

Glossarium

Name: Glossarium
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Table of Contents

Description
Using Glossarium
Configuration
Data Format
Data Entry
Viewing Data
Known Issues
Release Notes
Support



DESCRIPTION

Glossarium (from the Latin for "glossary") is a macro that manages references like glossaries that have:

- 1) a short descriptive key term
- 2) a longer, free-form description
- 3) a category code

Keys can be multiple words and even short sentences.

Descriptions can be several paragraphs that can be formatted using HTML and include images using the HTML image tag.

Category codes are unique single letters that are treated as uppercase.

The reference or data file is a plain text file using a simple data format to distinguish the three data types for any particular item.

You can easily create these references yourself either from scratch with any text editor or using Glossarium's **Add an Entry** data entry option.

Glossarium's data format is simple enough that you can convert most Web glossaries with just a few search-and-replace commands in a text editor. And you can consolidate multiple Web sources into one data file. No need to impose any sort of order on the data file.

From Glossarium's popup menu, you can add to the data file, find a description, search the data file for any word or phrase and list the data file entries by category.

In short, Glossarium turns a simple text file into a database without requiring you to master data entry, sorting or retrieval commands.

USING GLOSSARIUM

Glossarium can handle multiple glossaries. Just add their specifics to the green action at the top. When launched, the macro will prompt you for the glossary you want to explore if it has more than one glossary listed in the green action.

You will then be presented with a small window and popup list with options to search the glossary for individual entries, search full text, list categories or add a listing.

Results are displayed in their own window.

Closing that window, reopens the search window. Above are examples of a search for the term 'Microfocus Adjustment' and for a Full Text Search for 'sensor.'

While the Full Text Search allows regexes, the simple popup search for a term is literal, as you would expect.

Cancel the search window to exit the macro.

CONFIGURATION

To use your own data file and categories with Glossarium, you add them to the top green action in the macro, which lists your collection of glossaries in the order they will appear in the initial popup list.

If you only have one glossary, no popup will be created and Glossarium will open to its main window with a popup list of commands followed by the terms it found in that glossary.

Here's the format:

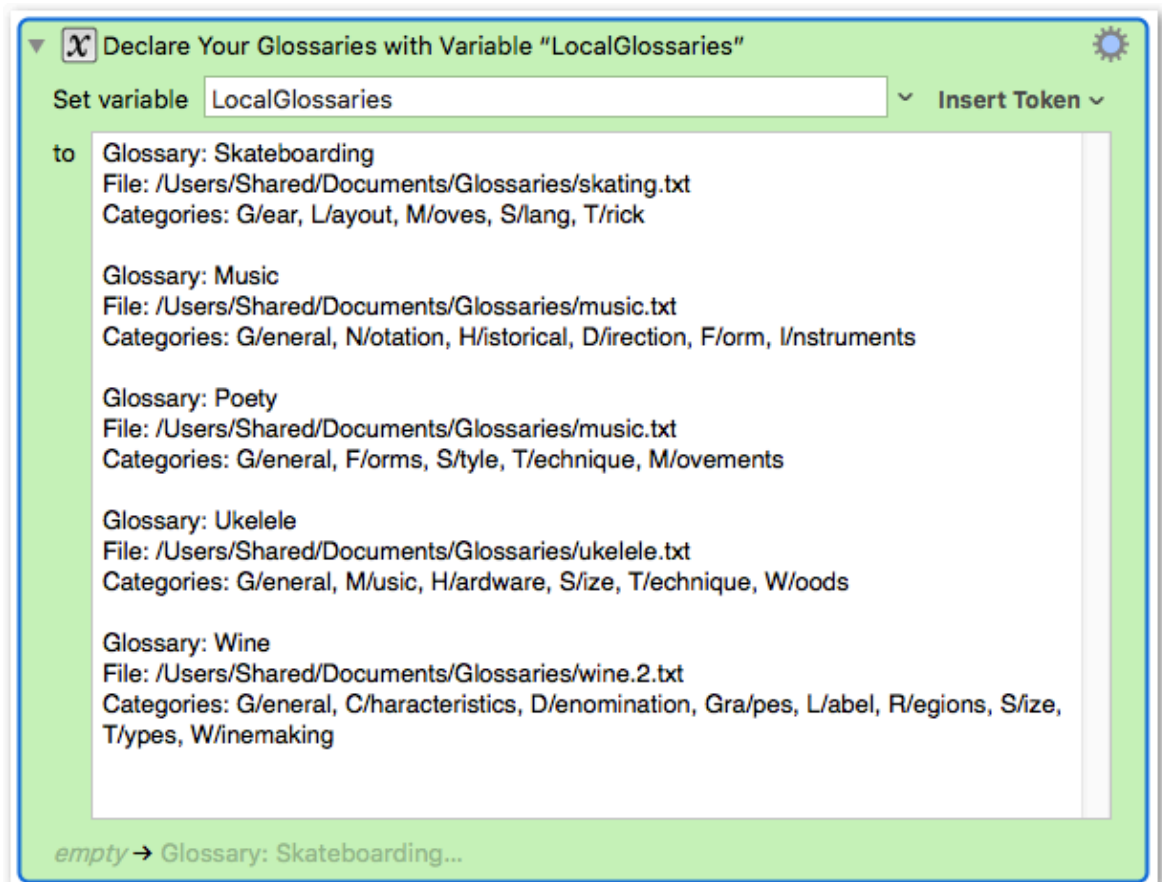
```
Glossary: [a name]
File: [the full path to the glossary text file]
Categories: [each category]
[blank line]
```

Categories are separated by a comma and space with a one code character indicated by a following /. Here's an example:

```
Categories: G/ear, L/ayout, M/oves, S/lang, T/echnique, Tr/ick
```

If a category marks a lowercase letter for the Code, the uppercase character will be used. So Tr/ick's Code is "R" not "r".

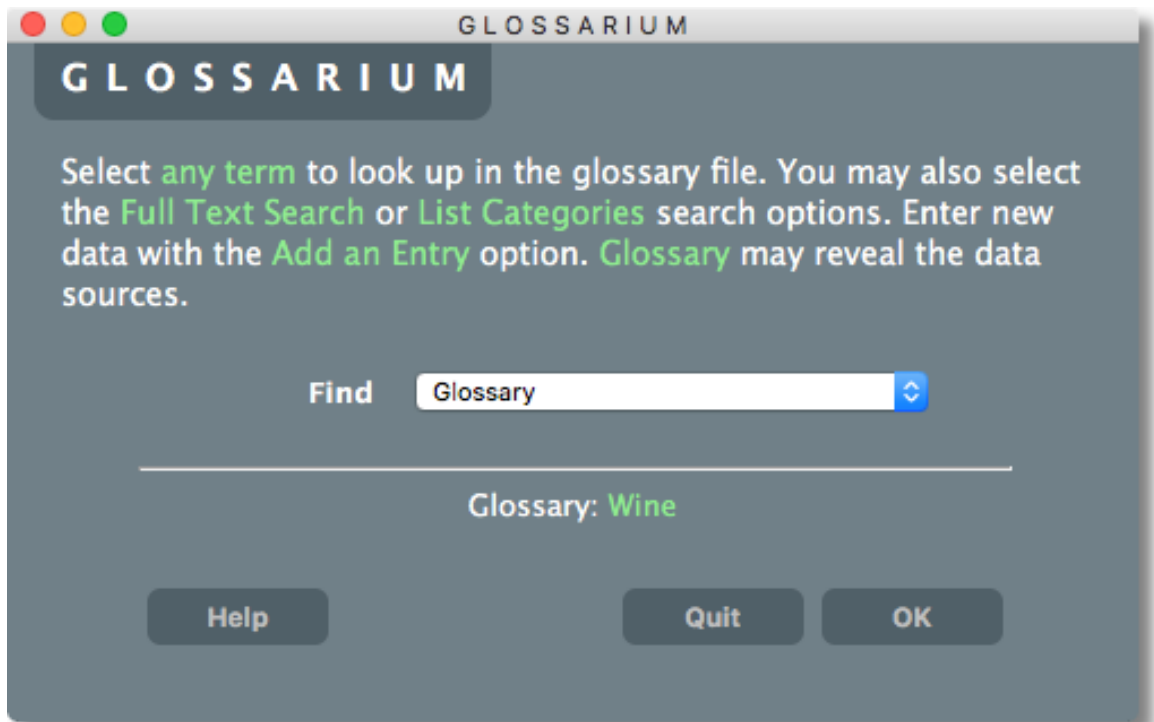
Here's a populated list:



That's all there is to configuring Glossarium.

But you'll want to make sure you have installed any glossaries described in the green action in the locations Glossarium expects to find them.

When properly configured with at least one glossary, Glossarium will present either the prompt on the first page of this document so you can choose one of several glossaries or, if there's only one, it will present it's main prompt:



DATA FORMAT

The macro can identify three fields for any listing in a data file: a Term, a Definition and a set of codes indicating Categories.

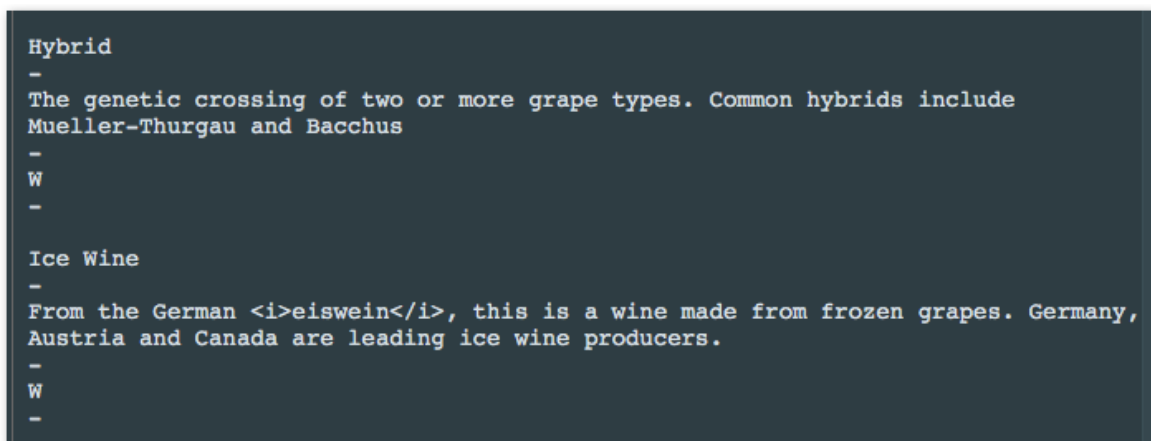
The fields are delimited or separated using hyphens between the various sections and each listing itself is separated by a single blank line between listings:

Here's what a complete listing looks like:

```
Photography
-
The word <i>photography</i> comes from the two ancient Greek words
<i>phos</i> meaning light and <i>graph</i> meaning to draw.
-
G
-
[blank]
```

This entry shows "Photography" is the Term, followed by its Description, which in turn is followed by "G" as the Code for the General Category.

Here's a screen shot of an actual Wines glossary showing two listings:



```
Hybrid
-
The genetic crossing of two or more grape types. Common hybrids include
Mueller-Thurgau and Bacchus
-
W
-

Ice Wine
-
From the German <i>eiswein</i>, this is a wine made from frozen grapes. Germany,
Austria and Canada are leading ice wine producers.
-
W
-
```

Terms are not limited to single words. Glossarium does presume they will be less than 30 characters, though, short enough to appear in a popup menu.

Definitions can be any length and multiple paragraphs. They may include any HTML including references to images.

Category codes are single digit but may form a string that contains several categories. For example, if our entry fit both the General and Printing categories, the Category code would be "GP" instead of just "G".

DATA ENTRY

Once you've configured Glossarium for your own data, you can use the **Add an Entry** option on the popup to enter data.

While you could also use a text editor to merely type them in the above format, using this option guarantees the entry will be properly formatted and reminds you what the category codes are.

You can also use any text editor (like BBEdit) to edit the entries at any time.

In the Definition section, you can use HTML to format the text and even include images using the IMG tag.

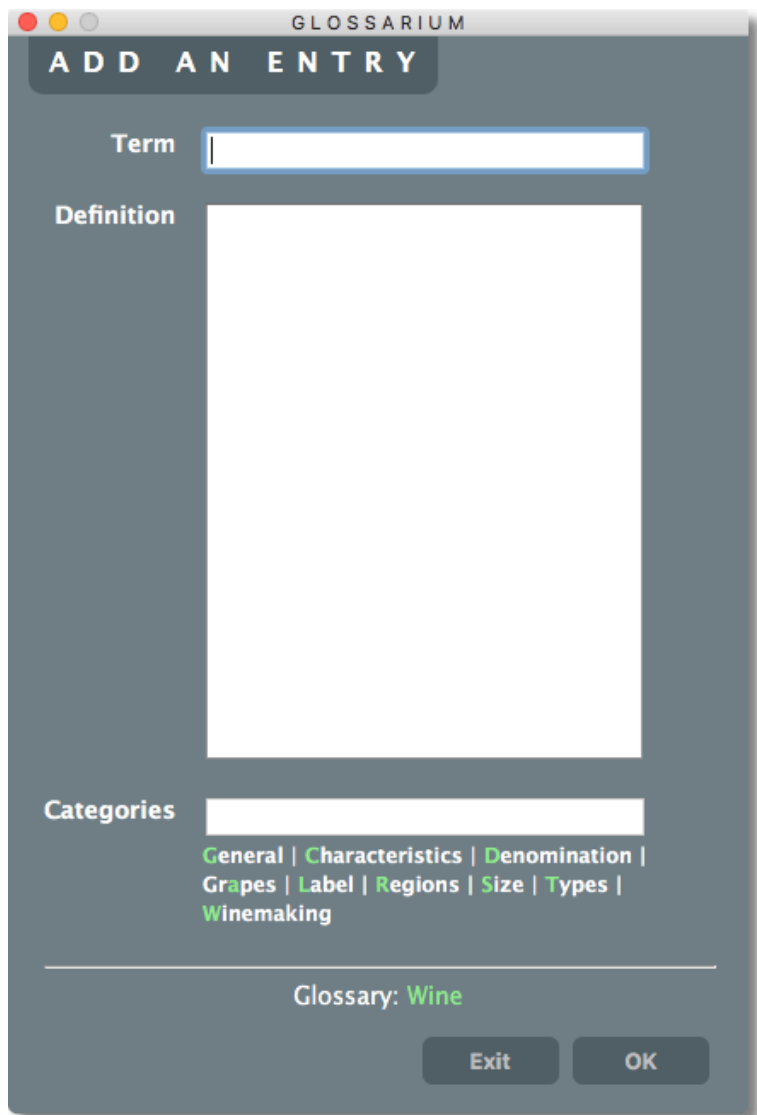
Glossarium always displays what it finds in the data file in HTML.

Data is appended to the end of your data file whether it is open or not.

After the data file has been updated, a notification confirms the update and the macro's working variables are all updated to display the new information immediately.

Because your data can be quite free-form, there's no error checking performed on field entries in this prompt. But you should be careful to enter only upper case in the Categories field even if the reminders below sometimes appear in lower case.

Glossarium reserves one special entry named "Sources" that will be retrieved when the fixed "Glossary" option is selected from Glossarium's popup menu. That's useful for identifying information like the author(s) of the glossary, number of entries and last updated date.



The screenshot shows a macOS-style window titled "GLOSSARIUM" with a dark gray header bar containing the text "ADD AN ENTRY" in white. The main area is divided into three sections: "Term" with a single-line text input field, "Definition" with a large multi-line text area, and "Categories" with a single-line text input field. Below the "Categories" field is a list of category names: "General", "Characteristics", "Denomination", "Grapes", "Label", "Regions", "Size", "Types", and "Winemaking", all in green text. At the bottom of the window, there is a horizontal line, followed by the text "Glossary: Wine" in green, and two buttons labeled "Exit" and "OK" in dark gray.

VIEWING DATA

You can use Glossarium to look up data in a glossary file in three ways:

Any Term: Search for any term displayed in the popup in the data file. Type ahead is supported when the popup has focus (press Tab). Only the Terms will be searched. If the term is found, it will be displayed in a small HTML window.



Full Text Search: Search both the Term and Definition fields for the search criteria. A count is kept of the number of entries that match and is reported at the bottom of the report, which shows each entry with the matching criteria highlighted in color. You can optionally use regular expressions to create a more precise search.

GLOSSARIUM

FULL TEXT SEARCH

Please enter the term or phrase to look up in the glossary file. You can enter **regular expressions** as well as literals.

Find

☒ Use Regex

Glossary: **Wine**

Exit OK

GLOSSARIUM

FULL TEXT RESULTS

Alcohol

The end product of fermentation. Technically it is ethyl alcohol resulting from the interaction of natural **grape** sugars and yeast, generally above 12.5 percent in dry table wines.

Amarone

A succulent higher-alcohol red wine hailing from the Veneto region in northern Italy made primarily from Corvina **grapes** dried on racks before pressing.

Appellation

A legally defined geographical location used to identify where (and how) **grapes** are grown and made into wine.

Bacchus

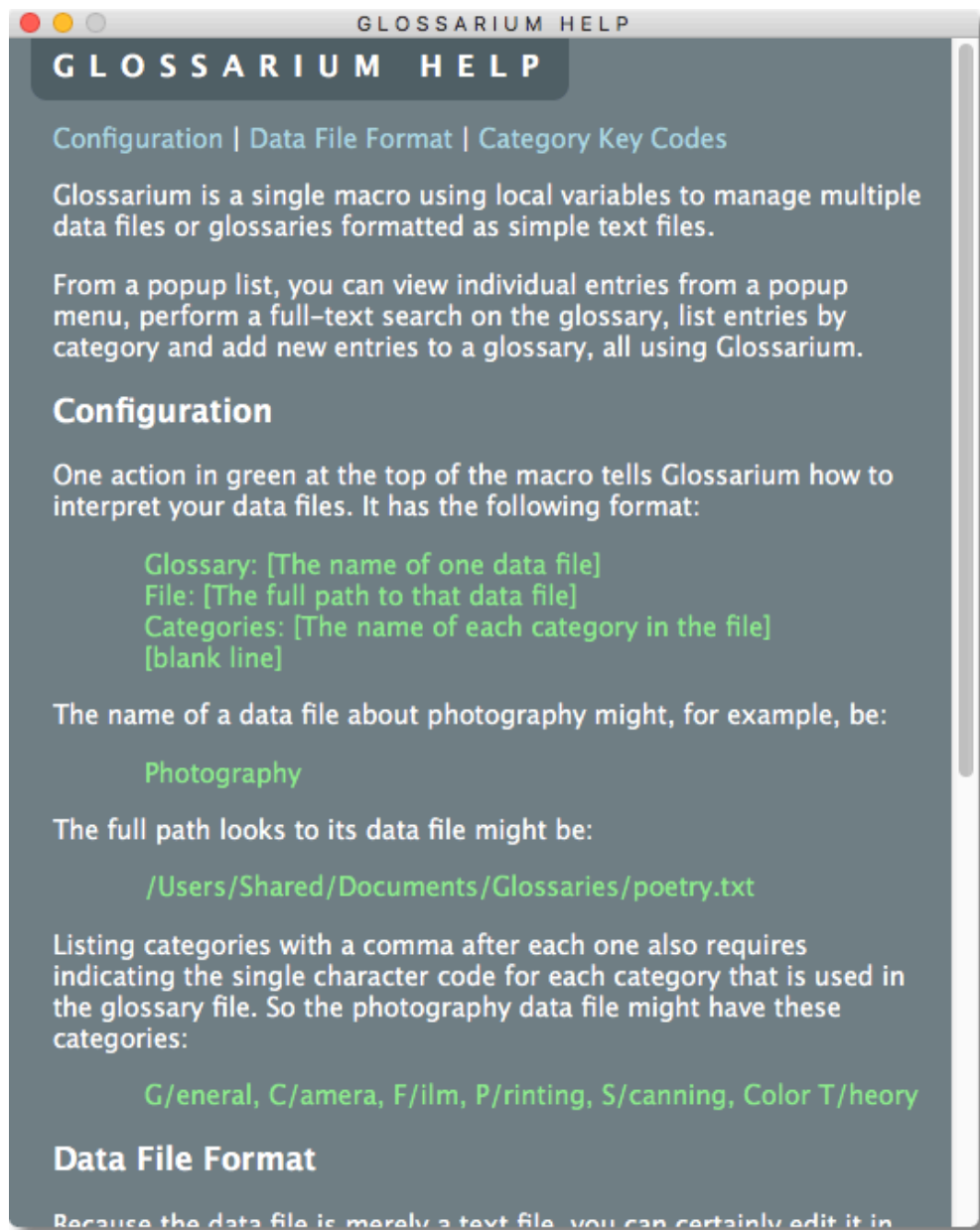
The Roman god of wine, known as Dionysus in ancient Greece.

A hybrid white **grape** from Germany.

Categories: This option will display a two-column report of each Term organized by Category, with a category count and links to other categories. It functions something like an index to the data file.



Help: The main prompt includes Help button with three sections. They cover the essential reference information you may need to use Glossarium including Configuration, the Data File Format and Category Key Codes.



KNOWN ISSUES

- The popups do not get focus until you either click on them or press the Tab key. I've tried adding "autofocus" to the HTML and getElementById("element").focus on page load but neither work.

RELEASE NOTES

v1.1a on 14 July 2020

- Refined CSS with larger font sizes, leading, buttons
- **Add an Entry** cycles until Exited
- GlossariumSearchKey replaces LocalKey to facilitate utf8 keys (Local variables with diacriticals can't be passed to a shell script as an environment variable). The osascript requires newline be stripped.
- LocalGlossary, which contained the glossary entries, has been replaced by a Perl variable to avoid bumping into Keyboard Maestro's environment variable limit.
- NB: For diacriticals use utf8 file formats, which macOS uses natively.

v1.0f on 29 June 2020

- Initial release

CONTACT

I'm happy to promptly address any concerns you may have.

You can reach me at <http://mikepasini.com> or on the Keyboard Maestro forum as mrpasini.