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Using an installer

- For Windows: Visit
 https://ftp.gnu.org/gnu/emacs/windows/. We
 recommend using emacs-27 since the website blocks the latest version for some reason
- For MacOs: Direct link emacs-28

Using a package manager

- For MacOs:
 - Using Homebrew: brew install --cask emacs
 - Using MacPorts: sudo port install emacs-app
- For Linux:
 - Debian/Ubuntu: sudo apt-get install emacs
 - Arch Linux: sudo pacman -S emacs
 - Fedora: sudo dnf install emacs
 - openSUSE: sudo zypper install emacs

Note: MacOs doesn't come with homebrew nor macports preinstalled.

- To install Homebrew visit https://brew.sh
- To install MacPorts visit https://guide.macports.org/ chunked/installing.macports.html



More options

For more details visit:

https://www.gnu.org/software/emacs/download.html

Using an installer

Visit https://download.racket-lang.org. Choose your appropriate platform/os and click on the blue download button:

Version 8.7 (November 2022)



Figure: Racket Official Website

For Linux operating system, the latter provides a shell script which will install the necessary files in your system.

(Optional) Using the script for Linux

- Execute the command sh racket-8.7-x86_64-linux-cs.sh
- (Suggested) Indicate 'no' if asked 'Do you want a Unix-style distribution?' This allows us to specify a location to install the files.
- (Suggested) Indicate option 4 to install racket.
- Press enter to accept defaults.

Using a package manager

- For MacOs: brew install --cask racket
- For Linux:
 - Debian/Ubuntu: sudo add-apt-repository ppa:plt/racket sudo apt-get install racket
 - Arch Linux: sudo pacman -S racket
 - Fedora: sudo dnf install racket
 - openSUSE: sudo zypper install racket

Using binaries

- For Windows: Download and extract this tarball.
- For MacOs: Available binaries are in https: //www.haskell.org/ghc/download_ghc_9_4_4.html. Not recommended as libraries are not automatically linked and default Apple privacy settings will make hard their interaction.
- For Linux: Download and extract this tarball. Inside the extracted directory execute the configure script and then sudo make install.

Note: This approach is not recommended since the installation scripts do not provide an easy way to uninstall the installed files.

Using a package manager

- For MacOs:
 - Using Homebrew: brew install ghc
 - Using MacPorts: sudo port install ghc
- For Linux:
 - Debian/Ubuntu: sudo apt-get install ghc
 - Arch Linux: sudo pacman -S ghc
 - Fedora: sudo dnf install ghc
 - openSUSE: sudo zypper install ghc

Location of init.el

- Emacs is a highly customizable editor. Emacs users can specify additional functionality using the "init.el".
- "init.el" is usually located in the following path:
 - Windows: C:\Users\<USER>\AppData\Roaming\.emacs.d
 - MacOs: \$HOME/.emacs.d
 - Linux: \$HOME/.emacs.d

Suggested init.el (1/4)

 We recommend the following changes to your "init.el" file to allow us work with the software installed so far:

Suggested init.el (2/4)

```
(setq package-list '(haskell-mode))
; fetch the list of packages available
(unless package-archive-contents
  (package-refresh-contents))
; install the missing packages
(dolist (package package-list)
  (unless (package-installed-p package)
    (package-install package)))
```

Suggested init.el (3/4)

```
;; Basic UI setup
(require 'font-lock)
(global-font-lock-mode t)
(show-paren-mode 1)
(put 'upcase-region 'disabled nil)
(put 'eval-expression 'disabled nil)
;; Basic Racket setup
(setq scheme-program-name "<PATH-TO-RACKET>")
(setq auto-mode-alist
      (cons '("\\.rkt\\'," . scheme-mode)
            auto-mode-alist))
```

Suggested init.el (4/4)

Locations - Racket

- Using installers:
 - Windows: C:\Program Files\Racket
 - MacOs: /Applications/Racket v8.7/bin
 - Linux: <CHOOSEN LOCATION>/racket/bin
- Using package managers: The output of the command which racket is the path where racket is located in your system.

Locations - Haskell

- Using binary packages:
 - Windows: <CHOSEN-LOCATION>\ ghc-9.4.4-x86_64-unknown-mingw32-int_native.tar\ ghc-9.4.4-x86_64-unknown-mingw32\bin

 - Linux: <CHOSEN LOCATION>/ghc-9.4.4-x86_64-unknown-linux/bin
- Using package managers: The output of the command which ghc is the path where ghc is located in your system.