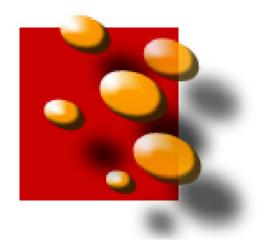
Introduction to Topologi Professional Edition



Overview

Congratulations on purchasing Topologi Professional Edition. This document introduces the features and parts of Topologi.

A Solution for Publishing

Topologi Professional Edition helps industrial publishers create, maintain and manage

- XML, SGML and HTML documents,
- Image, video and audio, and
- Service-Oriented Architecture publishing systems.

Quality

Topologi Professional Edition has been designed to help you achieve the highest quality:

- Direct access to markup and metadata
- Validation of markup and graphics
- Term-markup checking and spell checking
- Whitespace manipulation

Performance

Topologi Professional Edition has been designed for performance:

- Handle documents with more than one million lines;
- Super-fast search-and-replace;
- Operate on multiple files.

Growth

Topologi Professional Edition is a standalone application but is designed to grow:

- Connection to remote services for easy integration;
- Plug-ins scripts using full Unicode-based Java API allows extension;
- Built-in peer-to-peer networking allows messaging and screenshots.

Topologi Professional Edition has a tabbed interface. Each of the tabs is either

- a text file (such as an XML document) open in a Markup Editor,
- media preview, or
- tree information (such as a listing of files and directories) open in a TreeWorld Browser.

Markup Editor

The Markup Editor is designed for all stages of an XML or SGML document's life: entry, import, markup, correction, conversion, proofing and tweaking:

- User-definable Marker Pens for efficient and convenient markup;
- Keyboard shortcuts for efficient data entry;
- Instant visual feedback on syntax errors;
- Grey-out markup to proof-read data content
- Unique markup-aware copy and paste operations
- Complete validation, search and spell-checking features
- Character menu for direct entry of special characters

Media Browser

The Media Browser provides viewing, validation and metadata for dozens of common media formats: text, images, video, animation, virtual reality, audio and music. EXIF camera metadata, JPEG validation and multi-page TIFF images are supported.

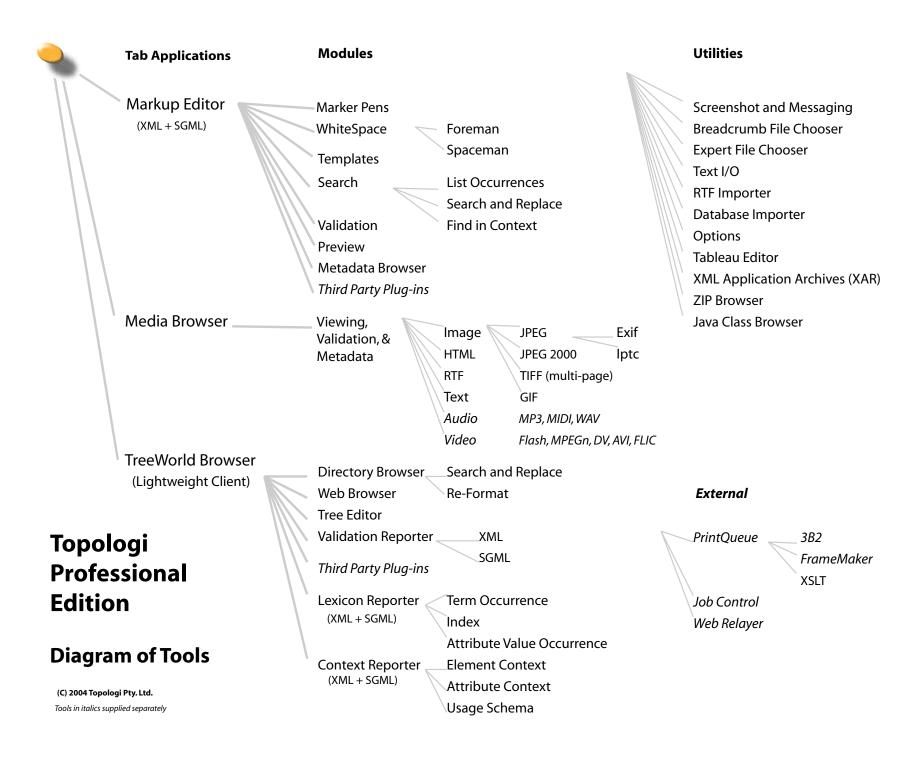
XML & SGML Reports

- Comprehensive Reports on validity and tag usage in XML & SGML documents
- Search for strings and elements-in-context
- Operations on multiple files such as indexing, search-and-replace,

TreeWorld Browser & Services

The TreeWorld Browser navigate and connects any kind of tree information: listings of file systems, XML documents and elements, the results of reporting tools, and even external databases. You can browse, search, sort and view data, and interact with external web services. Instead of one application to talk to your job control system, another to list files, another to view graphics, another to validate, another to edit and another to perform batch processing, the TreeWorld Browser lets do it all with a single, straight-forward user interface.

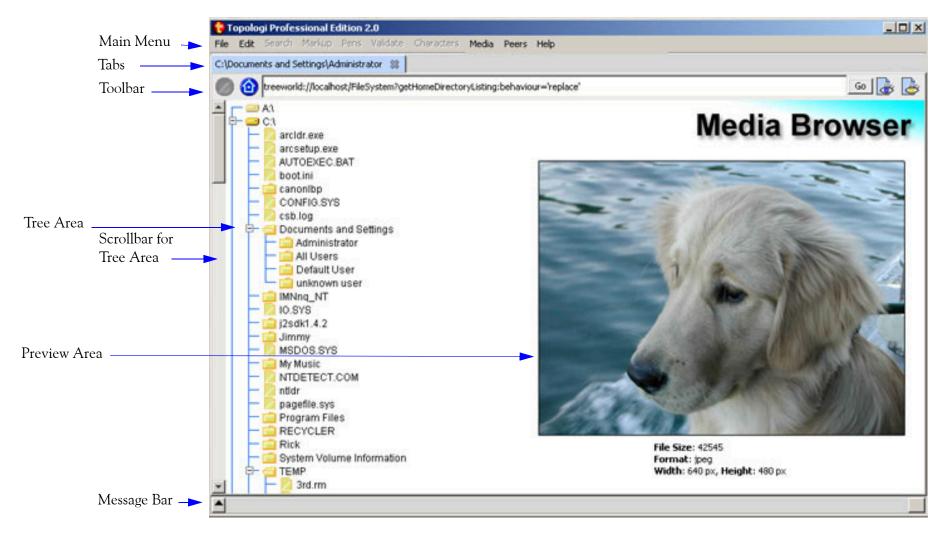
The next page is a diagram of the major tools available in Topologi Professional Edition.



Browse Files

Navigate through your file system and preview, delete or rename files:

- Text, XML, SGML, HTML, RTF
- JPEG, JPEG2000, GIF, multi-page TIFF, PNG
- Video, Audio, Animation, Music (requires Apple QuickTime for Java)

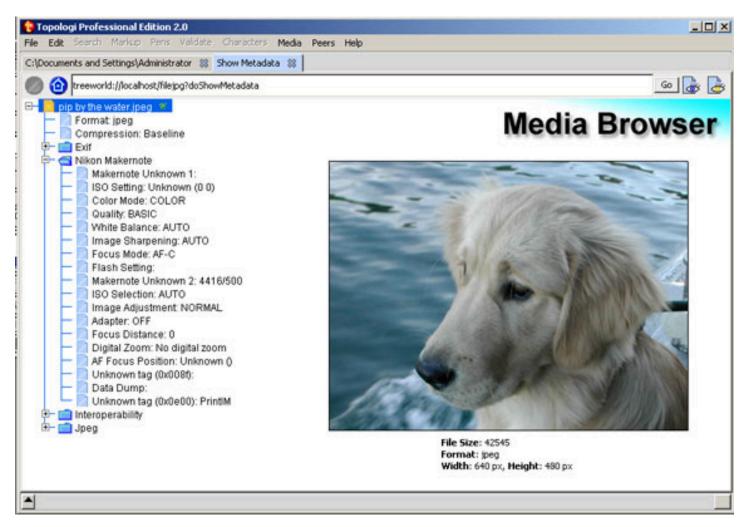


Right click on an item in the Tree Area to view the actions available.

See Metadata

As well as basic file and format information, see

- EXIF camera metadata
- IPTC press metadata
- GPS geographic position metadata

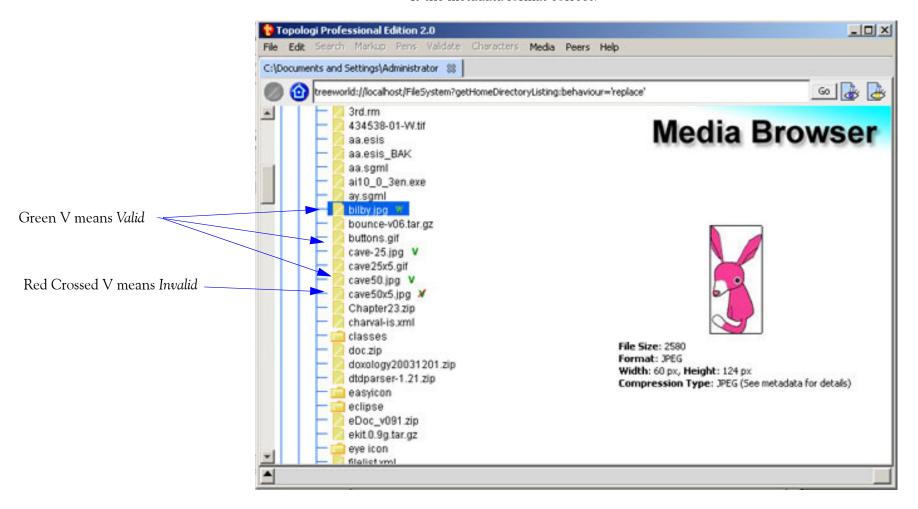


Right-click on a JPEG or TIFF image and select View Metadata

Check Images

Check one or more images for validty

- Does the extension match the format?
- Is the file not zero-sized?
- Can the file be loaded?
- Is the metadata format correct?

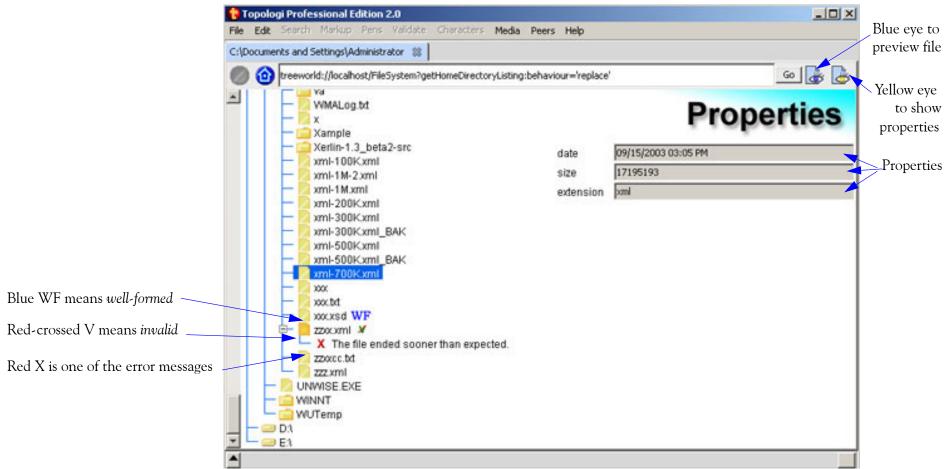


Select one or more TIFFs or JPEGs, then right-click and select Validate

Check Markup

Check the markup in multiple documents:

- Check XML documents for well-formedness or DTD validity
- Check SGML documents for DTD validity: set other files as the SGML declaration and DOCTYPE declaration
- Check SGML and XML documents against sampled Schematron usage schemas



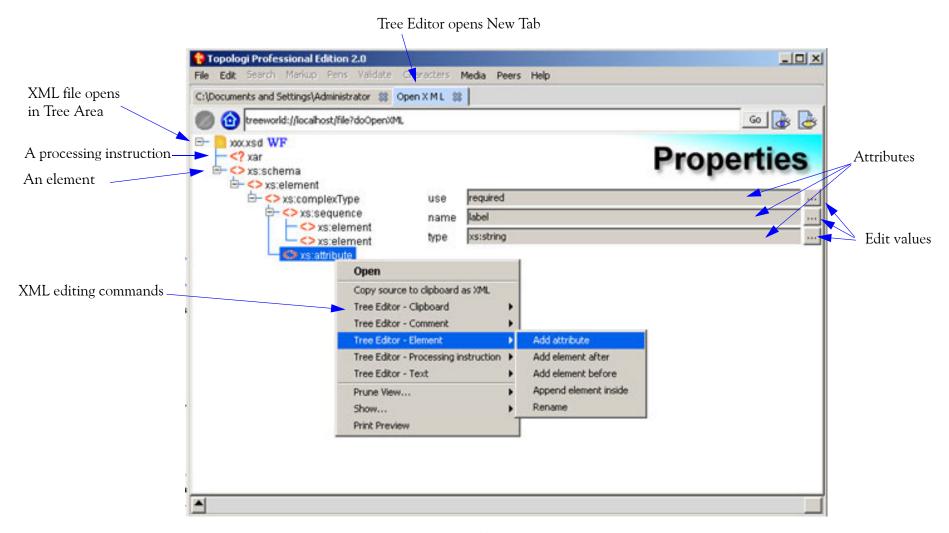
Select one or more SGML or XML files, then right-click and select Validate

Select an error, right click and select *Open In Markup Editor* to be taken to the location of the error in the built-in Markup Editor.

Tree-Edit XML

Edit XML files with the convenient built-in Tree Editor or in the powerful Markup Editor

- Generic actions for any document
- Context-specific editor actions created from DTD (requires free configuration tool)

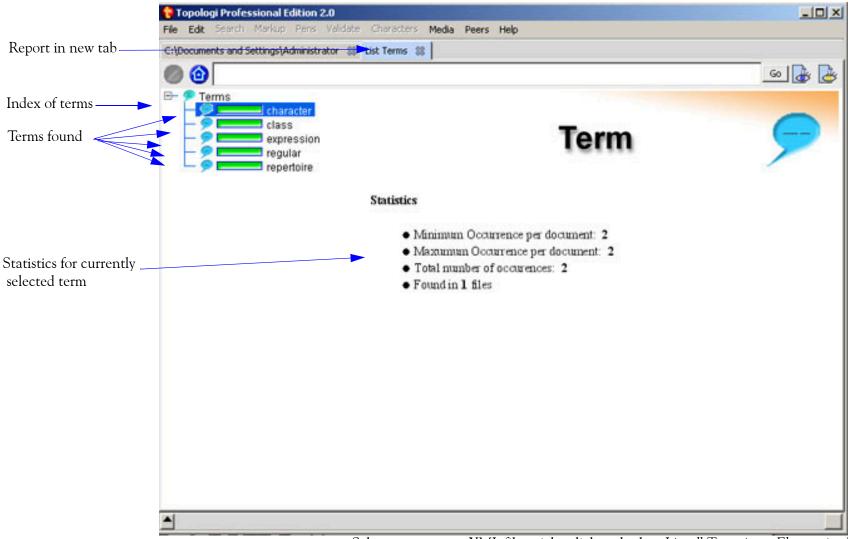


Select an XML file, right-click and select Open in Tree Editor

Report Terms

Examine XML documents to check that terms have been correctly marked:

- Create index of all terms in documents, or just in particular elements or attributes
- Find documents where that term has not been marked up in the elements you expect
- See statistics on term occurrences in context by file

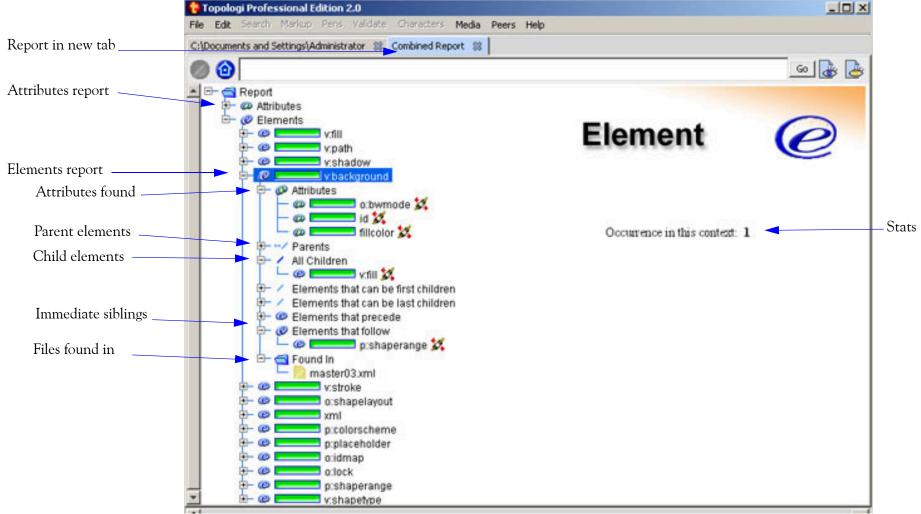


Select one or more XML files, right-click and select List all Terms in an Element in the Lexical Reporter section

Report Usage

Sample sets of XML or SGML documents to find how elements and attributes have been used:

- Context Report shows parents, children (first, middle, last), attributes, and following siblings of every element and attribute
- Attribute Report shows all unique attribute values and occurrence statistics
- Path Report shows full XPaths of every element and attribute in context
- Tag Report shows which start- or end-tags follow and precede the current element

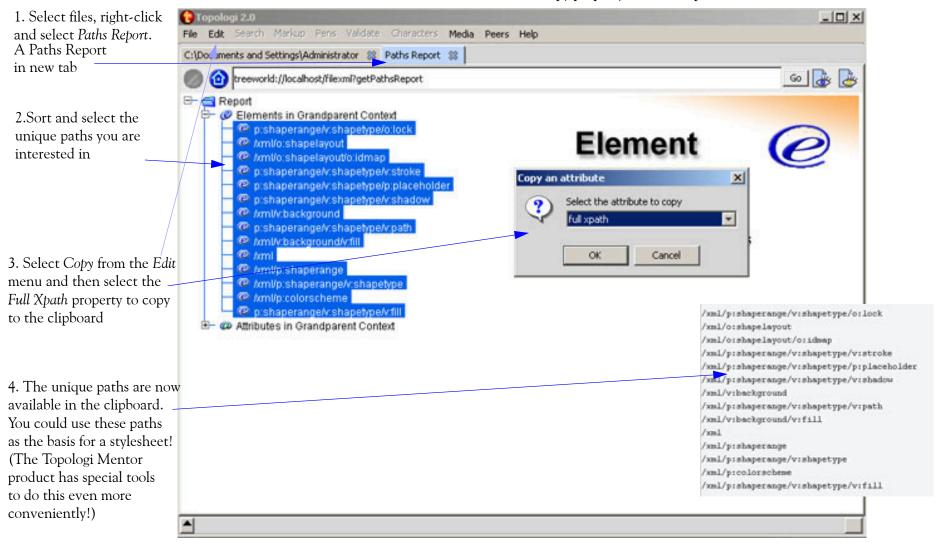


Select XML or SGML files, the right-click and select from the reports in Structure Reports

Get All Paths

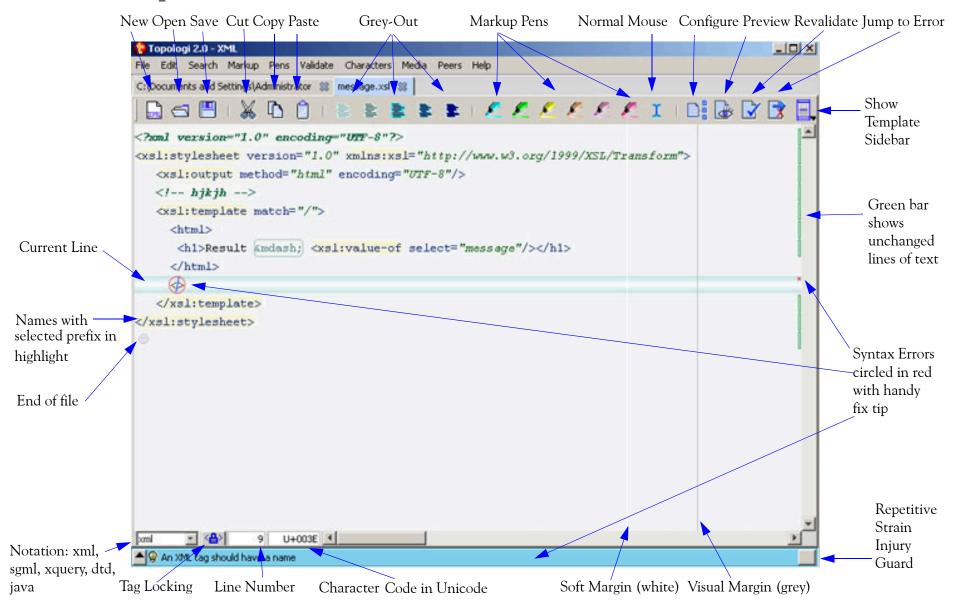
All items in any tree in the Tree Area can be:

- sorted
- hidden from view (pruned)
- displayed in a new tab
- cut whole branch (as XML) onto the clipboard for later use
- select similar items and copy property value to clipboard for later use

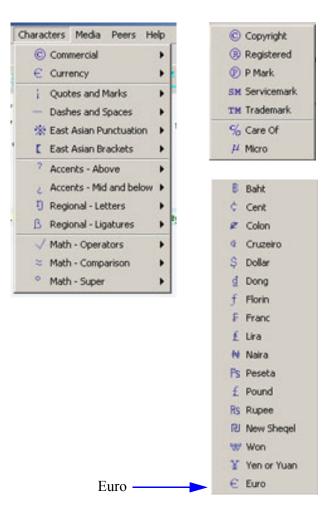


Markup Editor

The built-in Markup Editor is a tag-aware text editor.



Special Characters

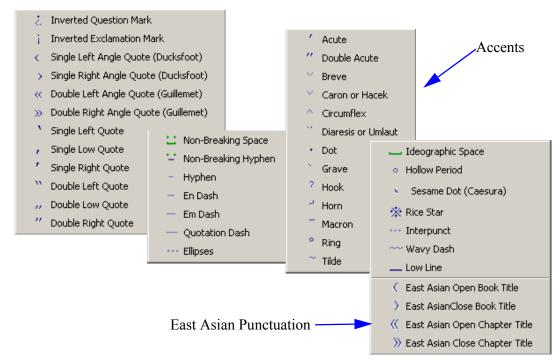


The Topologi Professional Edition uses the Unicode character standard and supports most Western and Eastern characters. Special characters can be entered by:

- the native input method (IME) of your computer to type the character
- special Java IMEs
- importing files in other encodings
- selecting a character from the Characters menu
- entering the Unicode number for the character in the Character Code box at the bottom left of the Markup Editor.
- cut and paste from other applications, such as the *Character Map* accessory found on most computers.

As well, special characters can be entered indirectly in XML and SGML using numeric character references or ISO entity references. The Template Sidebar provides support for entering entity references.

The *Characters* menu provides direct input of publishing, commercial and regional Latin characters. It has menu items for accents: first type the character you want to accent, then select the appropriate accent(s).



Shortcut Keys A full set of shortcut keys is available, following familiar Windows, CUA and other conventions

Key	Function	Shift- Function	Ctrl- Function	Ctrl-Shift- Function	
Back- space	Delete previous character		Delete previous word		
DEL	Delete character		Delete word		
HOME	Move to start of line	Select to Move to start of line file		Select to start of file	
END	Move to end of line	Select to end of line	Move to end of file	Select to end of file	
Left	Move to previous character	Select previous character	Move to previous word	Select previous word	
Right	Move to next character	Select next character	Move to next word	Select next word	
Up	Move up one line	Select line up		Scroll up	
Down	Move down one line	Select next line		Scroll down	

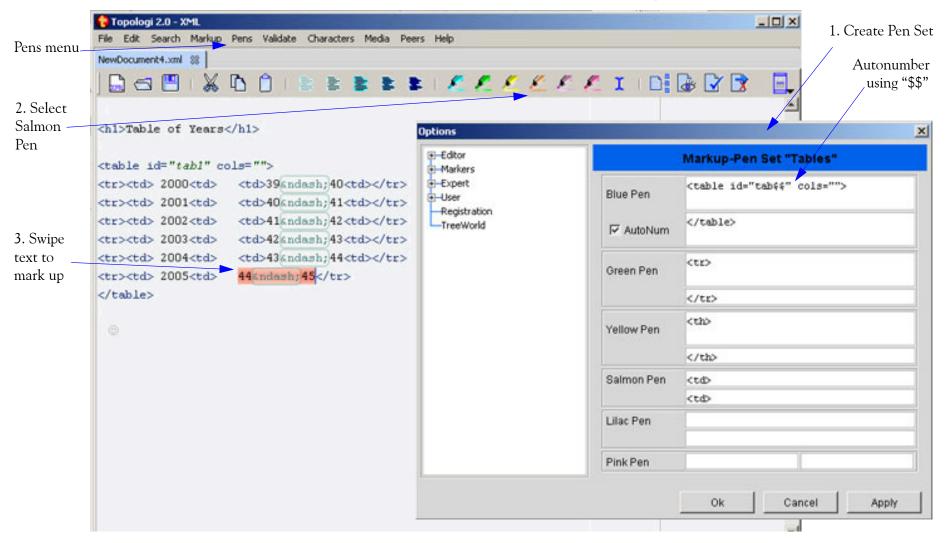
Key	Function	Key	Function	
ESC	Close element	Ctrl-a	Select All	
Ctrl-\	Split element	Ctrl-c	Сору	
Ctrl-b	Break, wrap and indent line	Ctrl-f	Find	
Ctrl-j	Paste, removing data content	Ctrl-g	Find again	
Ctrl-k	Paste, removing data content and attribute values	Ctrl-n	New (XML)	
Ctrl-l	Multiline paste	Ctrl-o	Open	
Crtl-w	Validate	Ctrl-p	Print	
Ctrl-INSERT	Сору	Ctrl-q	Quit	
Shift-INSERT	Paste	Ctrl-r	Redo	
Shift-DELETE	Cut	Ctrl-s	Save	
<, , <?, &</td <td>Select Template tab for element, comment, PI, entity</td> <td>Ctrl-Shift-S</td> <td>Save As</td>	Select Template tab for element, comment, PI, entity	Ctrl-Shift-S	Save As	
Ctrl-Space	Reveal the Template Sidebar	Ctrl-t	New (text)	
Ctrl-Enter	Insert Template	Ctrl-v	Paste	
Ctrl-Up-arrow	Moveup template list	Ctrl-x	Cut	
Ctrl-Down-arrow	Move down template list	Ctrl-z	Undo	

Key	Function	Key	Function	Key	Function	Key	Function	Key	Function	Key	Function
F1	Help	F2	Find	F3	Save As	F4	Open	F5	Print	F6	Next
F7	Break	F8	Trim	Shift-F3	Save	Shft-F4	New	F11	Jump	F12	Save As
Ctrl-F4	Close	Alt-F4	Quit	Ctrl-F9	Light	Ctrl-F10	Normal	Ctrl-F11	Bright	Shift-F12	Save

Pens

Markup of terms and paragraphs is most efficient using the mouse:

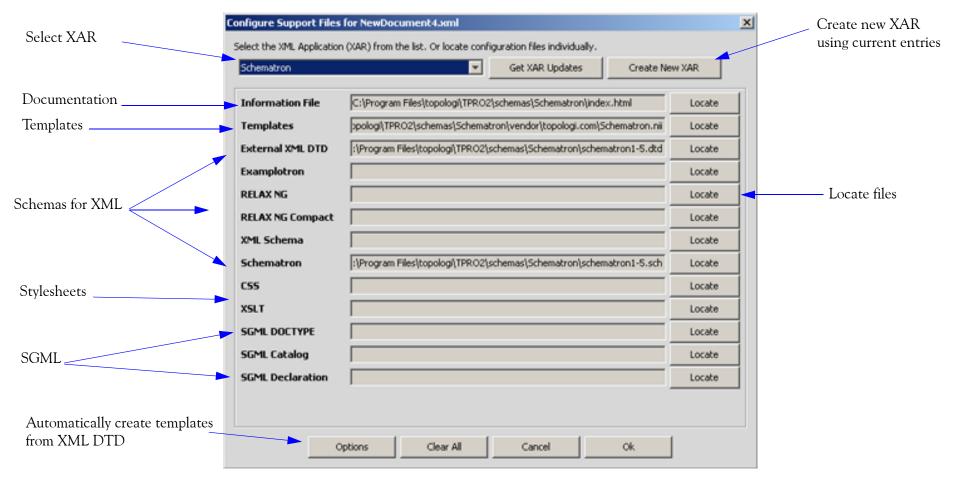
- Associate start and end text with Markup Pens
- Select a pen, swipe text, and that text is wrapped by the start and end text
- ID numbers can be automatically generated and incremented
- Switch better pens sets for different structures
- Rectangular selections & multi-line markup available (hold control key down)



Configuration

The Topologi Professional Edition does not require any configuration to open and edit files. For more power, a single form lets you configure:

- schemas (DTDs, Schematron, RELAX NG, W3C XML Schema, Examplotron)
- preview stylesheets (XSLT, CSS)
- catalog files
- sidebar templates
- HTML documentation



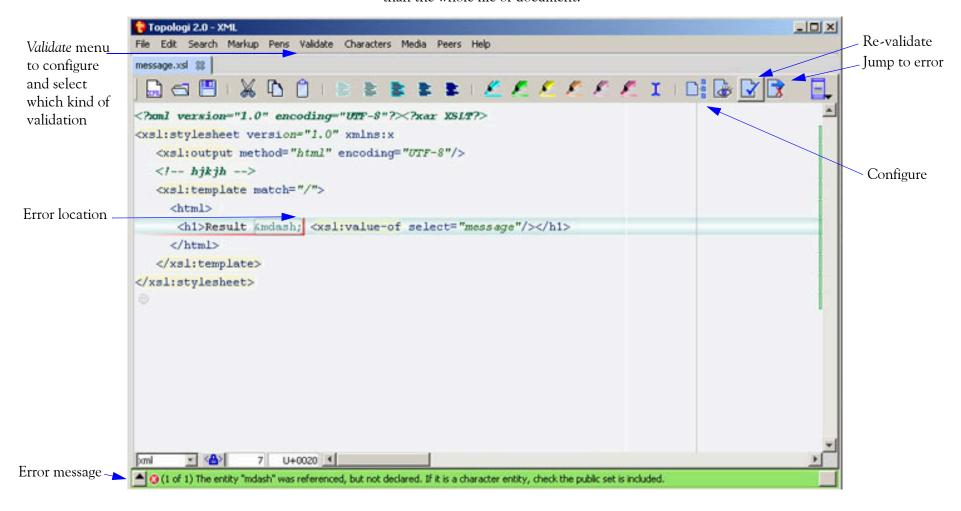
Convenient XAR (XML Application Archives) bundle different configuration files together. Select an XAR or fill in forms data individually. A *Usage Schema* created by sampling documents can be selected as the Schematron schema.

Progressive Validation

Check the correctness of your XML document in stages, from raw text to fully marked-up:

- Delimiters correct
- Well-formed
- Feasible elements (incomplete contents)
- Valid (DTD, schema)
- Schematron valid

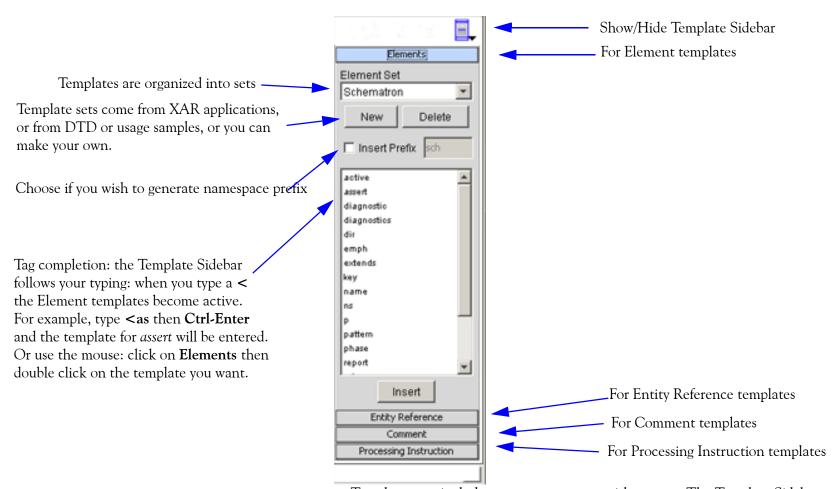
The Markup Editor provides instant feedback on delimiter errors with red circles and helpful hints. When a fragment is selected, the Markup Editor will attempt to validate just that rather than the whole file or document.



Templates

Tag completion and faster data entry: Topologi Professional Edition allows templates sets for

- elements
- entity references
- processing instructions
- comments

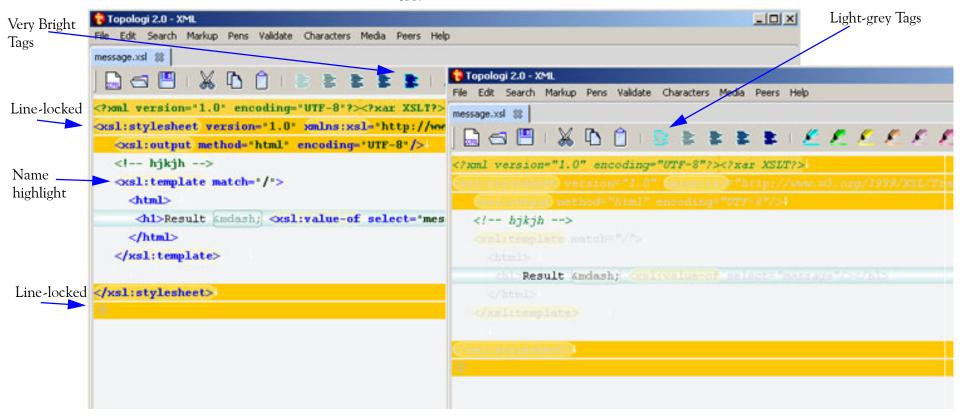


Templates can include any text, even text without tags. The Template Sidebar tracks your keyboarding: if you type <, <?, <!--, or & the sidebar will attempt to match the next characters you type with names of element, PI, comment or entity reference templates, respectively. You can type an XML Namespace-style prefix to select a particular set.

Visual Aids

Topologi Professional Edition has four special features to help you edit:

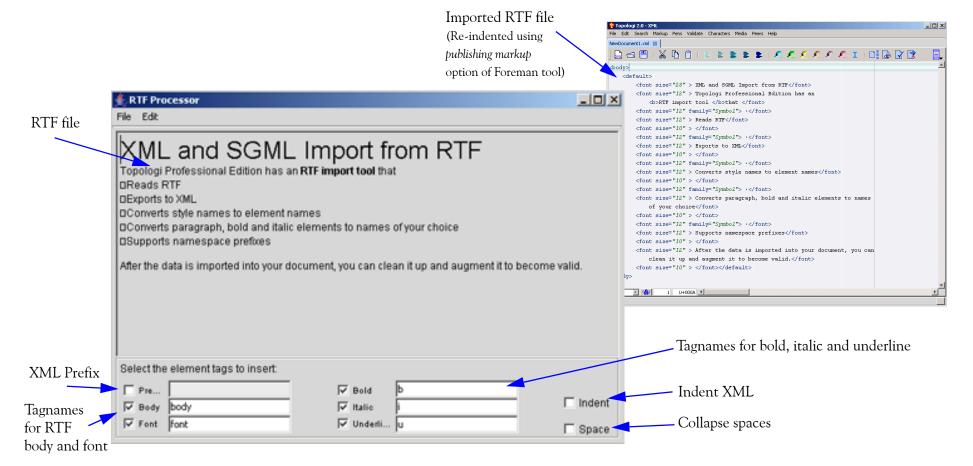
- *Grey-out* buttons provide five preset levels of contrast and colour: these range from *light-grey*, where tags are almost completely invisible to allow proofreading, to *very bright*, where tags are bold and in strong colours. Select the appropriate level of colouring to suit your tasks, eyes and screen.
- *Line-locking* marks a region at the top and bottom with an orange highlight, and prevents editing operations in those arease. This is very useful for large and repetitive files, to make sure you do not overrun the section your are working on.
- *Name-highlighting* draws a mild yellow hightlight behind element and attribute names that start with a string you provide: for example, "xslt:" would highlight XSLT elements but not HTML elements in an XSLT script.
- *User Preferences* supports variou accessibility options, such as changing colors, fonts, font sizes, and anti-aliasing. You can change font size using your mouse wheel and the control key too.



Import RTF

The RTF import tool lets you:

- Read an RTF file
- Make simple editing corrections
- Convert the RTF text to XML, with custom names, prefixes and indentation

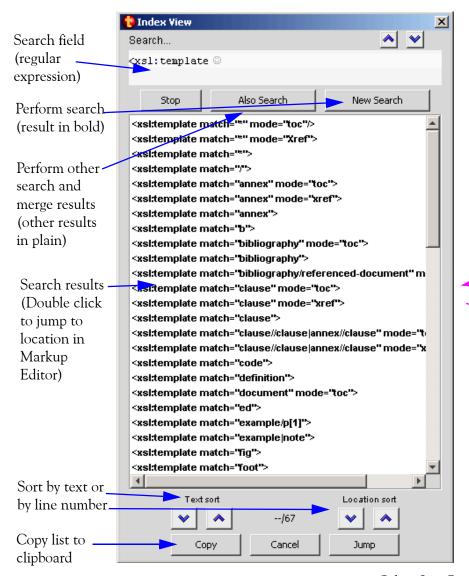


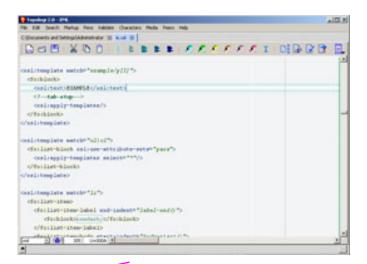
Select Import from RTF from the Import menu in the Markup menu.

Note: RTF is not a stuctured format and different applications generate very different kinds of RTF: visual structures apparant to the eye such as tables may not translate to useful markup.

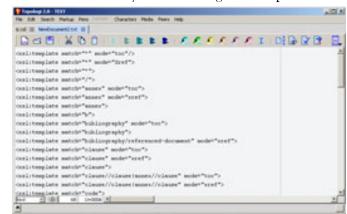
Quick Indexes

Quick indexes are useful for navigation (even through non-well-formed documents), searches, and report or index generation. Validation results can be displayed in the List Viewer.





- 1. Search XSLT document for all xs:template
- 2. Sort by text
- 3. Copy to clipboard
- 4. Paste into editor: you now can see whether you are missing some important case



Select List Occurrences from the Searchmenu