

Xoterm 1.0.4

A TMX viewer for MacOSX

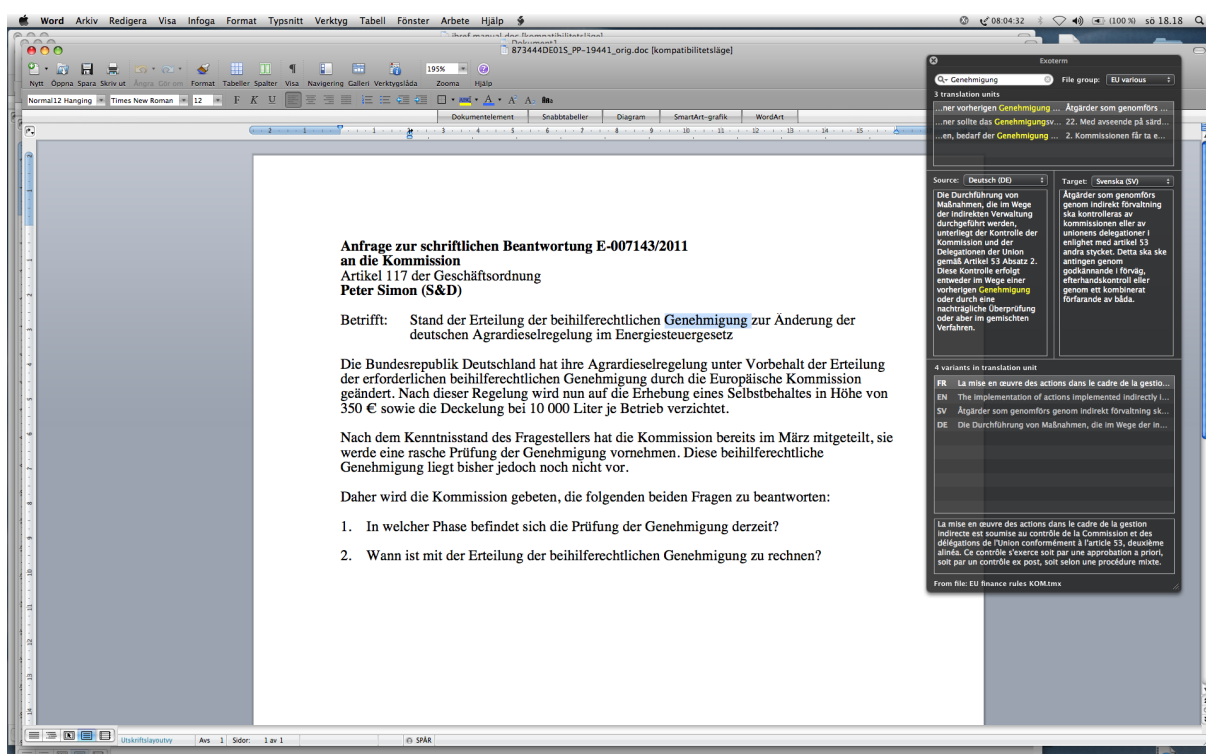
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Latest version: jfbraun.com/xoterm

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Pricing: **Shareware, USD 25.00** (PayPal to account joakim.braun@jfbraun.com)

Xoterm's TMX panel floats on top of text editors such as Microsoft Word.



1. What is Xoterm?

Xoterm is a reference tool for translators – a small application for viewing and searching TMX files (translation memories) on MacOSX. Xoterm displays a floating panel on top of other applications and integrates with Microsoft Word and other text editors for seamless terminology support.

If you're a translator who works with technical or other structured documents where terms and phrases reoccur regularly and translation memories are useful, this application may be for you.

2. What are TMX files?

TMX (Translation Memory Exchange) is an industry-standard XML format for multilingual translation memories. Typically, such files contain identical text in two or more languages, segmented into "translation units" (short text sections). Most CAT tools will import and export TMX files.

For more information about the TMX format, see www.lisa.org/fileadmin/standards/tmx1.4/tmx.htm.

3. Can I use translation memories from my favorite CAT tool?

Yes – if your CAT tool provides TMX export capabilities. Most do.

4. Can I edit or export TMX files with Xoterm?

No, Xoterm is intended as a simple, easy-to-use reference tool. Adding editing capabilities would require a much more complex user interface, and a much steeper learning curve.

However, watch for **TMXX**, a full-featured TMX editor for MacOSX, in the fall of 2011.

Translation units and their variants can, however, be copied in a spreadsheet-friendly tabbed text format.

5. Does Xoterm read XLIFF files?

No. Currently, Xoterm reads TMX files only. The ability to read XLIFF tops the "to do" list.

6. Which text editors are supported?

Xoterm is a standalone TMX viewer, quite functional on its own. However, when triggered by a user-defined shortcut, Xoterm can access selected text from other applications, and use it as a search term.

Xoterm can access selected text in any application with the following methods:

- If the text editor supports MacOSX's **Accessibility** technology, and if Accessibility is enabled in the System preferences, Xoterm can access selected text seamlessly.
- If the text editor is **Microsoft Word**, Xoterm accesses selected text through a built-in AppleScript. (*Tested on Microsoft Office Mac 2008.*)
- For other applications, a "service menu item" is provided. For technical reasons this service cannot be triggered by a keyboard shortcut – you'll have to select it manually.
- If you're interested in making Xoterm work with a particular application, please contact me and perhaps it will be supported in an upcoming version.

For more information about Accessibility, see www.apple.com/accessibility/macosx/vision.html.

7. Can I open multiple TMX windows?

No. Xoterm would then become similar to a document-based application, with the added complexity this entails. (I may reconsider this depending on user feedback.)

8. Can I filter or search for all TMX metadata?

No, this typically wouldn't be very useful for everyday translation work. Again, the goal is to keep the user interface as simple as possible. The complete TMX specification is a quite complex format.

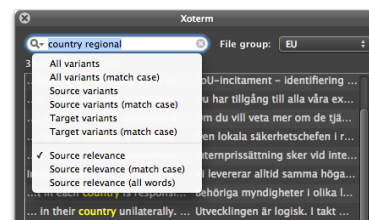
9. How about ranked relevance search?

This is available by selecting one of the three **relevance search modes** at the bottom of the search mode menu in the search field (*right*).

Words shorter than a certain limit are ignored (the limit is set in the preferences dialog, see page 5). Variants that match the search term exactly as a phrase are at the top of the search results. **This type of search can be quite slow.**

Relevance search is available in these flavors:

- **Source relevance:** Case-insensitive, word-based search of source language variants, ranked by the number of unique words matched.
- **Source relevance (match case):** As above, but case sensitive.
- **Source relevance (all words):** Case-insensitive, word-based search as above, but search hits must contain *all the words* of the search term.



Options for Relevance search at bottom of the search mode menu.

10. How about fuzzy matches, concordance, spell checking, etc, etc...?

No.

11. Why doesn't Xoterm show up in the dock/the Application switcher?

Because it's a "status menu item" (LSUIElement) application and doesn't have a main menu bar. Apple doesn't want such applications to show up in the dock or the Application switcher.

12. Is Xoterm free?

Xoterm is a tool for professionals. You won't use it unless it saves you time and money. Please encourage further development by making a contribution of **USD 25.00** to PayPal account joakim.braun@jfbraun.com.

13. Where do I report bugs and make suggestions?

E-mail me at joakim.braun@jfbraun.com.

14. Acknowledgements

Transparent controls from Brandon Walkin's excellent **BWToolkit** library (brandonwalkin.com/bwtoolkit).

15. Version history

1.0a	July 18, 2011	First release.
1.0.1	August 12, 2011	Added TMX panel collapsibility. Xoterm now activates before showing alerts. Added "Open file in Finder" command. TMX panel handles "first mouse-down" (don't ask!).
1.0.2	August 12, 2011	Fixed hang when "search while typing" was on. Collapsed TMX panel uncollapses when hotkey is triggered. Added target variant search in search field options. More copy options in translation unit table context menu.
1.0.3	August 16, 2011	Fixed crasher in Lion. Fixed malfunctions if TMX file lacked a header element. Improved error messages.
1.0.4	September 2, 2011	Added ranked word relevance search options. Added default source and target languages. Improved search term highlighting. Added duplication command for TMX file groups. Clears search field when opening new file groups. Files open a bit faster.

16. Known issues

When uncollapsing TMX panel, window corners are opaque until window is resized.
Large TMX files open too slowly.
TMX panel position remembered wrongly if quitting Xoterm when panel is collapsed.
Highlighted search terms in table do not quite reflect scope of search.

TMX Panel

Note: Every TMX file consists of multiple *translation units* (text segments).
Every translation unit contains multiple *variants* (versions of the segment text in different languages).

Search mode menu

To select a search mode, use the black triangle here to display a menu.

Search field

Enter search term here.

Translation units

Containing the search term.
Source text on the left side,
target text on the right side.

Source language button

Translation unit variants
to display in the left
section of the panel.

Source language text

Text of the translation unit
variant of the source language.

All variants

All available language versions
of the text of the selected
translation unit.

Selected variant text

Text of the selected
language variant.

Miniaturize button

By default this miniaturizes the panel (*in this case, option-click to collapse it to the title bar!*).
It can also be configured to collapse the panel to the title bar (*if so, option-click to miniaturize it!*).

TMX file group

User-configurable list
of TMX files to load and
search in.

Target language button

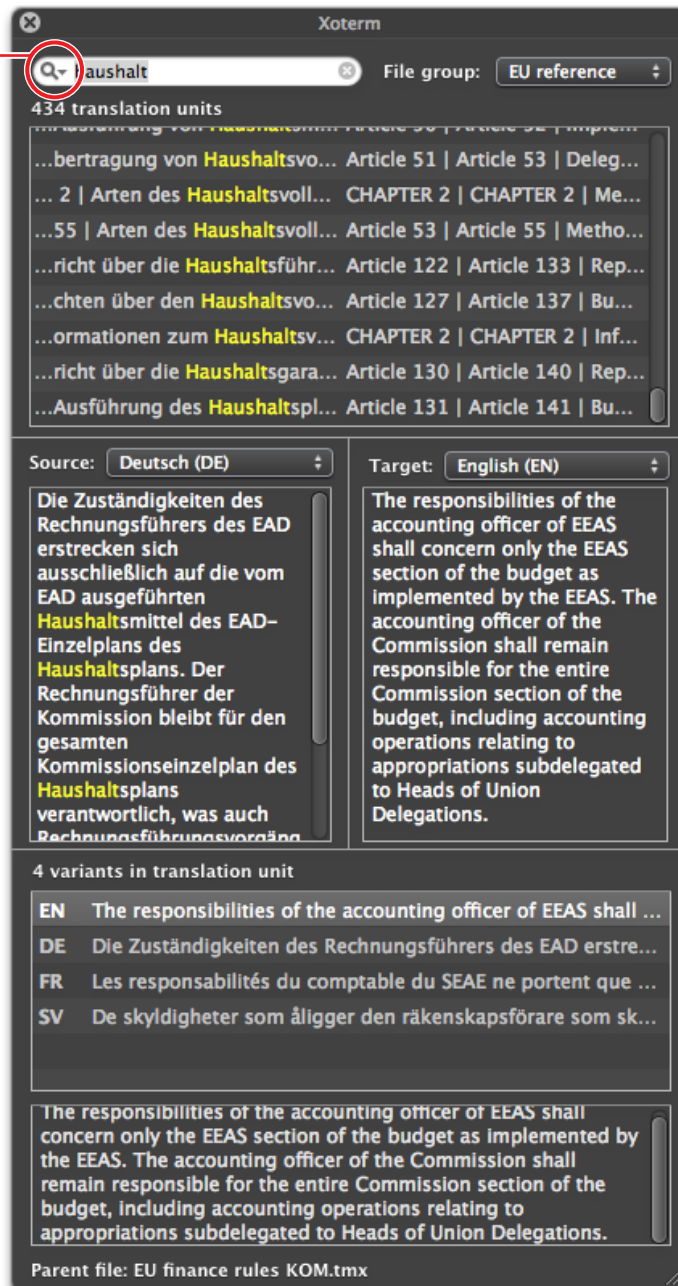
Translation unit variants
to display in the right section
of the panel.

Target language text

Text of the translation unit
variant of the target language.

Drag-and-drop to add TMX files to the panel!

The panel loads the TMX files defined for each file group in the Preferences. To use TMX files that are not in the TMX file group, simply **drop them on the panel from Finder**. Their TMX content will be added to existing content. (*Press **Shift** while dragging to clear existing TMX content before loading the dropped file*).



Parent file

A TMX file group consists of multiple files, so the displayed translation units may originate from different parent files. This label indicates the selected translation unit's parent file. (*Right-click to show a context menu for revealing and opening that file in Finder!*).

Preferences dialog

The screenshot shows the Xoterm preferences dialog with several sections. A red box highlights the 'TMX file groups' section, which contains a list of groups (EU, Business) and a 'File group settings' panel for the selected group. The 'File group settings' panel includes a 'Name' field, a list of 'TMX files' (e.g., 'Macintosh HD/Användare/joakimbraun/D...TMX preparation/EU finance rules KOM.tmx'), and a '+ button' to add new files. A red arrow points to the '+ button' with the text: 'Add TMX files by dropping them onto this table from Finder, or use the + button'. Another red arrow points to the '+ button' with the text: 'Use the + button to add a new TMX file, or drag-and-drop TMX files onto the table from Finder.' The 'Hotkeys' section includes options for 'Update search term', 'Show panel if hidden', and 'Display TMX panel'. The 'Default languages' section includes options for 'Attempt to set source and target languages', 'Default source language', and 'Default target language'. The 'TMX panel behavior' section includes options for 'Hide panel on application switch', 'Search while typing', 'Activate Xoterm when displaying panel', and 'Focus search field when redisplaying panel'. The 'Text size' section includes a text size field set to 12 points. The 'Minimum word size for relevance search' section includes a field set to 4 characters.

TMX file groups
The TMX files in each group are loaded into the TMX panel and searched as a group. This is useful for managing different types of translation jobs.

Adding TMX files
Use the **+** button to add a new TMX file, or **drag-and-drop** TMX files onto the table from Finder.

Open panel on launch

Whether the TMX panel should be displayed once Xoterm has started.

Warn on launch if Accessibility is disabled

“Accessibility” is the built-in MacOS technology for assistive technologies. Xoterm uses Accessibility to access selected text in other applications as search terms. If Accessibility is disabled, a warning will be shown when Xoterm launches, if this box is checked.

Hide panel on application switch

Typically, a translator works in a single word processor and the TMX panel is useless in other applications. If this box is checked, the panel is automatically hidden when other applications become active.

Whenever the TMX panel is displayed (triggered by a hotkey), Xoterm remembers the active application at that point and hides the TMX panel when other applications become active (frontmost).

Search while typing

Whether the TMX panel should filter the translation memories as you type, or when return key is pressed.

Activate Xoterm when displaying panel

Whether Xoterm should activate when the TMX panel is displayed. In this case, keyboard focus shifts from the active application (your text editor) to the search field of the TMX panel. If this box is unchecked, you’ll need to click on the TMX panel to type in the search field.

Focus search field when displaying panel

Whether Xoterm should move latent keyboard focus to the search field when the TMX panel is shown. Focus doesn’t actually shift until Xoterm is activated (by clicking on the TMX panel).

Text size

The size, in points, of text in the TMX panel.

Preferences dialog, *contd.*

Miniaturize button behavior

This button, at top left of the TMX panel, can either miniaturize it (default) or collapse it to the title bar.

Minimum word size for relevance search

Relevance search works by matching words one by one. This is hard work for the operating system. Set a longer minimum size for faster searches. Words shorter than the minimum length will be ignored.

Hotkey for “Update search term”

The global keyboard shortcut to press to update the search term to the selected text of the active application.

Show panel if hidden

Whether to automatically display the TMX panel when updating the search term.

Use pasteboard if selected text is inaccessible

Xoterm attempts to access selected text in other applications using several methods. If they fail, this setting enables Xoterm to use the pasteboard (clipboard) contents instead. This can be useful if you are using a text editor that doesn't support Accessibility.

Hotkey for “Display TMX panel”

Toggles TMX panel visibility, without updating the search term.

Attempt to set source and target languages

When a file group has finished loading, attempt to set favorite source and target languages in the TMX panel. This updates the TMX panel display saves a few annoying clicks.

Default source language

The source language to attempt to set when a file group has finished loading. If the file group does not contain any variants with this language, this setting has no effect.

Default target language

The target language to attempt to set when a file group has finished loading. If the file group does not contain any variants with this language, this setting has no effect.