

Short description of qet_translate

General requirements for using the program: Internet access and OpenSSL.

Prerequisite for using the program under Microsoft: Win7 32 and above. It should also run under OS 64 bit. Minimum memory consumption.

Prerequisite for using the program under Linux: Ubuntu > 20.04 64 bit with GTK2. Minimum memory consumption. I use it on Xubuntu 20.04 & Xfce 4.14.2.

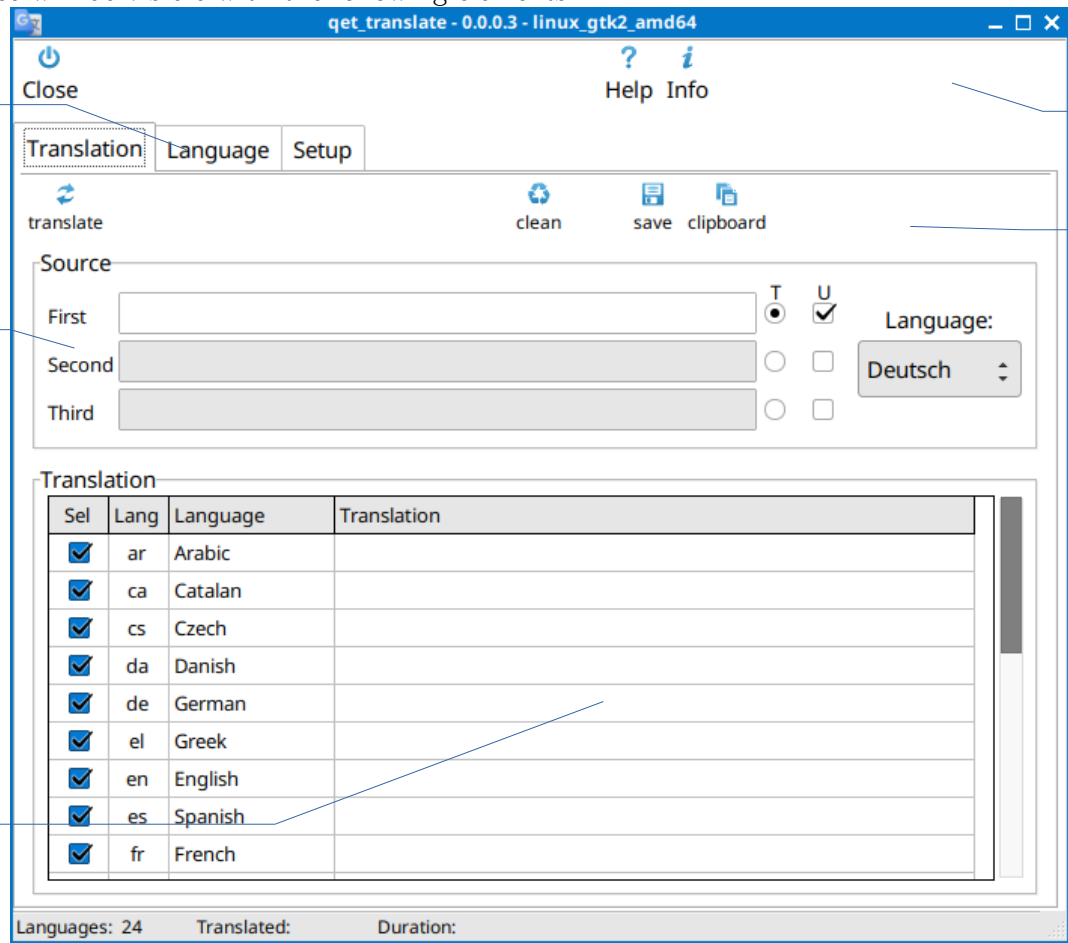
After starting the program, this interface will be visible with the following elements:

Selection of the different program areas.

Selection and input for the source text. The language should automatically adjust itself from the system language. Otherwise, select the desired source language. Input field for the text to be translated.

Translation table with the result of the translation.

The content of columns two and three comes from the existing file 'qet_translate.lang'. The content of column four 'Translation' is retrieved from Google Translate.



Main toolbar of the program.

Toolbar of the current program area.

Perform translation

The translation is carried out in the following steps:

The screenshot shows the qet_translate application window. The interface includes a menu bar with 'Close', 'Help', and 'Info'. Below the menu bar are tabs for 'Translation', 'Language', and 'Setup'. The main area contains a 'Source' section with three text input fields labeled 'First', 'Second', and 'Third'. The 'First' field contains the text 'power supply'. To the right of these fields are radio buttons for 'T' (Translate) and 'U' (Usage), with 'U' checked. A 'Language:' dropdown menu is set to 'English'. A 'translate' button is located to the left of the input fields. Below the source section is a 'Translation' table with columns 'Sel', 'Lang', 'Language', and 'Translation'. The table lists translations for various languages, with 'en' (English) selected. At the bottom of the window, a status bar shows 'Languages: 24', 'Translated: 24', and 'Duration: 2.8s'. Five numbered callouts provide instructions: 1) points to the text input field; 2) points to the 'T' and 'U' radio buttons; 3) points to the 'Language:' dropdown; 4) points to the 'translate' button; 5) points to the 'Translation' table.

4) Press the button to start the translation process.

1) Enter the desired text in a short form.

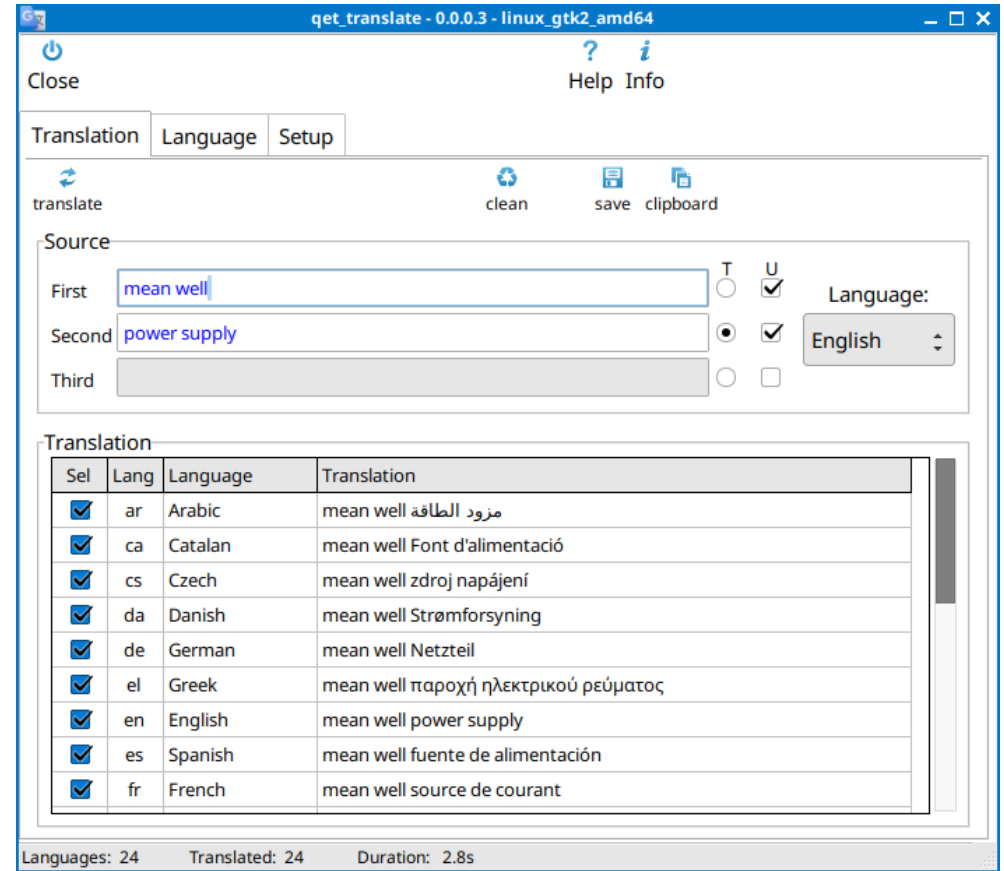
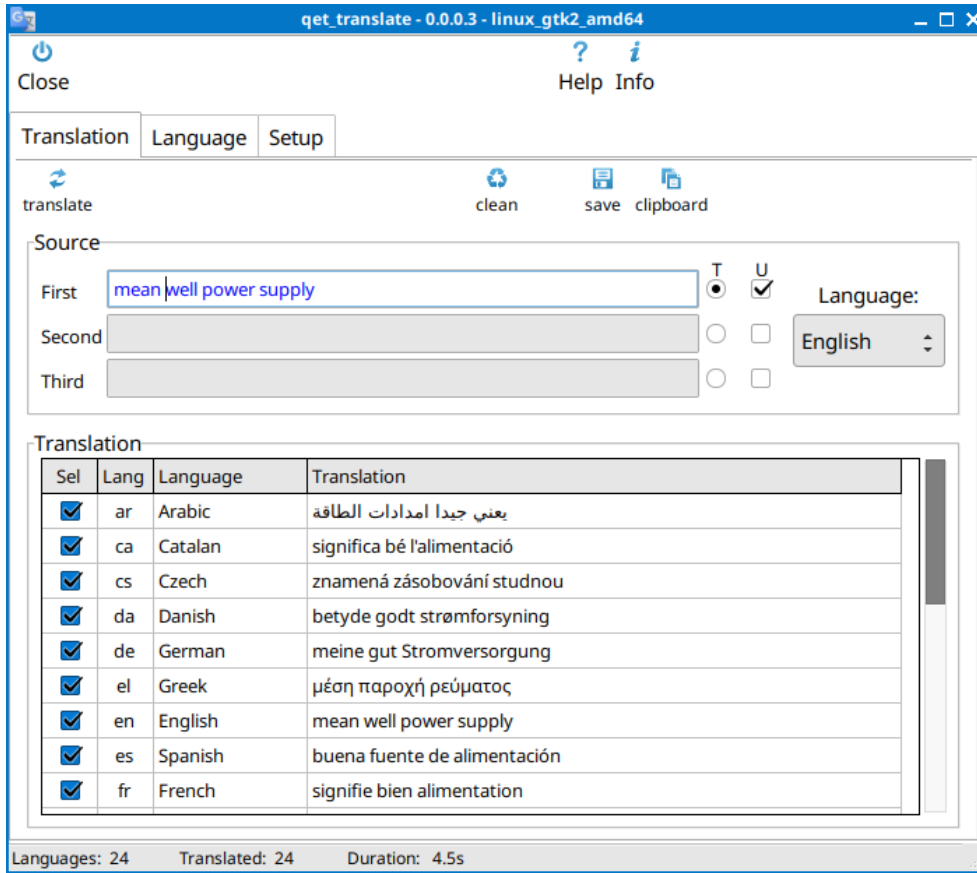
2) Select that the text on the left should be translated (T). If the text in the current field is translated, then the usage (U) is automatically enabled.

3) Specify the source language in which the text is entered. Should usually be set automatically.

5) The result of the translation is displayed here.

| Sel | Lang | Language | Translation |
|-------------------------------------|------|----------|----------------------------|
| <input checked="" type="checkbox"/> | ar | Arabic | مزود الطاقة |
| <input checked="" type="checkbox"/> | ca | Catalan | Font d'alimentació |
| <input checked="" type="checkbox"/> | cs | Czech | zdroj napájení |
| <input checked="" type="checkbox"/> | da | Danish | Strømforsyning |
| <input checked="" type="checkbox"/> | de | German | Netzteil |
| <input checked="" type="checkbox"/> | el | Greek | παροχή ηλεκτρικού ρεύματος |
| <input checked="" type="checkbox"/> | en | English | power supply |
| <input checked="" type="checkbox"/> | es | Spanish | fuelle de alimentación |
| <input checked="" type="checkbox"/> | fr | French | source de courant |

If you want to do a translation with a proper name, it doesn't always work.



The text 'mean well power supply' will return an unusable result.

You can split the text into two or three parts, but only one section will be translated. Leading and trailing spaces are removed from text marked for translation. Spaces and separators can be used in the other two sections.

Completed translation process

Here is an example of a text with three sections and only the second section is translated. Necessary spaces and/or separators must be inserted in the first and third sections. After translation, the texts can be further processed:

Button to delete the translation result.

The translations are retrieved from 'Google Translate' and entered in the third column.

How many languages, how many were translated and how many seconds did it take.

| Sel | Lang | Language | Translation |
|-------------------------------------|------|----------|--|
| <input checked="" type="checkbox"/> | ar | Arabic | mean well مزود الطاقة - MW NDR-240-24 |
| <input checked="" type="checkbox"/> | ca | Catalan | mean well Font d'alimentació - MW NDR-240-24 |
| <input checked="" type="checkbox"/> | cs | Czech | mean well zdroj napájení - MW NDR-240-24 |
| <input checked="" type="checkbox"/> | da | Danish | mean well Strømforsyning - MW NDR-240-24 |
| <input checked="" type="checkbox"/> | de | German | mean well Netzteil - MW NDR-240-24 |
| <input checked="" type="checkbox"/> | el | Greek | mean well παροχή ηλεκτρικού ρεύματος - MW NDR-240-24 |
| <input checked="" type="checkbox"/> | en | English | mean well power supply - MW NDR-240-24 |
| <input checked="" type="checkbox"/> | es | Spanish | mean well fuente de alimentación - MW NDR-240-24 |
| <input checked="" type="checkbox"/> | fr | French | mean well source de courant - MW NDR-240-24 |

Languages: 24 Translated: 24 Duration: 2.8s

Button to save the translation result in a 'qet_directory' file. These files are used in QElectroTech to label the folders for the components.

Only the selected languages will be exported to the file.

Button to save the translation to the clipboard of the computer. This content is used to describe components and is copied into the *.elmt file using an editor.

The contents of the clipboard can be copied between the tags ,names'.

```
<names>
    « Paste clipboard
</names>
```

in the *.elmt files.

Only the selected languages will be exported to the clipboard.

Content of the clipboard:

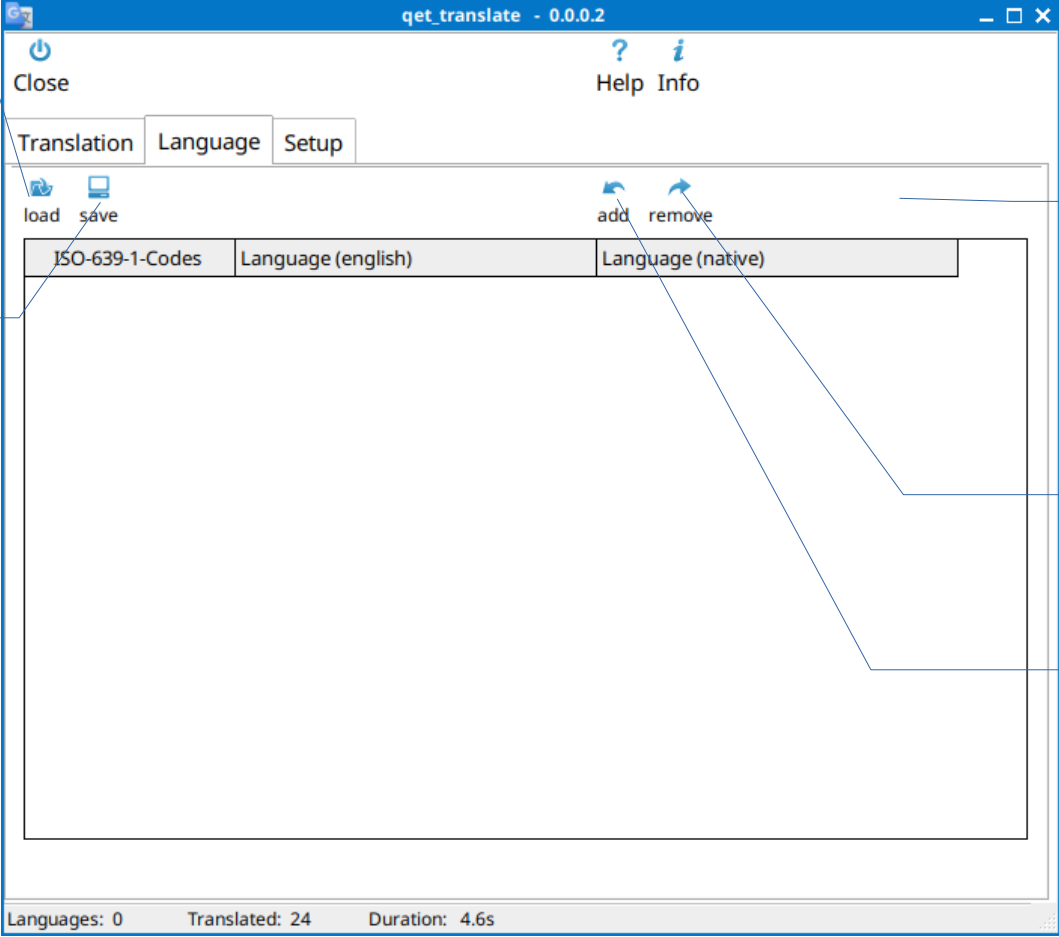
```
<name lang="de">Doppelwirkender Zylinder</name>
<name lang="el">Κύλινδρος διπλής δράσης</name>
<name lang="en">Double-acting cylinder</name>
<name lang="es">Cilindro de doble efecto</name>
<name lang="fr">Vérin double effet</name>
```

Defining the languages

The languages used for the translation can be specified in this window.

Load the language file 'qet_translate.lang'. This file must be in the same folder as the application.

Saving the languages in the 'qet_translate.lang' file.



Toolbar of the current program area.

Delete the selected language from the list.

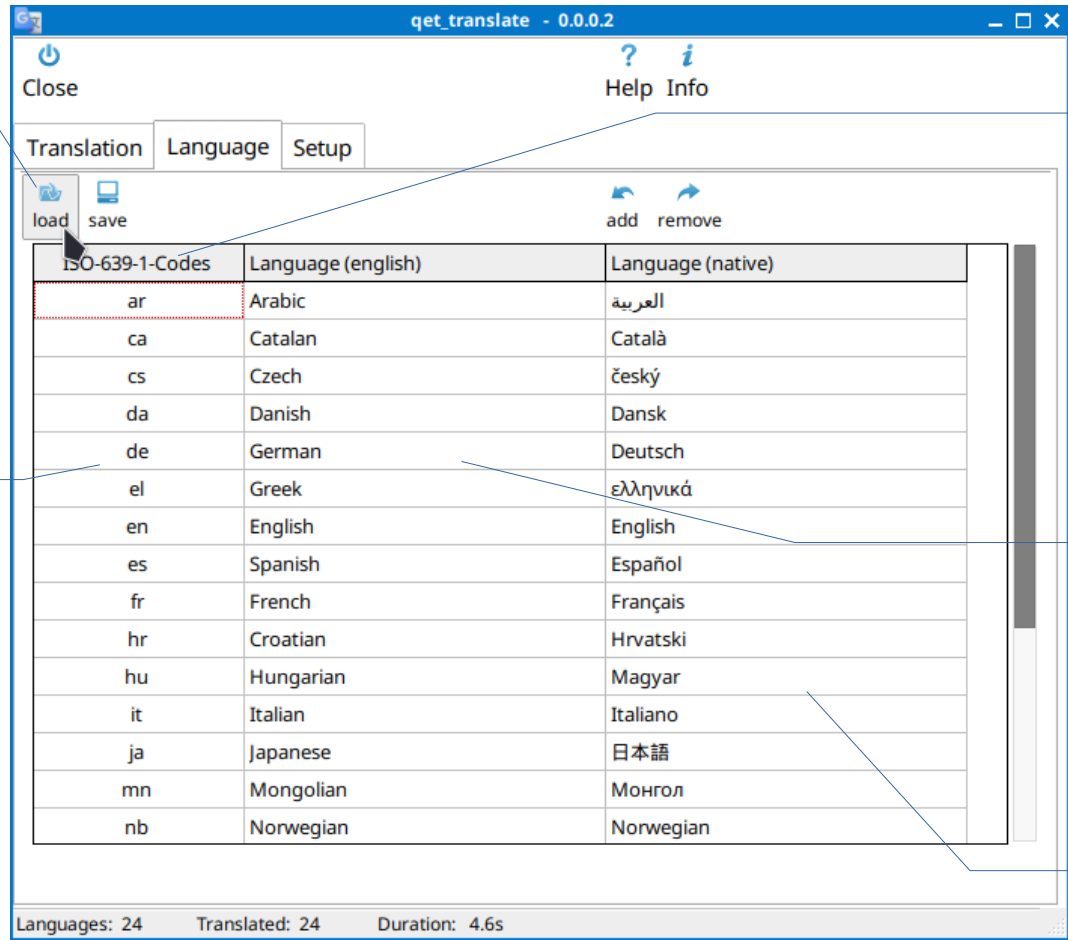
Insert a new language at the end of the list.

Editing the language file

The language file can be loaded and edited as follows:

After loading the language file, the different elements are listed in the table.

By double-clicking in the desired cell, the content can be edited and then saved.



Meaning of the first column:
This content is important for the translation of the text and may not be given out freely.
If a new language is added, the content of these cells must correspond to the information on the links below!

Meaning of the second column:
The content is for information only, so that everyone understands which language is meant.
日本語 may not be clear to everyone.

Meaning of the third column:
This content is used when selecting the source language on the previous program page.

Links:
https://de.wikipedia.org/wiki/Liste_der_ISO-639-1-Codes
https://qelectrotech.org/wiki_new/en/doc/translation

Setup qet_translate

This area will be required for future extensions of the program.

