

Installing Petite *Chez* Scheme in OSX

The following discussion occurred on Piazza in the spring of 2016:

Installing Petite Chez Scheme

I am having trouble installing Petite Chez Scheme on my Mac OS X (10.11 El Capitan). I tried following the instructions in the link from the syllabus, but the package mentioned doesn't seem to exist and other packages that I have tried failed to install. Am I missing something, or would it just be simpler to install it on the Rose laptop?

Edit: Thanks for the help. I will probably just install it on my Rose laptop.

misc

 .good question0

Updated 6 months ago by Netta Gneezy

the students' answer,

where students collectively construct a single answer

If it installed successfully, check `/usr/local/bin/` for petite, check `/usr/lib/`, and `/usr/bin`. sometimes it can go to the local bin instead. I installed it a while back when they didn't have those instructions for El Capitan and I had to boot into safe mode and allow all programs. Might as well try that.

P.S. The latter option makes your mac a little more vulnerable.

 .good answer1

Updated 6 months ago by Ishank Tandon

the instructors' answer,

where instructors collectively construct a single answer

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followup discussions

for lingering questions and comments



Resolved



Unresolved



Adam Gastineau 6 months ago

It's actually rather easy to install and get working on OS X 10.11. The process is as follows:

1. Download [pcsv8.4-a6osx-1.pkg.tar.gz](#) from the Petite Chez Scheme website (or by clicking the provided link)
2. Disable [rootless](#) by booting into your Recovery partition and running "`csrutil disable`". Rootless is a security feature added in El Capitan that write protects `/System`, `/bin`, `/sbin`, and `/usr`, even when running programs from root. As a developer though, there isn't much point in leaving it enabled, as developers often modify those directories (in fact, most of the Apple employees I know disabled it as soon as they could).
3. Reboot normally, and install the downloaded package.

4. Run "petite" to verify your Scheme installation, and type "(exit)" to terminate the program.
5. (Optional) Reenable rootless by booting into your Recovery partition and running "csrutil enable". Again, if you are going to do any significant development work on your Mac, I would highly suggest leaving rootless disabled.



Xiangqing Zhang 5 months ago

If you are unfamiliar to the new rootless mode in El Captain, here's a quick workaround approach that even doesn't require rebooting OS X:

1. Download the [tar.gz nonthreaded version](#) of Petite Chez Scheme for Mac OS X
2. Unzip the tar.gz somewhere
3. Open your terminal
4. **cd** into the unzipped "csv8.4" folder
5. Type **`cd custom`** (only the bold text, no quotes included)
6. Type **`.configure --installprefix=/usr/local`** (You can also choose another installation path; I prefer /usr/local here)
7. Type **`sudo make install`** (note the **sudo** is possibly needed)
8. Now you have successfully installed Petite Chez Scheme! Try to run **`petite`** in the terminal and see if it opens scheme. Once you finish playing with it, type **`(exit)`** to exit.

If you have further questions, please email me (zhangx2@rose) or talk to me in the next week's lab assistant hours.

Thanks,
Jackie



George Zhang 5 months ago

Works great. Thanks Jackie.