

Installing and setting up WebMO

1. Have your IT department set up a Apache capable webserver on a Mac or Linux machine
2. Obtain a free license from WebMO at <https://www.webmo.net/get/basic.html>
3. Download WebMO at <http://www.webmo.net/download/index.html>
4. Download PSI4 from your flash drive onto the webserver. If you want to get an updated version of PSI4 it can be found at <http://www.psicode.org/>
5. Installing Prerequisites
 - Mac: Install XCode via the App Store, Make sure you open XCode and accept the license agreement after you install.
 - Linux: Install blas, lapack, make, gcc, python-devel via a package manager (apt-get, yum, etc...)
6. Install WebMO on the webserver by following the link for the appropriate operating system
 - a) Information needed before starting the installation
 - i License Number
 - ii Location of perl (probably /usr/bin/perl)
 - iii Webserver Name
 - iv Location for webpage files to be placed
 - v URL for location in iv
 - vi Location for cgi-bin files (can be inside of iv)
 - vii URL for location in vi
 - viii Location for the user directories (can be inside of iv)

- b) Follow the instructions for the operating system you are installing WebMO onto. (Note: There is a Windows compatible version of WebMO but not for PSI4 so you need to use a Mac or Linux machine.)

- OSX: http://www.webmo.net/support/installation_osx.html
- Linux/Unix: <http://www.webmo.net/support/installation.html>

7. Install PSI4 following these directions inside a Terminal (Located in Finder->Applications->Utilities->Terminal.app)

- a) Using gunzip, unzip the psi4.XXX.tar.gz
- b) Using tar xf, untar the psi4.XXX.tar
- c) cd into the untarred directory
- d) mkdir objdir
- e) cd objdir
- f) ../configure
- g) make
- h) make quicktests
- i) make install
 - If using a Mac, you will need to enter your Administrator Password
 - If using Linux, become root before you typing make install

8. Go to your WebMO login page and log-in as the administrator

- a) Click Interface Manager
- b) Click the lock icon to enable the PSI4 interface
- c) Click the icon next to the lock to edit the interface
- d) Fill-in "Psi Directory" with "/usr/local/psi4"

9. System Manager

- a) CPU Cores – Allows WebMO to run more than 1 job at a time
- b) Registered User/Login Message – Allow you to give messages to users who log in and visit the website
- c) Authentication – Possibly allows WebMO to use usernames/passwords from your university system (so that you don't need to create new ones for the students). Ask your IT person about this.

10. Adding Users

- a) Can add single users with “New User” button
- b) Can add groups of users with “Import Users”