

it-edit Documentation

it-edit 2.91, July 15, 2016

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Contents:

1 Motivation for writing it-edit

They are 2 sort of programmers in their habits of writing programs:

- * They which use an IDE with full integrated functionalities.
- * They which use an text editor to write their programs and a terminal to compile, debug or launch them and some other tools separately.

Because i'am an programmer from the second category and because i remark that i often use an additional other tools.

I decide to write my own text editor program which provide me all the functionalities that i need to get a development environment fully adapt to my requirement.

Which consist of a terminal integrated text-editor with which you can access all you require directly from the editor: documentation, GUI applications, ...

2 it-edit presentation

it-edit provide a text editor with **syntax highlight**, **line numbering** and with the basics text editing functionalities:

- * Cut, Copy and Paste.
- * Duplicate a line or the selected text.
- * Undo/Redo functionalities.
- * Search and replace functionalities.
- * Jump to the given line number.
- * Enable | Disable the use of tabs.

And an files managing interface for:

- * Open a new empty file.
- * Open the file you want.
- * Open an recent file.
- * Save the editor content.
- * Save the editor content as the filename you want.
- * Save all open files.
- * Reload file.
- * File informations.

it-edit provide **terminals in the same window as the editor**, as a sidebar, which can easily **shown**, **hidden** and **resized**.

You can **add** and **remove** as many terminals as you want to the sidebar...

it-edit provide a **big terminal** occupying the full interface, **dividable** into **4 resizable terminals**, to which you can **easy toggle** from the main window.

For executing commands like compilation, debugging, and so soon directly from the editor.

I intend to implement an **manpages reading interface**, in an **toplevel terminal window** (so it can be **resize**, **minimize**, **maximize** and **closed**),

but i remark by implementing it that i restrict the command to execute the **man [section] page** command.

So i decide to provide the same functionality but without restricting it to the manpage displaying, to expand it to execute any command you want in an toplevel terminal.

It result in a functionality to execute a command in a toplevel terminal, which can be **resize**, **minimize**, **maximize** and **close**.

After the execution of the command the toplevel terminal is yours and can continue to enter commands...

I intend to implement launching of **registered offline HTML documentation** in a toplevel window,

but i remark by implementing it that i restrict it to
offline **HTML** pages.

So i decide to provide the same functionality with registering any file you
like.

The registered files are launched with the default program for this filetype.
After registering the files, you can easy launch it and access them all
directly from **it-edit**.

I want to launch necessary **GUI tools** directly from the editor.

So **it-edit** permit to register the application you want to get direct access
to it from your editor.

Like: A **GUI** diff tool, A **GUI** debugger, a smart python interpreter,
a calculator, a color picker, a dictionary, and so soon...

3 Files

You can start **it-edit** from the command line with a space delimited files list, as argument, which will be opened in the editor at start.

Or use the **it-edit** icon with your files-manager you can select files to open with **it-edit**.

To know for files managing:

- + **Open a new empty file** use the menu item, the button or the shortcut: **Ctrl + n**.
- + **Open a file** by selecting it with a file selector, use the menu item, the button or the shortcut: **Ctrl + o**.
- + You can **open a recent file** by selecting it in the list from the menu item.
- + **Save** the current editor content use the menu item, the button or the shortcut: **Ctrl + s**.
- + **Save all** open files use the menu item, the button or the shortcut: **Ctrl + Maj + S**.
- + **Reload file** will reload the last saved version from the file in the editor, use the menu item or the shortcut **Ctrl + R**.
- + **File informations** will display informations, which you can edit, about the current file, use the menu item or the shortcut **Ctrl + I**.

You can easily navigate into your open files by using the pop-up menu or by clicking on the file tab.

You can reorder your open files as wanted by drag and drop the files tabs.

4 Edition

To know about edition:

- + **Undo** use the contextual menu or the shortcut: **Ctrl + Z**.
- + **Redo** use the contextual menu or the shortcut: **Ctrl + Maj + Z**.

note: The menu items from *Undo* and *Redo* does not work well but the shortcuts and the contextual menu yes.

- + **Cut** use the contextual menu, the menu item, the button or the shortcut: **Ctrl + X**.
- + **Copy** use the contextual menu, the menu item, the button or the shortcut: **Ctrl + C**.
- + **Paste** use the contextual menu, the menu item, the button or the shortcut: **Ctrl + V**.
- + **Duplicate** the selection or the line at cursor position, use the menu item, the button or the shortcut: **Ctrl + D**.
- + **Use space instead of tabs**: for switching between tab use or not, use the menu item or the shortcut: **Ctrl + P**.

5 Editor

Go to line number use the menu item, the button or the shortcut: **Ctrl + g**.

Enter an valid line number and press **Enter** or the **Apply** button to move the editor to the wanted line, which will be highlight.

Find and replace functionality.

You can *show* | *hide* the find and replace bar by using the toggle button.

The search and replace bar has following functionalities:

- + **Search** button: this will highlight all the matching occurrences from the search term and moving the editor to the first occurrence position.
- + **Next** button: highlight the next matching occurrence from the search term.

Pressing **Enter** when the search entry field has the focus has the same effect.

The search will start at selection or at the cursor position.

If you select some text with the mouse and using the shortcut **Ctrl + f**.

The search field will toggle on if not visible and will contains the selected text as search term.

note: You can use the shortcut **Ctrl + +** instead of the button (Use the keypad).

- + **Previous** button: highlight the previous matching occurrence from the search term.

The search will start at selection or at the cursor position.

If you select some text with the mouse and use the shortcut **Ctrl + f**.

The search field will toggle on if not visible and will contains the selected text as search term.

note: You can use the shortcut **Ctrl + -** instead of the button (Use the keypad).

- + **Replace** button: replace the current matching occurrence, which is highlight, with the content of the replace field.

If this don't work simply hit the **Next** or **Previous** button, this occur if you never make a search before: a search must be done before replacing.

note: You can use the shortcut **Ctrl + Enter** instead of the button (Use the keypad).

- + **Replace all** button: replace all the matching occurrence in the current file.

note: You can use the shortcut **Ctrl + Maj + Enter** instead of the button (Use the keypad).

- + **Mode**: You can select how your search term(s) will be interpreted.
 - + **Raw text**: all search terms matching.
 - + **Word boundary**: The search term must be a complete word, not a part but an variable with separators like underscores or points will work too.
 - + **Regular expression**: *Perl* compatible regular expression (REGEX).
- + **Close** button: hide the search and replace bar and clear the highlight.

note: if you select some text with the mouse and use the **Ctrl + f** shortcut.

- * The search and replace bar will be show.
- * The search field will be filled with your selection.
- * The search will begin at your selection position if you hit the **Next** or **Previous** button.

6 Actions

Command execution: use the menu item, the **Cmd** button or the shortcut: **Ctrl + e**.

This will display a little toplevel in which you can enter a command.

Then press the **Enter** key or the **Apply** button to execute the command in a terminal include in a toplevel window (so you can resize, minimize, maximize and close the window).

After the execution from the command the toplevel terminal is yours so can continue to enter commands and use it.

Sidebar Terminals adding: You can add some terminals, 2 per item, to the sidebar, reorder them, and remove it.

Use the menu item or the shortcut **Ctrl + Maj + T**.

Big terminal(s) switch: You can switch between a very big terminal and a very big terminal divided into 4 terminals.

Use the menu item or the shortcut **Ctrl + Maj + B**.

File Handler: use the menu item or the shortcut: **Ctrl + H**.

For using this features you must register files from the **Files handler manager** tab interface reachable through the settings->Configure program menu item.

For registering a file you must give it a title which will appears as the button text in the **File Handler** window and selecting the corresponding file.

Then when you press the button in the **File Handler** window, the file will be launched with the default application for this filetype.

This features was thinking for fast access to offline HTML documentation but it's being expanded to any filetype, so you can consult pdf documentation too, but not only, this features can be use for any use you want.

The registered files can be removed from the **File handler** list through the same interface with which you add it.

Application launcher: use the menu item or the shortcut: **Ctrl + A**.

This will display an application chooser. By selecting an application you will launch it.

7 Applications

You can set different GUI tools launcher from **it-edit**:

Under the section **programming** you can set:

- + A **GUI** diff tool.
- + A **GUI** debugger.
- + A **GUI** smart python interpreter.
- + A user interface designer.
- + devhelp.

Under the **utilities** section you can set:

- + A **GUI** calculator.
- + A **GUI** color picker.
- + A **GUI** dictionary.
- + A file manager.
- + A **GUI** note taker.
- + A browser.

Else you can register the application you want under the **others** section.

This is very practice to launch an application directly from **it-edit** instead of:

1. Minimize **it-edit**
2. Go to the menu.
3. Find the application you want to launch.
4. Launch your application.

8 View

Big term *Show* | *hide*: use the menu item, the toggle button or the shortcut: **Ctrl + B**.

Terminals *show* | *hide*: use the menu item, the toggle button or the shortcut: **Ctrl + T**.

Button bar *show* | *hide*: use the menu item.

Fullscreen toggle: use the menu item.

9 Settings

Syntax highlight: use the menu item.

To set the syntax highlight on, on the current edited text from the supported language.

Editor schemes: use the menu item.

To set the appearance from the text editor.

Currently they are 13 different schemes available in **it-edit**:

- + build
- + Classic.
- + Cobalt.
- + emacs.
- + Kate (default).
- + matrix
- + Oblivion.
- + slate.
- + Solarized-dark.
- + Solarized-light.
- + Tango.
- + turbo.
- + vsdark.

Each time you change the scheme your choice is registered so that you don't have to change it every time you start **it-edit**.

Configure program: use the menu item.

To access to the program configuration window which is divide into 3 part:

Editor settings:

- + Font (Monospace 10 per default).
- + Display lines numbers (Enabled per default).
- + Display TABS characters (Enabled per default).
- + Use auto-indent (Enabled per default).
- + Indent width (2 per default).
- + Use spaces instead of TABS (Enabled per default).
- + TABS width (2 per default).
- + Create a backup file by saving (Enabled per default).

- + Remove trailing space at saving (Enabled per default).

Terminal settings:

- + Appearance:
 - + Font (Monospace 10 per default).
 - + Font scale (1.0 per default).
 - + Cursor type (BLOCK per default).
 - + Cursor color (white per default).
 - + Cursor blink mode (BLINK_SYSTEM per default).
 - + Background color (Black per default).
 - + Foreground color (White per default).
 - + Allow bold (True per default).
 - + Bold color (White per default).
 - + Pointer autohide (Disabled per default).
- + Settings:
 - + User shell (Default to your default shell).
 - + Start directory when you launch a terminal.
 - + Audible bell (Enabled per default).
 - + Scroll back lines.
 - + Unlimited (Default).
 - + Settable to the value you want.
 - + Scrolling.
 - + Scroll on output (Disabled per default).

Controls whether or not the terminal will forcibly scroll to the bottom of the terminal when the new data is received.
 - + Scroll on keystroke (Enabled per default).

Controls whether or not the terminal will forcibly scroll to the bottom of the terminal when the user presses a key.
- + Erase binding.
 - + Backspace key binding (Default to automatic).

- + Delete key binding (Default to automatic).

File handler manager:

Here you can add and remove files for the **File handler** feature.

Applications:

Here you can define shortcuts for the applications you want.

Settings

- + Define the ratio main-interface and sidebar in form of a floating-point value between 0.0-1.0, representing the surface the sidebar will cover and so the width of the sidebar terminals.
- + Show | hide the sidebar terminals at start.
- + Show | hide the big terminal at start.
- + Choosing to divide the big terminal in 4 at start.
- + Toggle to fullscreen at start.
- + Launch a command in the terminals at start.
- + Set it-edit as your default editor or reset the settings.

10 Shortcuts memo

10.1 Application shortcuts:

Shortcut	functionality	Mnemonic
Ctrl + n	New file	n = new
Ctrl + o	Open file	o = open
Ctrl + s	Save file	s = save
Ctrl + Maj + S	Save all files	S = Save
Ctrl + r	Reload file	r = reload
Ctrl + i	File informations	i = Informations
Ctrl + z	Undo	None
Ctrl + Maj + Z	Redo	None
Ctrl + f	Search	f = find
Ctrl + Enter	Replace	none
Ctrl + Maj + Enter	Replace all	none
Ctrl + +	Next	none
Ctrl + -	Previous	none
Ctrl + g	Go to line number	g = go to
Ctrl + x	Cut	None
Ctrl + c	Copy	c = copy
Ctrl + v	Paste	None
Ctrl + d	Duplicate text	d = duplicate
Ctrl + p	Use tabs	none
Ctrl + e	Execute command	e = execute

Ctrl + b	Show Hide big term	b = big term	
Ctrl + Maj + B	big term switch	B = Big term	
Ctrl + t	Show Hide terminal	t = terminal	
Ctrl + Maj + T	Add new terminals	T = Terminals	
Maj + Copy	Copy from terminal	none	
Maj + Insert	Paste to terminal	none	
Ctrl + h	File handler	h = handler	
Ctrl + a	Application launcher	a = application	
Ctrl + q	Quit application	q = quit	

10.2 Terminals shortcuts:

Shortcut	functionality	Mnemonic	
Shift + Copy (KP 1)	Copy from terminal	none	
Shift + Insert (KP 0)	Paste to terminal	none	
Shift + Ctrl + T	Open new tab	t = tab	
Shift + Ctrl + -	Decrease font-scale	- = decrease	
Shift + Ctrl + +	Increase font-scale	+ = increase	

11 Supported languages

ActionScript

text/x-actionscript
+ *.as

Ada

text/x-ada, text/x-adasrc
+ *.adb
+ *.ads

ANS-Forth94

text/x-forth
+ *.4th
+ *.forth

ASP

text/x-asp, application/x-asp, application/x-asap
+ *.asp

Automake

+ Makefile.am
+ GNUmakefile.am

awk

application/x-awk
+ *.awk

BenmuGD

+ *.prg

BibTeX

text/x-bibtex
+ *.bib

Bluespec SystemVerilog

+ *.bsv

Boo

text/x-boo
+ *.boo

C

text/x-c, text/x-csrc, image/x-xpixmap
+ *.c

C#

text/x-csharpsrc, text/x-csharp
+ *.cs

C++

text/x-c++, text/x-cpp, text/x-c++src
+ *.cpp
+ *.cxx
+ *.cc
+ *.C
+ *.c++

C/C++/ObjC Header

text/x-chdr
+ *.h

CG Shader Language

+ *.cg

ChangeLog

text/x-changelog
+ ChangeLog*

C++ Header

text/x-c++hdr
+ *.hh
+ *.hp
+ *.hpp
+ *.h++

CMake

+ CMakeLists.txt
+ *.cmake
+ *.cmake.in
+ *.ctest
+ *.ctest.in

COBOL

+ *.cbl
+ *.cob
+ *.cbd
+ *.cdb
+ *.cdc

CSS

text/css
+ *.css
+ *.CSSL

CSV

text/csv
+ *.csv

CUDA

+ *.cu
+ *.cuh

D

text/x-dsrc
+ *.d

.desktop

application/x-gnome-app-info, application/x-desktop
+ *.desktop
+ *.kdelnk

Diff

text/x-diff, text/x-patch, text/x-reject
+ *.diff
+ *.patch
+ *.rej

DocBook

application/docbook+xml
+ *.docbook

DOS Batch

+ *.bat
+ *.cmd
+ *.sys

DPatch

text/x-dpatch
+ *.dpatch

DTD

text/x-dtd
+ *.dtd

Eiffel

```
text/x-eiffel
+ *.e
+ *.eif
```

Erlang

```
text/x-erlang
+ *.erl
+ *.hrl
```

F#

```
text/x-fsharp
+ *.fs
```

FCL

```
+ *.fcl
```

Forth

```
text/x-forth
+ *.frt
+ *.fs
```

Fortran 95

```
text/x-fortran
+ *.f
+ *.f90
+ *.f95
+ *.for
+ *.F
+ *.F90
```

GAP

```
text/x-gap
+ *.g
+ *.gd
+ *.gi
+ *.gap
```

GDB Log

```
+ *.gdb
```

Genie

```
text/x-genie
+ *.gs
```

gettext translation:

text/x-po, text/x-pot, text/x-pox, text/x-gettext-translation,
text/x-gettext-translation-template
+ *.po
+ *.pot

Go

+ *.go

Graphviz Dot

text/vnd.graphviz
+ *.dot
+ *.gv

gtk-doc

GtkRC

text/x-gtkrc
+ gtkrc
+ .gtkrc
+ gtkrc-
+ .gtkrc-

Haddock

Haskell

text/x-haskell
+ *.hs

HTML

text/html
+ *.html
+ *.htm

IDL

text/x-idl
+ *.idl

IDL-Exelis

+ *.pro

ImageJ

+ *.ijm

.ini

text/x-ini-file, application/x-ini-file
+ *.ini

J

+ *.ijs

Jade

+ *.jade

Java

text/x-java

+ *.java

JavaScript

application/javascript, application/x-javascript, text/x-javascript,
text/javascript, text/x-js

+ *.js

+ *.node

JSON

application/json

+ *.json

+ *.geojson

+ *.topojson

Julia

+ *.jl

LaTeX

text/x-tex

+ *.tex

+ *.ltx

+ *.sty

+ *.cls

+ *.dtx

+ *.ins

+ *.bib

Lex

+ *.l

+ *.lex

+ *.flex

libtool

text/x-libtool

+ *.la

+ *.lai

+ *.lo

Literate Haskell

```
text/x-literate-haskell
+ *.lhs
```

LLVM IR

```
+ *.ll
```

Lua

```
text/x-lua
+ *.lua
```

m4

```
application/x-m4
+ *.m4
+ configure.ac
+ configure.in
```

Makefile

```
text/x-makefile
+ [Mm]akefile
+ GNUmakefile
+ *.make
+ *.mak
+ *.mk
```

Mallard

```
+ *.page
```

Markdown

```
text/x-markdown
+ *.markdown
+ *.md
+ *.mkd
```

Matlab

```
text/x-matlab
+ *.m
```

MediaWiki

Meson

```
text/x-meson
+ meson.build
+ meson_options.txt
```

Modelica

```
text/x-modelica
+ *.mo
```

- + *.mop

MXML

- + *.mxml

Nemerle

- text/x-nemerle
- + *.n

NetRexx

- text/x-netrexx
- + *.nrx

NSIS

- + *.nsi
- + *.nsh

Objective-C

- text/x-objcsrc
- + *.m

Objective-J

- text/x-objective-j
- + *.j

OCaml

- text/x-ocaml
- + *.ml
- + *.mli
- + *.mll
- + *.mly

OCL

- text/x-ocl
- + *.ocl

Octave

- text/x-octave
- + *.m

OOC

- + *.ooc

Opal

- + *.sign
- + *.impl

OpenCL

- + *.cl

OpenGL Shading Language

- + *.glslv
- + *.glslf

Pascal

- text/x-pascal
- + *.p
- + *.pas

Perl

- text/x-perl, application/x-perl
- + *.pl
- + *.pm
- + *.al
- + *.perl
- + *.t

PHP

- text/x-php, application/x-php, text/x-php-source, application/x-php-source
- + *.php
- + *.php3
- + *.php4
- + *.phtml

Pig

- + *.pig

pkg-config

- text/x-pkg-config
- + *.pc

Prolog

- text/x-prolog
- + *.prolog

Protobuf

- text/x-protobuf
- + *.proto

Puppet

- + *.pp

Python

- text/x-python, application/x-python
- + *.py

Python 3

- + *.py3

R

- text/x-R

- + *.R
- + *.Rout
- + *.r
- + *.Rhistory
- + *.Rt
- + *.Rout.save
- + *.Rout.fail

reStructuredText

- text/x-rst

- + *.rst

RPM spec

- text/x-rpm-spec

- + *.spec

Ruby

- application/x-ruby, text/x-ruby

- + *.rb
- + *.rake
- + *.gemspec
- + Rakefile
- + Capfile
- + Gemfile

Rust

- + *.rs

Scala

- text/x-scala

- + *.scala

Scheme

- text/x-scheme

- + *.scm

Scilab

- + *.sce

- + *.sci

sh

text/x-shellsript, application/x-shellsript, text/x-sh
+ *.sh
+ *bashrc
+ .profile
+ .bash_profile

SPARQL

application/sparql-query
+ *.rq

SQL

text/x-sql
+ *.sql

Standard ML

+ *.sml
+ *.sig

Sweave

+ *.rnw
+ *.Rnw
+ *.snw
+ *.Snw

SystemVerilog

+ *.sv
+ *.svh

Tcl

text/x-tcl, application/x-tcl
+ *.tcl
+ *.tk

Texinfo

text/x-texinfo
+ *.texi
+ *.texinfo

Thrift

+ *.thrift

txt2tags

+ *.t2t

Vala

text/x-vala
+ *.vala
+ *.vapi

VB.NET

text/x-vbnet, text/x-vb
+ *.vb

Verilog

text/x-verilog-src
+ *.v

VHDL

text/x-vhdl
+ *.vhd

XML

application/xml, text/xml
+ *.xml
+ *.xspf
+ *.siv
+ *.smil
+ *.smi
+ *.sml
+ *.kino
+ *.xul
+ *.xbel
+ *.abw
+ *.zabw
+ *.glade
+ *.jnlp
+ *.xhtml
+ *.svg
+ *.mml
+ *.rdf
+ *.rss
+ *.wml
+ *.xmi
+ *.fo
+ *.xslfo

XSLT

application/xslt+xml

+ *.xslt

+ *.xsl

Yacc

text/x-yacc, text/x-bison

+ *.y

+ *.yacc

YAML

application/x-yaml

+ *.yaml

+ *.yml

12 Credits

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License: GPLv3.

version: 2.91

website: www.open-source-projects.net/IT-Edit/IT-Edit_presentation.html

Thank's to my beloved mother, my family and to the doctors.

Stay away from drugs: drugs destroy your brain and your life.