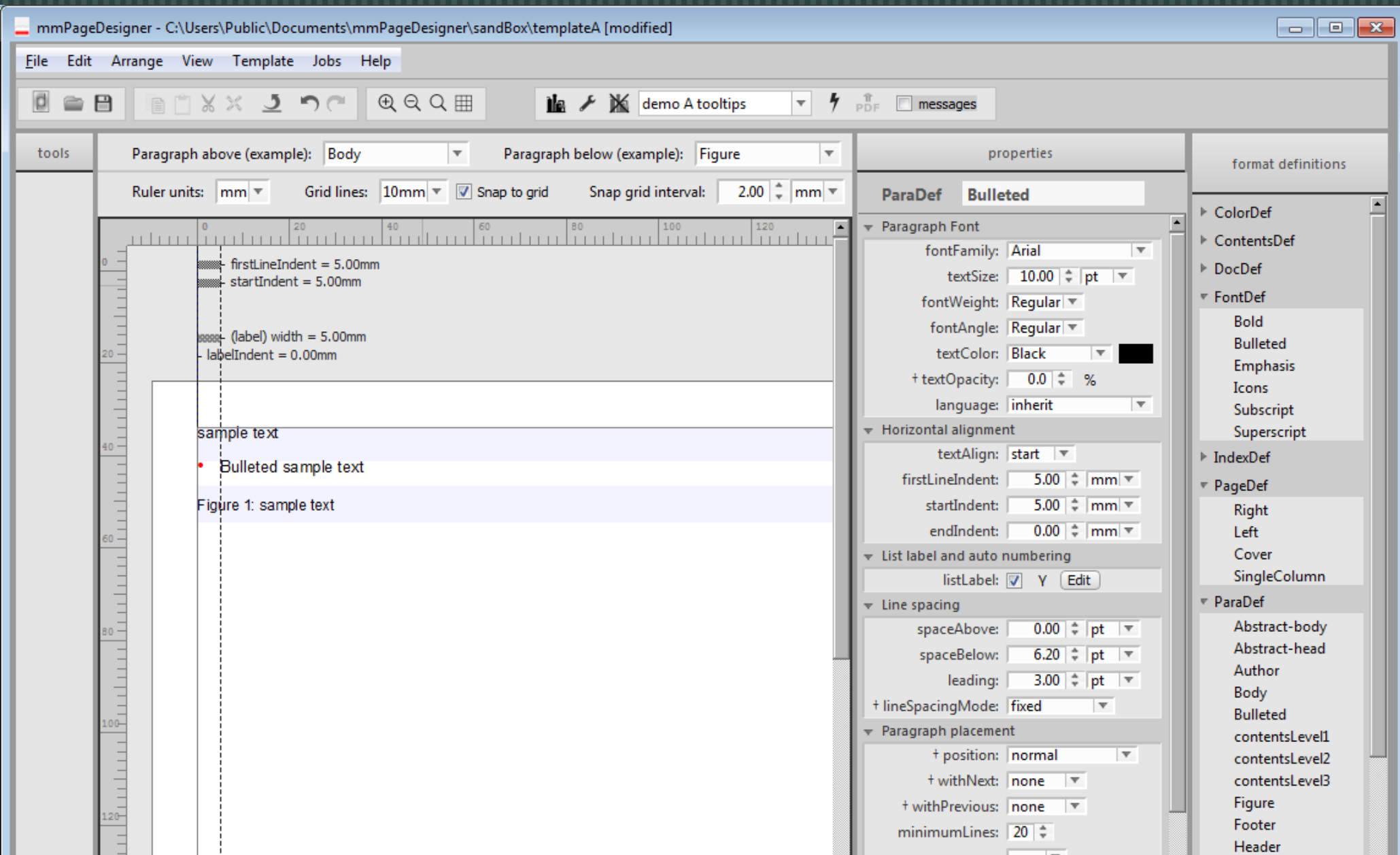
[Automated publishing via DITA-OT and Miramo Composer

[Full APIs provide complete control over publishing

MiramoPlus



MiramoPlus



MiramoPlus

The screenshot displays the mmPageDesigner application window. The title bar reads "mmPageDesigner - C:\Users\Public\Documents\mmPageDesigner\sandBox\templateA [modified]". The menu bar includes "File", "Edit", "Arrange", "View", "Template", "Jobs", and "Help". The toolbar contains icons for file operations and editing, with a dropdown menu currently showing "demo A tooltips".

The main workspace features a ruler at the top and a vertical ruler on the left. The text in the workspace reads: "Surrounding paragraph text before... **Bold sample text** ...surrounding paragraph text after." The text "Bold sample text" is highlighted in blue.

Below the workspace, there are several panels:

- tools**: A panel with a dropdown menu set to "Bold".
- Font Definition**: A panel with a dropdown menu set to "Body".
- Ruler units**: A panel with a dropdown menu set to "mm".
- properties**: A panel titled "FontDef Bold" containing various font settings:
 - Font**: fontFamily: Arial, textSize: inherit, fontWeight: Bold, fontAngle: inherit, textColor: inherit, textOpacity: inherit, language: inherit.
 - Text features**: textUnderline: inherit, textOverline: inherit, strikeThrough: inherit, fillColor: inherit, fillTint: inherit.
 - Line breaking**: hyphenate: inherit, linebreak: inherit.
 - Horizontal text spacing**: textKern: inherit, ligatures: inherit, textSpread: inherit, letterSpacing: inherit, wordSpacing: inherit.
 - Vertical text adjustment**: superscript: inherit, subscript: inherit.
- format definitions**: A panel listing various format definitions such as ColorDef, ContentsDef, DocDef, FontDef (with sub-items: Bold, Bulleted, Emphasis, Icons, Subscript, Superscript), IndexDef (index1), PageDef (Right, Left, Cover, SingleColumn), and ParaDef (Abstract-body, Abstract-head, Author, Body, Bulleted, contentsLevel1, contentsLevel2, contentsLevel3, Figure, Footer).

Quadralay ePublisher

Quadralay - Windows. \$795/year

— [Designer GUI creates/edits FO stylesheets

— [Uses XSL-FO with Apache FOP (or other engine) for rendering

— [Custom element to style mapping via XSL

— [Supports generated lists (TOC, Index, etc.) and miniTOC

— [Provides preview of styling

— [Exports directly to PDF

— [Automated publishing via Automap


ePublisher

The screenshot displays the WebWorks ePublisher Designer interface for a project named "project1". The main window shows a document titled "Start Page" with the following content:

Document: C:\Test\SF-STC\out_natparks.ditamap

Yosemite National Park is a United States National Park spanning eastern portions of Tuolumne, Mariposa and Madera counties in the central eastern portion of California, United States.

Figure 1. Yosemite Valley from Tunnel View



The interface includes a Document Manager on the left showing the project structure, an Output Explorer at the bottom left showing the generated files, and a Style Designer panel at the bottom right. The Style Designer panel is currently showing the "Font" properties for the selected "Figure Title" style, with the following settings:

Properties	Options	Target Properties	Target Options
Advanced			
Aural			
Background			
Border			
Bullet			
Font			
HTML			
Margin			
Padding			
Pagination			
Text			

The "Font" properties are set as follows:

- Family: [Empty]
- Size: Custom [Empty]
- Style: Italic
- Variant: [Empty]
- Weight: [Empty]

ePublisher

project1 - WebWorks ePublisher Designer

File Edit Project Target View Advanced Help

Document Manager

- project1
 - _natparks.ditamap

Document Designer

Style type: Paragraph
Apply style: Title

Target Properties Target Options

Border
Bullet
Font
HTML
Margin

Font properties


Family: Consolas
Size: Custom
Style:
Variant:
Weight: Bold

Document: C:\Test\SF-STC\out_natparks.ditamap

Yosemite National Park

Yosemite National Park is a United States National Park spanning eastern portions of Tuolumne, Mariposa and Madera counties in the central eastern portion of California, United States.

Figure 1. Yosemite Valley from Tunnel View



Location	Tuolumne, Mariposa, & Madera counties, California, USA
Nearest city	Mariposa, California
Coordinates	37°44'43"N 119°35'54"W
Area	761,268 acres (308,074 ha)
Established	October 1, 1890
Visitors	3,951,393 (in 2011)
Governing	National Park Service

Output Explorer

- _natparks.ditamap
 - Navigation
 - project1.pdf
 - Files
 - _natparks.pdf
 - Images
 - yosemite_valley_tu
 - Yosemite_National_
 - Yosemite_El_Capita
 - Yosemite_national_
 - A_rainbow_over_Bri
 - Vernal_Fall_08776.j
 - Yosemite_Meadow.j
 - El_Capitan_at_fall.j
 - Miwok-Paiute_cere

TopLeaf XML Publisher

Turn-Key Systems - Windows, Linux. \$799+

— [Integrates with Oxygen, XMetaL, and DITA-OT

— [GUI stylesheet development toolkit allows mapping of formatting to elements/attributes and contexts

— [Proprietary engine for rendering

— [Supports generated lists (TOC, Index, etc.)

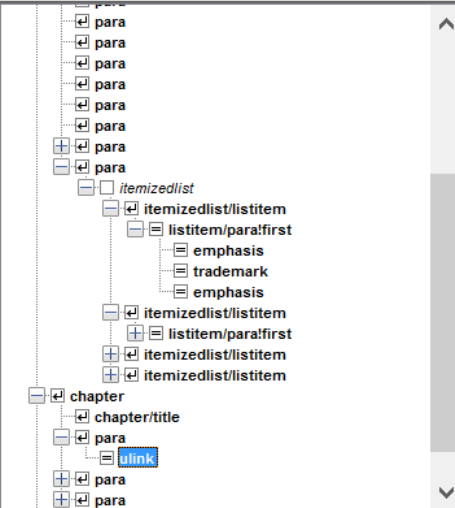
— [Export directly to PDF

— [API integrates with CMS and publishing workflows

TopLeaf

Mapping Assistant

File Edit View Help



/book/chapter/para/ulink

Attribute	Value
url	http://www.oasis-ope...

There are a number of inputs to the composition process:

- The *tag mappings* describe how to convert the structural information of the document into presentation styles. For example, a mapping can specify that all text in a <title> tag should be bold. *TopLeaf* includes a *Map Manager* which makes the creation of complex mappings a simple point-and click process.
- The *page layout* describes where and how data is placed on the page. *TopLeaf* keeps this separate from tag mappings, so a single set of mappings can easily produce several different output formats.
- Most publications will require the addition of other material which is not in the source data, or is derived from it. The most obvious example is the addition of headers and footers. *TopLeaf* also allows you add running heads, footnotes, margin lines and other effects.
- If a DTD (document type definition) is available, *TopLeaf* will use it to insert default attribute values, define external entities, etc. *TopLeaf* does not attempt to validate the input, so you can still create output from incomplete data during development. *TopLeaf* can also use an OASIS catalog file to resolve references to DTDs and entity files.

This Demonstration

This document uses the DocBook DTD, a standard DTD developed for technical publications. For more information about DocBook, see www.oasis-open.org/docbook/.

The following assumes that you have loaded the document into *TopLeaf* and composed it. To see the source document, press the button or select Edit from the Commands menu. *TopLeaf* uses an external program to edit XML data. When it is installed, one of the text editors on your system was selected as the editor. You can choose which editor to use by selecting Preferences... from the File menu.

Find: Next Prev Match case Whole words

TopLeaf

TopLeaf Mappings - Demonstrations/Introduction/Tutorial

File Edit View Tools Help

tag: para

Start Tag End Tag Content Paragraph Font Tables Box Image Custom

Margins

Left: 0 Above: 2.0mm
Right: 0 Below: 0

Line indents

First/Left: 0 Alignment: {inherit}
Last/Right: 0 Label offset: 0

Reset margins

Space above

Discard at boundaries
 Retain at internal boundaries
 Retain always

Space below

Discard at boundaries
 Retain at internal boundaries
 Retain always

Interword spacing (%)
{inherit}

Last line alignment
{default}

Widow/orphan lines
{inherit}

Direction
{inherit}

Vertical alignment

Label style

Type:
Min. gap: 0
Min. depth: 0

- tag
 - \$document
 - abstract
 - abstract/title
 - book
 - book/title
 - bookinfo
 - chapter
 - chapter/title
 - emphasis
 - graphic
 - quilateral
 - quimenu
 - quimenuitem
 - inlinegraphic
 - itemizedlist/listitem
 - listitem/parafirst
 - orderedlist/listitem
 - para
 - section
 - section/title
 - subscript
 - superscript
 - trademark
 - ulink
- custom
- headfoot
- note

TopLeaf

The screenshot displays the TopLeaf Page Layout application window. The title bar reads "TopLeaf Page Layout - Demonstrations/Introduction/Tutorial". The menu bar includes "File", "Edit", "View", and "Help". The toolbar contains icons for various functions. The main workspace shows a page layout with a yellow background and a dashed red border. A light blue header bar is at the top, and the page number "1" is centered. The right-hand side features a settings panel with the following options:

- Page type: 1 column
- Page Data: Blocks, Options
- Page footnotes: Double-column
- Column gap: 0
- Table headers: All columns, First column, Individual
- Running heads: All columns, First column, Individual
- Running feet: All columns, Last column, None, Individual
- Vertically spread paragraphs: All columns, No columns, Individual

Review

— [What features are important to you?

— Easily modify templates

— Edit intermediate files

— Scripted cleanup of rendered pages

— High throughput

— [Use your real content to test tools

Resources

FrameMaker - www.adobe.com/products/framemaker

DITA-FMx - www.leximation.com/dita-fmx

Styler - amzn.to/2dg5xSN

DITA InPrint - www.ditainprint.com

Flare - www.madcapsoftware.com/products/flare

MiramoPlus - miramo.com/english/overview/dp_download.html

ePublisher - www.webworks.com/Products/ePublisher

TopLeaf - www.turnkey.com.au/dita.html

Scott Prentice <[scott AT leximation.com](mailto:scott@leximation.com)> - www.leximation.com

Feedback



Your opinion is important!

Please tell us what you thought of the lecture. We look forward to your feedback via smartphone or tablet.

**Scan the QR code
or visit the URL:**

<http://ta04.honestly.de>

The feedback tool will be available even after the conference!