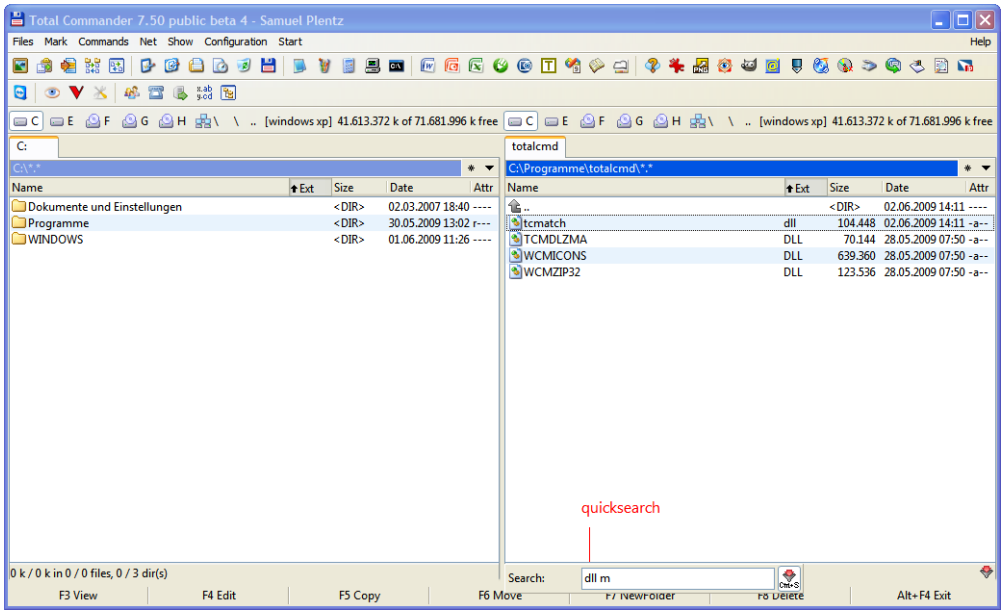
QuickSearch eXtended for Total Commander 7.5+

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1. Installation

- You must have Total Commander 7.5 public beta 6 or higher installed
- Download the archive: "QuickSearch eXtended.zip"
- Install it automatically by pressing return on the archive from within Total Commander and choose "yes" to install. To manually install it, just extract the archive to the folder of Total Commander.
- To activate "QuickSearch eXtended" you will need to restart Total Commander.
- In Total Commander "Configuration" > "Quick Search" you may choose how to activate the search dialog.
- Press Ctrl+S or type some words to use "QuickSearch eXtended".
- To uninstall "QuickSearch eXtended" remove "tcmatch.*" from your Total Commander folder.



How "QuickSearch eXtended" should look and behave like after install.

2. Features

The main feature is that the search string is divided in substrings at each space. A file matches the search string if all substrings are found in it. You can use vertical separators "|" to find either the string to the left or the string to the right. Use an "!" in front of a search string to invert the result list.

Simple search:

Search for:	"cat dog"
Find:	A dog and a cat moved to china.txt
	CaTs and dOgs.avi
	bulldog catalysator.doc
Search for:	"cat music|dog fun"
Find:	Musical cats.pdf
	funny Dog.avi
Search for:	"!.pdf"
Find:	cat.bmp
Find not:	cat.pdf

RegEx search:

Search for:	"?exe _\d"
Find:	tcmd_75b4.exe
	AutoHotkey_104800_Install.exe
	IZArc_4b1.exe

Similarity search: (using Levenshtein Distance)

Search for:	"<color my"
Find:	colorful.bmp
	my favorite Colour.jpg
Search for:	"<2lefenstein"
Find:	Levenshtein.cpp

By default "Simple search" doesn't need activation. Just write some words and it will work. To use a "RegEx search" write a "?" before the RegEx expressions. To use the "Similarity search" write a "<" before the words. You can specify the number of differences per word by typing a number after it: "<2syncronise".

PinYin search:

Search for:	"ext sz zgrand"
Find:	中国randomtext 神舟.bmp

There is full PinYin support for "Simple search" and "Similarity search". This means the Chinese char is equivalent to one of its English PinYin chars. In the "RegEx search" every substring is also searched as an English PinYin string, but it's not supported to combine RegEx and PinYin into one substring. If your system language is Chinese, PinYin should be activated on first launch, otherwise it has to be activated in "tcmatch.ini" for slightly performance reasons.

Presets:

Save Preset:	".pdf|.doc|.ppt|.xls|.txt>a"
Restore it:	">a"

To add a search string to the presets just append ">[char]", where "[char]" is any character you like. Later you just need to search for ">[char]" to load the preset.

Content plugins: (*.wdx)

If you want to use content plugins you have to create some entries in the "tcmatch.ini". See an example in the Customize Chapter below.

3. Customize

On first run "QuickSearch eXtended" creates "tcmatch.ini" in the same folder "tcmatch.dll" is located. If this location is write protected the folder of "wincmd.ini" is used. There you can customize it:

```
[general]
simple_search_activate_char=
regex_search_activate_char=?
leven_search_activate_char=<
preset_activate_char=>
simple_search_match_beginning_activate_char=^
and_separator_char=" "
or_separator_char=|
wdx_separator_char=/
negate_char=!

case_sensitive=0
allow_empty_result=1
filter_files_and_folders=3
match_beginning=0
use_pinyin=0
```

You can decide which chars should activate the different search types. To specify a default search type, just use nothing as activation char: "regex_search_activate_char=" You can also change the preset activate char, the separator chars or the negate char.

The option "case_sensitive":

0 - ignores the case of the words in the search

1 - case of the words in the search is important

The option "allow_empty_result":

0 - ignores any keys that would lead to an empty search result

1 - keys that would lead to an empty search result are also considered

The option "filter_files_and_folders":

1 - filter only files

2 - filter only folders

3 - filter files and folders

The option "match_beginning":

0 - substrings match anywhere in filename

1 - substrings only match at the beginning of words

The option “use_pinyin”:

0 - don’t use PinYin

1 - use PinYin

Content plugins: (*.wdx)

In the section [wdx] of the same ini you can customize the use of content plugins:

```
[wdx]
wdx_text_plugin1=Description@C:\...\plugins\wdx\FileDesc\FileDesc.wdx
wdx_text_plugin2=Author|Title@C:\...\plugins\wdx\ShellDetails\ShellDetails.wdx
wdx_text_plugin3=Size@C:\...\plugins\wdx\DirSizeCalc\DirSizeCalc.wdx
wdx_groups=2|1,3
debug_output=0
```

With “wdx_text_plugin*” entries you can load several wdx plugins. Every entry has the following syntax: “Field1[|Field2][|Field3]...@Path_to_plugin_file”. You have to write the whole path for the plugin. You also have to use the untranslated fieldnames. If there is no “wdx_groups=...” entry all wdx fields are in the first wdx group.

By specifying “wdx_groups=Field1,Field2,Field3|Field5|Field4,Field6” you put Field1 to Field3 into the first wdx group. Field5 is put into the second wdx group. Finally Field4 and Field6 are in the third wdx group.

The content of all fields in the first wdx group is filtered with the filename itself. To access fields of other wdx groups append some wdx separator chars (“/”) to the search string. The following example uses the above ini settings:

Search for:	“doc Samuel/Total”		
Find:	tcmatch.doc	Author: Samuel	Description: ...Total...
	Samuel.docx	Author: Peter	Description: ...total gern...
	Samuel.xls	Author: Doctor K.	Description: ...Totale...

Use the following debug mode if wdx doesn’t seem to work. The file “tcmatch.log” is created at same path like “tcmatch.ini”.

The option “debug_output”:

0 - do not write debug informations to file

1 - write errors to file

2 - write informations about the wdx values to file

3 - write all wdx function calls to file

4. Limitations

- Quick Search options from “Total Commander” > “Configuration” > “Quick Search” are ignored. (Exact beginning and ending)
- You have to restart Total Commander to change the value of “allow_empty_result”
- RegEx: No support for “case_sensitive” for some languages.
- Wdx: “ContentGetDetectString” and “Units” are ignored
- Wdx: only untranslated Fieldnames can be used
- Wdx & “filter_files_and_folders”: No support for network drives, FTP and inside of zip files.

5. History

Version 1.5.2

- Greatly improved the performance by around 80%-90%! It's just like a lightning now in a folder with 10.000 files.
- Added uninstall information's in the readme.

Version 1.5.1

- Important change: The name "Google like Quicksearch" changed to "QuickSearch eXtended".
- Clean up the first post, so that the user will more likely read the readme. ;-) (Full history is now only available in readme.)
- Change: Default value of "wdx_separator_char" is now "/" instead of "\". The backslash prevented to use the RegEx search.
- Fixed: Filtering files in FTP mode is possible again. (broken in Version 1.5)
- Disabled wdx and "filter_files_and_folders" for network drives, FTP and inside of zip files.
- Some readme cleanup and redesign.

Version 1.5+ (silent update)

- Fixed: Filtering files in FTP mode is possible again.

Version 1.5

- Added: New activate char "simple_search_match_beginning_activate_char= ^ " available in ini.
- Added: Changes in the ini have immediately effect. Restart TC only necessary for: "allow_empty_result"
- Fixed: The option "case_sensitive" was ignored for Russian language. (and probably other languages too) Didn't fix it for the RegEx library.
- Improved wdx support:
  - Added: Groups for wdx plugins. Create them by adding a "wdx_group=..." entry to the ini. (see readme for syntax) Use groups with the new "wdx_separator_char=\".
  - Dirsizecalc seems to work.
  - Unicode filenames are converted to 8.3 when calling plugins without Unicode support.
  - "ft_fulltext" should work now without size limit. (not tested)
  - Changed: Ini option "debug_output" has now 4 states: 0=no output, 1=output wdx errors (default), 2=additional information about wdx values, 3=output all wdx function calls
  - For performance reasons wdx content is only taken from the file if the file is not already included because of the filename.

Version 1.4.2

- Change for ini option "match_beginning": If there is a space before the first written substring the substring can match anywhere in the filename.

Version 1.4.1

- Added: New ini parameter "negate_char=!" to invert the search. The char must be written in front of the whole search string to invert the search.
- Changed: The ini is now searched at path of "tcmatch.dll" first. If not found it is searched in path of "wincmd.ini". If both no ini does exist at all it is tried to create the ini in the same order.
- Changed: The default value of "allow_empty_result" is now 1. (Not changed for existing inis)
- Change for ini option "match_beginning": Just the first written substring must match the beginning of the filename.
- Improved readme file

Version 1.4

- Added: Limited wdx plugin support. See “3. Customizing” of readme for usage.
  - does not work with real unicode files and nonunicode plugins (The conversion from unicode filename to nonunicode filename is currently done char by char.)
  - “ContentGetDetectString” and “Units” are ignored
  - only untranslated Fieldnames can be used
  - only 8192 chars are extracted for long strings
  - DirSizeCalc doesn’t work for an unknown reason
- Added: “match_beginning” to match only when the substrings match either the beginning of the filename or a part of it which follows a space immediately (just try it)
- Changed: A new entry with standard value is created in ini file if it doesn’t exist or has an invalid value. (through ini files from previous installations)
- Rewrote and cleaned up big parts of code. Look out for inconsistencies and bugs.
- Fixed: Small mismatches (case sensitive and pinyin).
- Due to a small bugfix TC 7.5 public beta 6 should be used.

Version 1.3
- Changed: Renamed “separator_char” to “and_separator_char” in ini.
- Added: “or_separator_char” to search either one substring or the other one - use “allow_empty_result=1” in ini to make them work better
- Added: ability to create and use presets
- Added: ini option “filter_files_and_folders” to only filter files or only filter folders (doesn’t work in zip files)
- Added: Auto detect system language on first run to set PinYin ini option to “use_pinyin=1” for Chinese
- Did not fix PinYin support again :-D

Version 1.2.2
- Fixed PinYin support again ;-)

Version 1.2.1
- Fixed PinYin support

Version 1.2
- Added (untested) support for PinYin - thanks to Christian Ghisler and Shanny (Because of slightly performance reasons it has to be activated in the ini: “use_pinyin=1”
- Added new ini parameter to be able to change the Separator from space to any other Separator. Example “separator_char=/”
- Added some more comments to source code.

Version 1.1
- Added the introduced function “MatchGetSetOptions” from Total Commander 7.5 public beta 5
- Drop support for Total Commander 7.5 public beta 4
- Added: always override internal search
- Added: always remove leading/trailing asterisk
- Removed workarounds needed for Total Commander 7.5 public beta 4
- Added history to the readme
- Added new option to ini: “allow_empty_result=0/1”

Version 1.0.2
- Added version informations to dll
- Added readme to the package

- Added readme and history to the post in the Total Commander forum

Version 1.0.1
- Changed: The “tcmatch.ini” isn’t bundled anymore. It’s created on first run in same folder like “wincmd.ini”.
- Changed: Renamed “google_search_activate_char” to “simple_search_activate_char” in ini.

Version 1.0
- Added a similarity search. (Levenshtein)
- Added Google like search for RegEx.
- Added a workaround for open, but not closed parenthesis. (“()[]{}”)
- Added support for an ini file. (activation chars, case sensitivity)
- Fixed absolute paths in source.

Version 1.0 pre3
- Fixed RegEx - thx to “j” it works

Version 1.0 pre2
- Added buggy RegEx :-D

Version 1.0 pre1
- Support for simple search