

slimv in a container

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[justin2004](#) note

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✓ 20 days ago

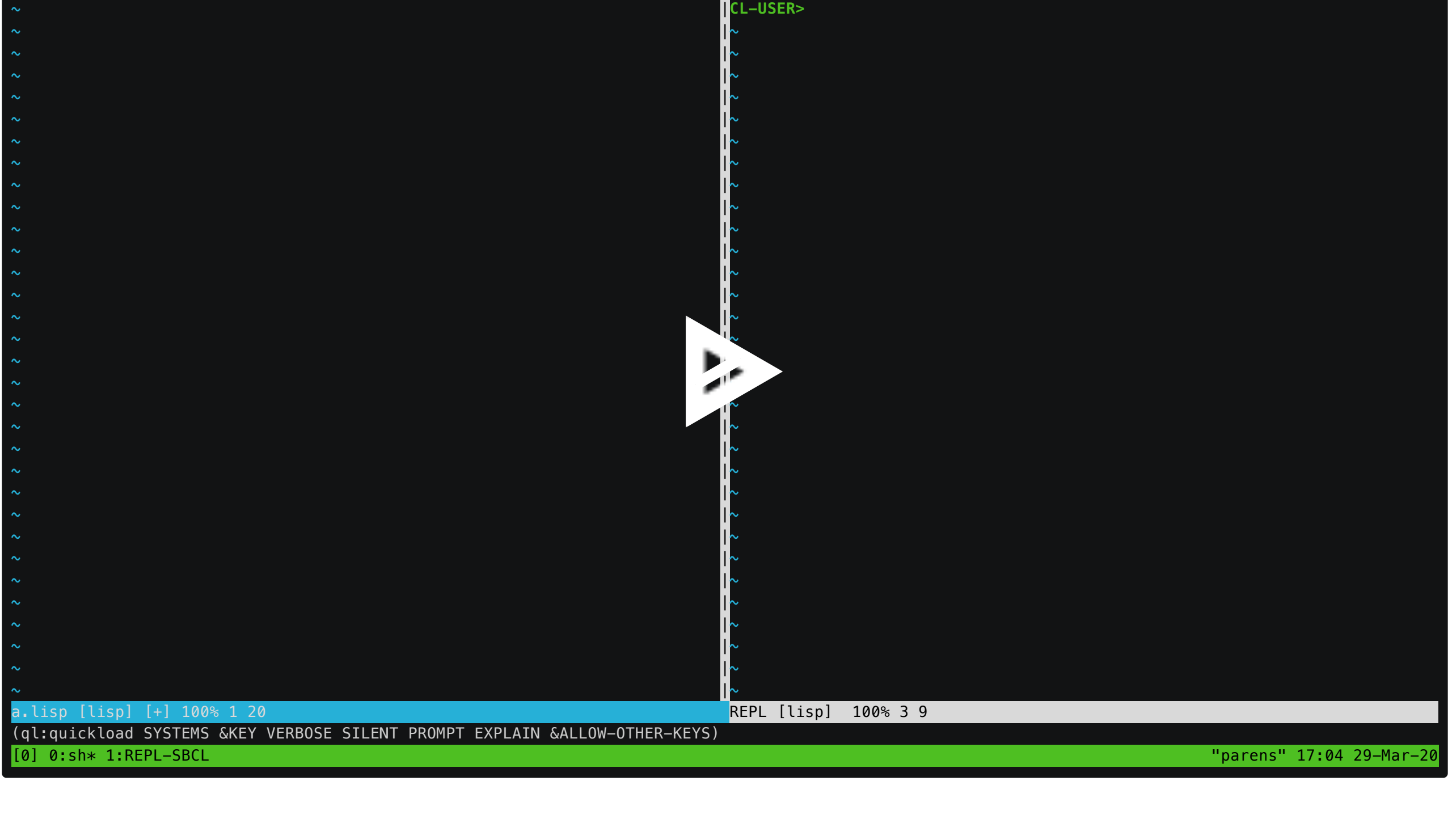
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what

- an IDE for Common Lisp
- [slimv](#) (Superior Lisp Interaction Mode for Vim) and tmux (terminal multiplexer) in a Docker container
- with [sbcl](#) and [abcl](#)
 - you choose one at container run time with an environment variable (see below)
- also including:
 - [quicklisp](#)
 - a copy of the common lisp hyperspec (for offline use)
 - which opens with [w3m.vim](#) (a vim plugin for w3m)
 - support for [CEPL](#) on a system without hardware acceleration
 - [fzf](#) (fuzzy finder)
 - to find files in your current host directory press `:FZF`
 - to find files in quicklisp packages press `:FZF ~`
 - then press ctrl-x to bring that selected file into a horizontal split
 - [vim-sexp](#)
 - if you want to disable structural editing you can edit `.vimrc` , comment out `Plugin 'guns/vim-sexp'` , and rebuild the image



why

- setting up slimv the first time took me a few hours and that could be an impediment to someone attempting to use slimv so i wanted to remove the impediment for first time slimv users

how

setup

- you need to have docker installed
 - [install_docker](#)
 - you'll probably want to follow the instructions referenced by "Continue to Linux postinstall to allow non-privileged users to run Docker commands and for other optional configuration steps."
- then you have to build this image yourself
 - clone this repo and cd into it

```
docker build --build-arg=uid=`id -u` --build-arg=g:
```

- then i would create an alias in your .bashrc like this
 - for sbcl

```
alias vv='docker run --user=`id -u`:`id -u` -e CL
```

- then another
 - for abcl

```
alias vva='docker run --user=`id -u`:`id -u` -e CL
```

- then perhaps another
 - if you want to output to X11 (for CEPL)

```
alias vvc='docker run -e DISPLAY=$DISPLAY -v ~/.Xa
```

use

- assuming you've built the image already
- cd to the directory where you have some common lisp source files you want to edit
- run "vv"
- now you should be in the container and vim should be running inside tmux
- either create a new file ":e newfile.lisp" or open an existing one ":e oldfile.lisp"
- press ,c to start swank
- you can now follow the [tutorial](#):
- when you are done editing your .lisp files be sure to :w them, press ,Q to quit the sbcl REPL, then :q

NOTES

- if you don't want to wait for the quicklisp downloads each time you start slimv_box then use a docker volume
 - e.g.
- ```
alias vv='docker run --user=`id -u`:`id -u` --rm -v /mnt
```
- only files in the /mnt directory (in the container) are saved when you leave vim!
  - don't run vv from within an existing tmux session or else you'll end up with an embedded tmux session
  - you'll need to know how to use:
    - vim
    - tmux
    - common lisp
    - docker (well you just need docker ce installed and your user account needs to be in the docker group)
  - TODO maybe i should add gvim and/or xterm support so that the slimv menu is visible and clickable because i bet some users would prefer the GUI-ish approach to slimv

## Releases

No releases published

## Packages

No packages published

## Languages

