

WebX UltraXML™ the industry's most comprehensive and integrated XML publishing application

Fact Sheet

Recommended System Requirements

Platform	Windows Millennium Edition, Windows 2000, Windows NT® 4, or Windows XP
Processor	Intel® Pentium® III processor 500 MHz or higher
Memory	128 MB of Ram or more depending on application
Hard Disk space	40 Mb for application
CD-ROM drive	24x speed or higher
Video card	Capable of displaying 256 colours or higher
Monitor	17" colour monitor or greater
Printer	Adobe® PostScript®, PCL, GDI printer or any Windows compatible
Documentation	English, German, Arabic, Hebrew

User Interface

Interface languages	English, French, German, Arabic, Hebrew
Keyboard	Windows, user definable keys
Menus	Topline main menu and context sensitive right click popup
Property sheet	Access all formatting and typographic settings
Toolbars and buttons	User definable, configurable, placeable, dockable and programmable
Workspace window	Navigation tree for pages, frames, styles, XML, XSL, DTD, text tags, photos, etc. Direct object manipulation from Object manager.
XML workspace window	The user interface for XML operations is located in one of the tabs of the workspace window. Select this tab to get access to 3 sub tabs at the bottom of the window. One for XML, one for DTD and one for XSL.
Code editor	Direct access to view and edit text, text formatting codes and control codes
Main work area	WYSIWYG view and edit
Pasteboard	Multiple pasteboards, user definable size and placement
Rulers	Horizontal and vertical, show columns, tabs, object size and position
Guides	User defined grid, rulers, column guides, page guides, show cursor coordinates
Snap options	User defined column, grid, baseline, angle
Line numbering	User defined, start point, top position, spacing, count
Zoom	Fixed levels and user defined 1% to 9999%, view and edit multiple pages
Hide/Show	Text, graphics, images, grid, rulers, guidelines, etc.

Multi Channel Publishing

Multi-Channel Output	Utilises XSLT technology to format and publish XML data to the Web,
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PDF, hard copies and others. Maintain and manage a single XML data source for all output requirements.

Multiple Stylesheets	Supports the use of any number of stylesheets for a document. The stylesheet tags can be dropped onto the page to give a different view of the XML data. Any of these stylesheets can be used for the HTML channel.
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XML

Import XML	With options to; Use XML Parser, Create XML Style Template, Ignore XSLT and Ignore DTD.
Unicode Support	Full Unicode implementation. Multilingual XML publishing with support for all languages including European, Arabic, Chinese, Russian, Japanese, Hebrew etc. Support for Opentype font tables for ligatures and diacritic positioning etc. Unicode enabled user interface and tag names.
XML Encoding	Import and Export XML as UTF-8, UTF-16, ISO-8859, ISO-646 or ISO-1 UCS-2 encoded XML. Unicode character references supported.
XML Namespaces	XML namespaces are supported allowing prefixes to XML element names when combining content from multiple sources.
Import XSL	With an option to Activate XSL
Import DTD	With an option to Activate DTD
Export XML	With options to write external DTD and XSL
Export HTML	Automatic Generation of XSLT containing HTML formatting instructions.
XML Tree	Automatic construction of the XML tree nodes. Right click on the tree elements for various commands. You can find the position in the XML tree of the current cursor pos by clicking the Find button above the XML tree.
Show / Hide attributes	XML attribute editor can be displayed in a split window by pressing the show / hide attributes button above the XML window.

DTD

DTD Tree	If XML file had a reference to a DTD or a DTD had been import separately, then the active DTD should appear as a tree in the DTD window illustrating the allowable elements and lists for the currently selected element.
Edit DTD	Edit the DTD source code directly in the code editor window.
DTD Designer	Right click on a DTD element to access the DTD editor menu, which provides options to delete DTD elements or insert standard, optional, compulsory or repeatable elements or lists to the DTD. Right click in the DTD attributes tree windows to create new standard, required or fixed attributes or attribute values.
Lock DTD	The DTD can be locked by right clicking on the DTD tag in the tag tree.
Show / Hide Entities	Toggles the DTD entity display window. This displays all the entities and their values that are defined in the DTD.
Show / Hide Attributes	Toggles the DTD attribute window. The attribute window can be used to view, create or edit DTD attribute rules.
Root Element	This button causes the DTD tree to go to the root element of the DTD.

Lock Elements	Any XML element and its child elements in the DTD can be locked. Locked elements can not be edited or deleted. lock icon for each instance of the element in the trees.
Constant Validation	Validate and check for well formedness of XML document automatically.
One-off Validation	Validate as and when required.
Validation Error Window	Splitter window at the bottom of the code editor. The code editor will appear automatically if there is an error and constant validation is switched on.
Jump to Error	You may click on the messages to take you to the error for correction.

Authoring and Editing XML

3D Elements	XML elements are displayed with a 3D pointed block background to visually separate the text content from the XML tags.
Colour Coded XML Editor	XML elements, attributes and comments are displayed in different colours to assist in the authoring / editing process.
Start/End Tag insertion	Automatic insert of start and end tags into the XML stream. If text already selected then the start and end tags will be inserted around it.
Suggest Next Element	Automatic suggestion of elements to insert. Ordered lists from a DTD are taken into account when suggesting the next element.
Select Element(s)	Select element content only; select complete element or select parent element.
Split Elements	Splits the current element into two XML elements.
Join Elements	Joins all the selected elements into a single XML element, using the name of the first element.
Rename Elements	Displays a dialog box asking user to renames the current XML element.
Pretty Print	XML in the code editor can be automatically displayed with one element per line.

Exporting XML

Include DTD	Export the required XML stream and select the DTD to be internal or external to the XML file.
Generate UltraXML XSLT	XSLT file can be generated. The XSLT will include UltraXML formatting instructions
Generate HTML XSLT	HTML XSLT file can be generated. The XSLT will include HTML formatting instructions.

XML options

XML Mode	ON for XML structured document and OFF for non-XML documents.
Default DTD	This is the name of the DTD to use. It is possible to use more than one DTD and to use a different DTD for different frames.
DTD Control Stream	This is the name of the DTD control stream, which contains optional information to enhance DTDs such as names of locked elements.
Inheritance	Inheritance can be switched on or off for compatibility.

XSLT

XSLT definitions	Default XSLT definitions can optionally be created automatically when importing an XML file.
Show current element	Clicking inside the XML will cause the XSLT window to show you the template matches for the current XML element.
Show list of suggestions	A drop down list in the XSLT window shows a list of context sensitive suggestions for your XSLT template match.
Manual XSLT	Manually enter template match XPath definition into the edit box.
Unlimited Template Matches	An unlimited number of template match Xpaths may be defined and maintained per XML element
Template match definitions window	There is a check box to the left of each, which is used to select which template match you want to edit. By default the currently used template matches for the cursor position are automatically selected.
Show currently active template match	An arrow appears beside each template match that is true for the current position in the XML stream.
Active template breaks	The bottom part of the XSLT window shows the breaks for the current template match. These are the commands which are executed for the end tags (or the commands which appear after the command).
XSLT errors	XSLT syntax errors are reported in the Code Editor Message area.
Edit Style	Edit the XSLT definition in the code editor. A right click context menu provides a number of useful XSLT commands to insert such as <code><xsl-value-of select="@att"/></code> or <code><xsl:text></code>
New template from hierarchy	Create a template match for the current hierarchy.
Delete active template	Delete the selected template match.
Templates ON	Define default XSLT definitions for all XML elements.
Templates OFF	Remove all XSLT template matches, so that you can start defining from the ground up.
Generate XSL snapshot	Take a snapshot of the current XSLT situation and store as an XSLT stream. Users can take as many snapshots as required.
Inheritance	A style takes on the attributes of its parent styles, unless they are specifically overridden. Inheritance works up to a level of 64 elements deep in the hierarchy.
Tables	Automatic generation of XML and XSLT for tables. XSLT can be created automatically for a table structure by providing the names of the XML row and column elements.
Import CALS	Extensive support for CALS tables.
Table attributes names	XML attributes will then be used to define the table parameters.
HTML	HTML commands and scripts can be optionally inserted into a style by right clicking in the style definition so that the HTML commands are passed through to the HTML XSLT export.
HTML Image Maps	Images maps can be defined visually by drawing circles, rectangles or polygons over the image and entering a bookmark. These are converted into HTML image maps on conversion to HTML XSLT during export.

Object Editing

Text	Cut, copy, paste, delete, duplicate, split, find and replace, spell check
Graphics	Cut, copy, paste, delete, duplicate, multiple copy, split, group, ungroup, to front, to back, position, stretch, size, rotate, shadow copy, equal split, round corners, curve points, add/delete points
Images	Cut, copy, paste, delete, duplicate, scaling, position, flip, mirror, rotate, reduce/promote colour, greyscale, sharpen, smooth, etc.
Frames	Cut, copy, paste, delete, duplicate,, size, position, group, ungroup, to front, to back

Page Layout

Page size	Standard and user defined sizes, any dimensions, mix sizes within the same document
Frames	Any number per page, resize, rotate, frame rules, avoid, right and left page mode, gap around frame, anchor frame to text
Frame contents	Text, repeat text, graphics and/or image, frame style, line style, allow overmatter, allow bleeds, background colour/gradient fill, margins, frame level widow and orphan control, copy-fit text to frame
Frame vertical justify	Balance columns, justify to bottom
Columns	20 per frame, unlimited frames per page, column gutter, column modes left to right and right to left, column colour
Rules	Inter-column, multiple frame rules, square or round concave/convex corners, user defined radius
Master pages	Multiple underlays and overlays applicable to single and a range of pages
Text flow	Automatic from lower number frame/page to higher number frame/page

Paragraphs

Style tag	Right and left paragraph modes, chained styles
Structure	Normal, indented, outdented, centred, flush right, drop cap, drop word, bullet, size to fit
Text direction	Left to right and right to left
Tabs	Unlimited tabs per paragraph - justified, non-justified, right justified, centred, tab right, tab centred, tab decimal
Tables	User defined, complex rows and columns
Margins	Special top drop, column top, top, bottom, left, right
Break before paragraph	None, column, page, last paragraph, last line, column centre, column bottom, table cell, table row, table end
Break after paragraph	None, column, page, table cell, table row, table end
Paragraph vertical justify	Column top, bottom, centre justify with column top, paragraph top, paragraph interline and paragraph bottom margin, options including minimum/maximum height settings and priorities
Rules	Multiple top, bottom, left, right, square and/or round corners, side rules

Typography

Typeface	TrueType, OpenType and Adobe Type1 font support
Type height	1-9999 points in .01pt increments
Type width	1-9999 points in .01pt increments set in units or as a variable in reference to the type height
Type styles	Bold, italic, bold italic, underline, double underline, strikethrough, overbar, all caps, all lowercase, outline, inverse, superscript, subscript, pseudo bold, pseudo italic (including reverse sheer)
Line spacing	.001pt increments, set in units or as a variable in reference to the type height
Display height	Set type height without affecting other elements based on the type height, such as line spacing
Display width	Set type width without affecting other elements based on the type width, such as word and letter spacing
Vertical shift	Shift paragraph up or down without affecting vertical alignment of previous or following paragraph
Text colour	CMYK, HSB, RGB, Custom
Text background	colour CMYK, HSB, RGB, Custom
Outline	User defined colour, thickness
Gradient fill	User defined start colour, end colour and number of steps
Leader character	User definable
Letterspacing	Basic, squash, stretch
Wordspacing	Basic, squash, stretch
Line justify	On/Off, line limit, justify by letter and/or word spacing, Arabic justification by word spacing or kashida insertion
Hyphenation	English, German, French, etc. 10 levels from least to most strict, exception dictionary, minimum word size, minimum characters before and after hyphen, maximum consecutive hyphens
Kerning	Default and user defined tables, kern before ligatures, adjust global kerning percentages, left, right or both hanging punctuation
Letter space tracking	via kerning table
Word space tracking	via kerning table
Ligatures	Default and user defined using ligature scripting language, access full Unicode character set, right and left languages supported
Accented characters	Multiple levels, full Arabic vowelings, custom Arabic diacritics positioning definable for each character and glyph
Character placement	Horizontal and vertical positioning

Text

Import/Export	ASCII, RTF, Windows, UltraXML™, etc., user definable
Link	Link to external text
Inline graphic	Insert graphic object into the text. Graphic object flows with the text.
Inline image	Insert image into the text. Image flows with the text.

Graphics

Image in Graphic	Add images to a graphic and use graphic tools to place it and edit it.
Text in Graphic	Add text to a graphic, use graphic tools to position and edit, including texture, photo fill and create a mask from text. Convert text to graphic and edit character shapes node by node
Drawing	Rectangle, square, straight line, freehand line, ellipse, circle, graphic text, graphic image, pie chart, Bezier curves
Object	Avoid, fill colour, line colour, line style, text inside or outside, blend, make line, create mask
Anchor	Text to graphics, graphics to text, graphics to position on page
Import	UltraXML™, WMF, MAC Pict, DXF, HPGL, GEM

Images

Scan/Link	Acquire image into frame, link to external file/original file
Import/Export	GIF, JPEG, TIFF, EPS, etc. 45 formats in all
Effects	Blur, motion blur, diffuse, add noise, pixelate, posterize, emboss, stitch, spotlight, twist, texture, watermark, blend, etc.
Clipping paths	Photoshop EPS clipping path support

Colour

Types	Spot colour, process colour, overprint
Space	CYMK, RGB, HSB, HKS, user defined

Document

Automatic formatting	Table of contents, index, footnotes, sidenotes, chapter headings, running headers, cross references, headers/footers, page numbering, etc.
Automatic counting	Page, paragraph, chapter, illustration, figures and other auto numbering using many numbering methods, Roman numerals, Arabic numerals, letters, etc., upper/lower case conversions, and more.
Automatic text	Static and dynamic date, filename, path and filename, etc.
Spell checking	User definable spelling preferences
Macros	Use command macros directly. Create external macro scripts to automatically process character and command conversions, consistent changes and other tasks.

Printing

Options	Scaling, tiling, negative, wrong reading, crop marks, colour bars, process and/or spot colour separations, output draft or original linked images, Type 1 fonts, Type 3 fonts, OPI comments, etc.
Output	Postscript direct, EPSF, TIFF, Windows printers, HTML