Using FakeVim Mode

In the **FakeVim** mode, you can run the main editor in a manner similar to the Vim editor. To run the editor in the **FakeVim** mode, select **Edit** > **Advanced** > **Use Vim-style Editing** or press **Alt+V,Alt+V**.

Supported Modes and Commands

In the **FakeVim** mode, most keystrokes in the main editor will be intercepted and interpreted in a way that resembles Vim. Most of the supported commands can be followed by a motion command or executed in visual mode, or they work with registers or can be prefixed with a number of repetitions.

The following sections describe the commands emulated in the supported modes and how they diverge from Vim in functionality:

- Normal
- Visual
- Command line (:)
- Insert and replace

For more information on using Vim, see Documentation on the Vim web site.

Normal and Visual Modes

- Basic movement, such as `h/j/k/l`, `<C-U>`, `<C-D>`, `<C-F>`, `<C-B>`, gg, G, 0, ^, $
- Word movement, such as w, e, b
- *Inner/a* movement, such as `ciw`, `3daw`, ya{
- `f` and `t` movement
- `[ and \c ]` movement
- { and } paragraph movement
- Delete/change/yank/paste with register
- Undo and redo
- `<C-A>` and `<C-X>` increase or decrease a number in decimal, octal, or hexadecimal format (for example `128<C-A>` on or before `"0x0ff"` changes it to `"0x17f"`)
- `.` repeats the last change
- `/search`, `?search`, `*`, `#`, `n`, `N` - most of regular expression syntax is used in Vim except that `\<` and `\>` are the same as `\b` in QRegExp

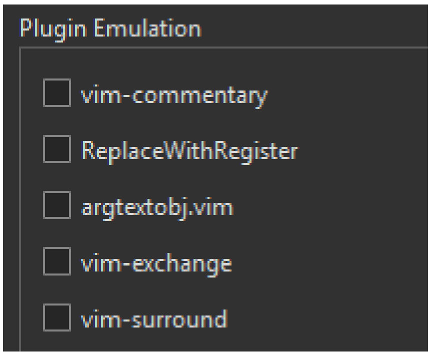
- gv goes to last visual selection; can differ if text is edited around it
- Indentation using =, <<, >>, with movement, count, and in visual mode
- *to upper/lower*, such as ~, gU, gu
- `i`, a, o, `I`, A, and O enter insert mode
- Scroll window, such as `zt`, `zb`, `zz`
- Wrap line movement, such as `gj`, `gk`, `g0`, `g^`, `g$`

Command Line Mode

- `:map`, `:unmap`, `:inoremap`, and so on
- `:source` provides very basic line-by-line sourcing of vimrc files
- `:substitute` substitutes an expression in a range
- `:'<,'>!cmd` filters through an external command (for example, sorts the lines in a file with `:%!sort`)
- `:<range>sor[t][!]`
- `:.!cmd` inserts the standard output of an external command
- `:read`
- `:yank`, `:delete`, `:change`
- `:move`, `:join`
- `:20` goes to an address
- `:history`
- `:registers`, `:display`
- `:nohlsearch`
- `:undo`, `:redo`
- `:normal`
- `:<`, `:>`
- `set formatoptions=`, see `:h fo-table` in the Vim documentation. Currently supported letters: `fo-j`

Plugin Emulation

FakeVim also emulates some popular vim plugins. To enable plugin emulation for particular plugins, select **Edit** > **Preferences** > **FakeVim** > **General** > **Plugin Emulation**.



Plugin Emulation

□ vim-commentary

□ ReplaceWithRegister

□ argtextobj.vim

□ vim-exchange

□ vim-surround

Currently emulated plugins:

  - `[count]["x]gr{motion}` to replace `motion` with the contents of register x.
  - ["x]grr to replace the current line.

- argtextobj.vim: Defines the `ia` and `aa` text objects for function parameters.
- vim-exchange: A text exchange operator for vim.
- vim-surround: Adds mappings for deleting, adding and changing surroundings.

Insert Mode

- `<C-O>` executes a single command and returns to insert mode
- `<C-V>` inserts a raw character
- `<insert>` toggles replace mode

Options

Use `:set ...` to set the options listed in the following table:

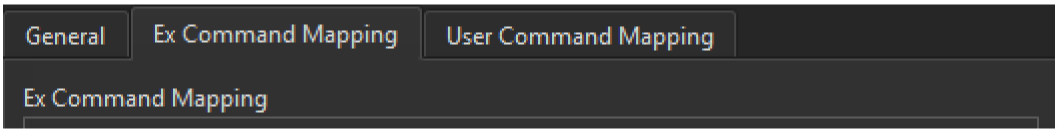
Long Name	Short Name	Arguments
autoindent	ai	
backspace	bs	indent, eol, start
blinkingcursor	bc	
clipboard	cb	
expandtab	et	
hlsearch	hls	
ignorecase	ic	
incsearch	is	
iskeyword	isk	A combination of the following characters: @, 48-57, _, 192-255, a-z, A-Z
relativenumber	rnu	
scrolloff	so	
shiftwidth	sw	
showcmd	sc	
smartcase	scs	
smartindent	si	
smarttab	sta	
startofline	sol	
tabstop	ts	
tildeop	top	
usecoresearch	ucs	
wrapscan	ws	

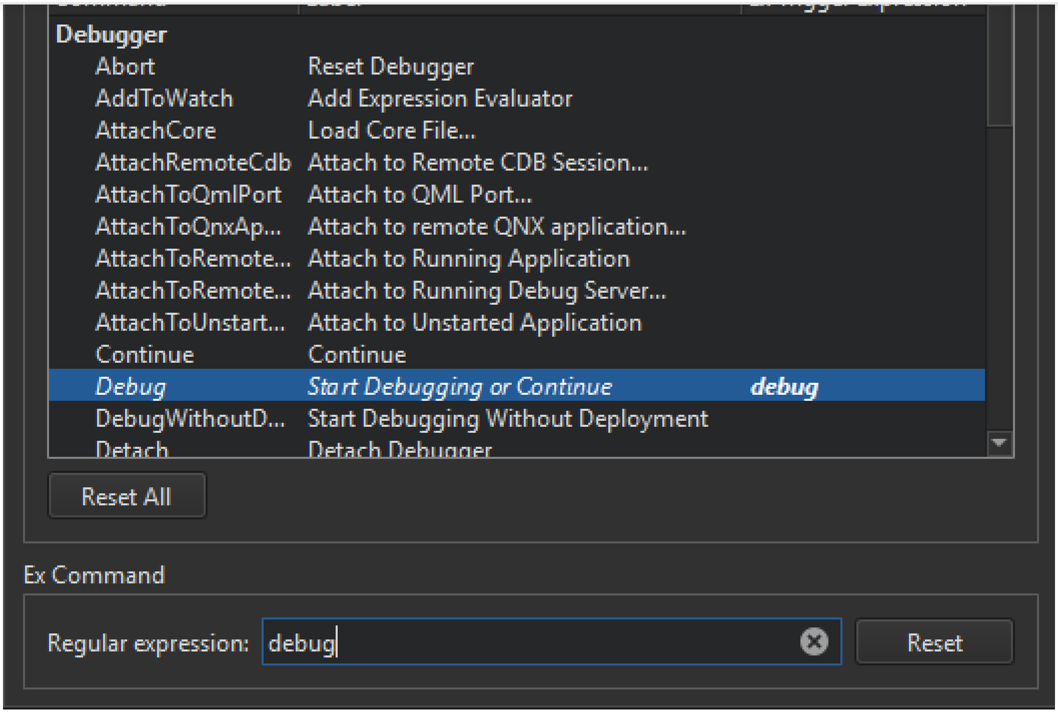
Vimrc Example

```
" highlight matched
set hlsearch
" case insensitive search
set ignorecase
set smartcase
" search while typing
set incsearch
" wrap-around when searching
set wrapscan
" show pressed keys in lower right corner
set showcmd
" tab -> spaces
set expandtab
set tabstop=4
set shiftwidth=4
" keep a 5 line buffer for the cursor from top/bottom of window
set scrolloff=5
" X11 clipboard
set clipboard=unnamed
" use ~ with movement
set tildeop

" mappings
nnoremap ; :
inoremap jj <Esc>

" clear highlighted search term on space
noremap <silent> <Space> :nohls<CR>

" reselect visual block after indent
vnoremap < <gv
vnoremap > >gv

" MOVE LINE/BLOCK
nnoremap <C-S-J> :m+<CR>==
nnoremap <C-S-K> :m-2<CR>==
inoremap <C-S-J> <Esc>:m+<CR>==gi
inoremap <C-S-K> <Esc>:m-2<CR>==gi
vnoremap <C-S-J> :m'>+<CR>gv=gv
vnoremap <C-S-K> :m-2<CR>gv=gv
```

Mapping FakeVim Commands

To map commands entered on the **FakeVim** command line to Qt Creator functions, select **Edit** > **Preferences** > **FakeVim** > **Ex Command Mapping**. Enter a string in the **Filter** field to search for a specific Qt Creator function.





Debugger		
Abort	Reset Debugger	
AddToWatch	Add Expression Evaluator	
AttachCore	Load Core File...	
AttachRemoteCdb	Attach to Remote CDB Session...	
AttachToQmlPort	Attach to QML Port...	
AttachToQnxAp...	Attach to remote QNX application...	
AttachToRemote...	Attach to Running Application	
AttachToRemote...	Attach to Running Debug Server...	
AttachToUnstart...	Attach to Unstarted Application	
Continue	Continue	
Debug	*Start Debugging or Continue*	***debug***
DebugWithoutD...	Start Debugging Without Deployment	
Detach	Detach Debugger	

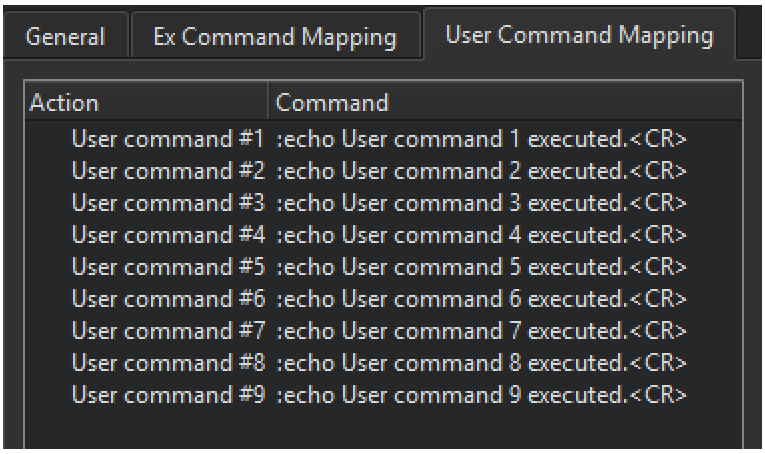
Ex Command

Regular expression: debug

Select a function in the list, and enter a string that will trigger the function in the **Regular expression** field. You can view the trigger expression in the **Ex Trigger Expression** field. To remove the trigger expression, select **Reset**.

To reset the trigger expressions for all functions, select **Reset All**.

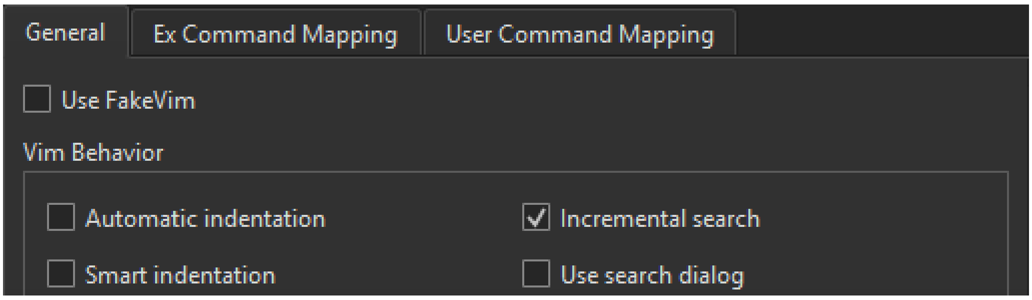
To map *user commands* to keyboard shortcuts, select **Edit** > **Preferences** > **FakeVim** > **User Command Mapping**. The user command mapped to the shortcut is executed by FakeVim as if you were typing it (as when replaying a macro).



Action	Command
User command #1	:echo User command 1 executed.<CR>
User command #2	:echo User command 2 executed.<CR>
User command #3	:echo User command 3 executed.<CR>
User command #4	:echo User command 4 executed.<CR>
User command #5	:echo User command 5 executed.<CR>
User command #6	:echo User command 6 executed.<CR>
User command #7	:echo User command 7 executed.<CR>
User command #8	:echo User command 8 executed.<CR>
User command #9	:echo User command 9 executed.<CR>

Setting FakeVim Preferences

To make changes to the Vim-style settings, select **Edit** > **Preferences** > **FakeVim** > **General**.

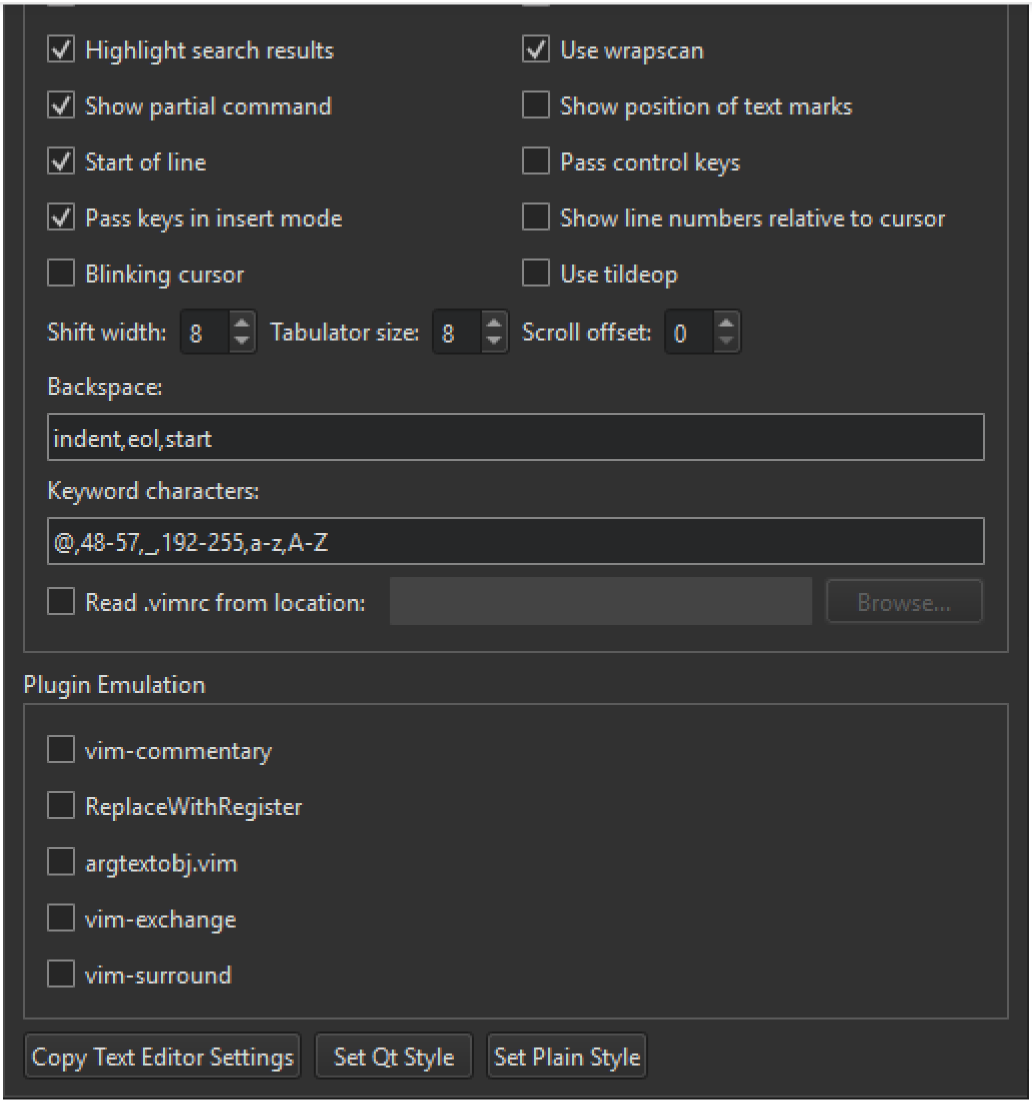


□ Use FakeVim

Vim Behavior

□ Automatic indentation ☑ Incremental search

□ Smart indentation □ Use search dialog



☑ Highlight search results
☑ Use wrapscan
☑ Show partial command
□ Show position of text marks
☑ Start of line
□ Pass control keys
☑ Pass keys in insert mode
□ Show line numbers relative to cursor
□ Blinking cursor
□ Use tildeop

Shift width: 8 Tabulator size: 8 Scroll offset: 0

Backspace: indent,eol,start

Keyword characters: @,48-57,_,192-255,a-z,A-Z

□ Read .vimrc from location:

Plugin Emulation

□ vim-commentary
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To preselect the indentation settings specified for the text editor, select **Copy Text Editor Settings**. To preselect the Qt coding style, select **Set Qt Style**. To preselect a simple indentation style, select **Set Plain Style**. You can then change any of the preselected settings.

To use a Vim-style color scheme, select **Edit** > **Preferences** > **Text Editor** > **Fonts & Color**. In the **Color Scheme** list, select **Vim (dark)**.

Quitting FakeVim Mode

To quit the FakeVim mode, unselect **Edit** > **Preferences** > **FakeVim** > **Use FakeVim** or press **Alt+V,Alt+V**.

You can temporarily escape FakeVim mode to access the normal Qt Creator keyboard shortcuts like **Ctrl-R** for **Run** by first pressing the comma key (,).

‹ Specifying Text Editor Settings

Using Language Servers ›

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