



# Preparing for the course

## **THE SOFTWARE WE WILL BE USING**

We have compiled a list of software that we will be using over the course of the next few weeks and hopefully if you will continue to use it for many years to come. If you have any problems installing any of the software below please contact us prior to the course so that we can sort out any problems before we get started and don't waste any time on the day.

**This guide has been broken up into three sections:**

OS X, Windows and Linux

## OS X

### Ruby 1.8.6/1.8.7

Ruby on OS X comes with the developer tools that can be found on your installation disk.

```
$ ruby -v
ruby 1.8.7 (2009-06-08 patchlevel 173) [universal-darwin10.0]
```

### RubyGems

RubyGems is the standard Ruby package manager. You should already have this as it comes with OS X 10.5+ but you will want to update it:

```
$ sudo gem update --system
$ gem -v
1.3.6
```

### Rails 2.3.5

You are now ready to install rails, open up terminal and type the following:

```
$ sudo gem install rails
$ rails -v
2.3.5
```

### Git

Git is for source control, deployment and access to the 1000s of Ruby/Rails open source projects.

Download Git 1.7 or Download latest version

Open the DMG and install the package.

```
$ git --version
git version 1.7.0.3
```

### Text Editor

“A bad craftsman blames his [bad] tools.”

Mocra loves TextMate.

This is what you are going to be spending most of your time in so use something you are comfortable with that also has good syntax highlighting support.

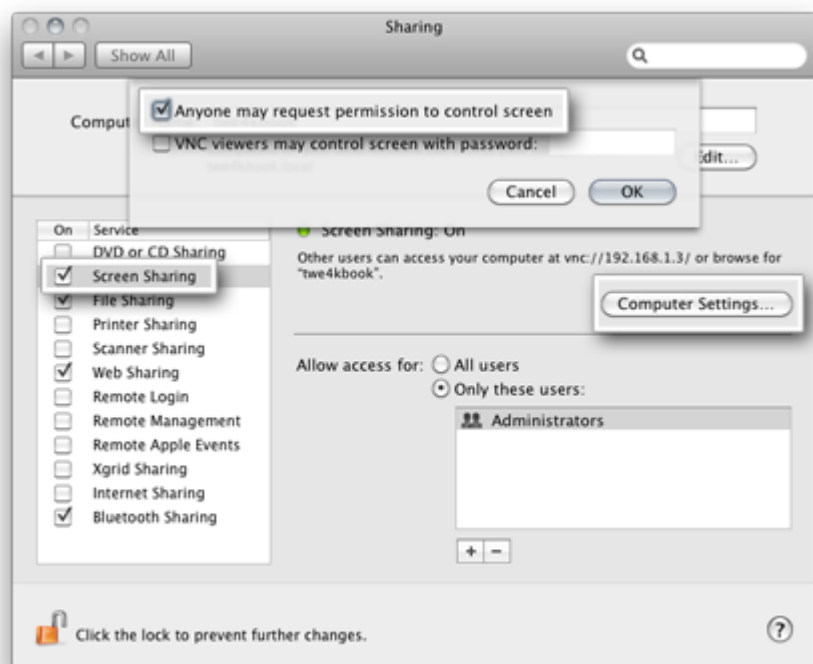
- Textmate – free for 30 days or more; 100s of extensions
- RadRails – free; built on Eclipse/Java
- Vim – free; the legend of terminal editors

## Screen Sharing

Instructors will teach by showing your own computer on the communal projector. How? Via screen sharing.

Turn on screen sharing:

1. Go into your 'System Preferences'
2. Open 'Sharing'
3. Tick 'Screen Sharing'
4. Open 'Computer Settings'
5. Tick 'Anyone may request permission to control screen'



## WINDOWS

### Install Cygwin

Download Cygwin from [www.cygwin.com/setup.exe](http://www.cygwin.com/setup.exe) and start the installing. When the installer asks you to chose a download site chose *mirror.arinet.edu.au* and click *next*. Next you will be asked to choose what packages you want to install, select the following:

- ruby (1.8.7) (click till it says *source*)
- wget
- sqlite3 (set all 3 versions to *source*)
- gcc
- git
- git-completions
- git-gui
- make

### Install Console

Download and install Console from <http://sourceforge.net/projects/console/> and go into the *settings* and click *add* under *tabs* then set the *shell* field to `c:\cygwin\bin\bash --login -i` and move it to the top of the tabs list.

### Install Ruby Gems

```
$ mkdir tmp
$ cd tmp
$ wget http://rubyforge.org/frs/download.php/69365/\
rubygems-1.3.6.tgz
$ tar xfv rubygems-1.3.6.tgz
$ cd rubygems-1.3.6
$ ruby setup.rb
$ gem -v
1.3.6
```

### Install rails

```
$ gem install rails --include-dependencies
$ rails -v
2.3.5
```

### Install sqlite3

```
$ gem install sqlite3-ruby --platform x86-mswin32
```

### Make a Sites folder

Somewhere to keep your  
rails applications

```
$ cd ~  
$ mkdir Sites  
$ cd Sites  
$ rails testapp
```

### Text Editor

We recommend using E Text  
Editor

This is what you are going to be spending most of your time in so use something you are comfortable with that also has good syntax highlighting support.

A great shortcut when using  
E Text Editor is to type `e .`  
in console when you want to  
open the current folder

- E Text Editor – free for 30 days; supports textmate bundles
- Notepad++ free; fast and light.
- InType – free; still in alpha
- RadRails – free; full ruby on rails development environment
- Vim – free; the legend of command-line editors

### Screen Sharing

Instructors will teach by showing your own computer on the communal projector.  
How? Via screen sharing.

To set up screen sharing head over to the TightVNC website and download the 2.0 Beta 1 and install, when it asks you for a *Primary password* set it to 'mocra'. You will need to keep this app running during the Mocra Ruby on Rails training course.

## LINUX (UBUNTU)

The following steps are a shortened version of a document that can be found at <https://help.ubuntu.com/community/RubyOnRails>

### Get Ruby

```
$ sudo apt-get install ruby-full build-essential
$ sudo aptitude install ruby build-essential\
libopenssl-ruby ruby1.8-dev
$ ruby -v
ruby 1.8.7
```

### Install Ruby Gems

```
$ sudo apt-get install rubygems
$ export PATH=/var/lib/gems/1.8/bin:$PATH
$ gem -v
1.3.5
```

### Install Rails

```
$ sudo gem install rails
$ rails -v
2.3.5
```

### Install SQLite3

```
$ sudo apt-get install libsqlite3-dev
$ sudo gem install sqlite3-ruby
```

### Text Editor

This is what you are going to be spending most of your time in so use something you are comfortable with that also has good syntax highlighting support.

rails.vim is the one true *Vim* plugin for Ruby on Rails <http://rails.vim.tpo.net/>

- *Scribes* – free; Simple, slim and sleek, yet powerful
- *RadRails* – free; full ruby on rails development environment
- *Vim* – free; the legend of terminal editors

### Screen Sharing

To set up screen sharing head over to the *TightVNC* website and download and install, when it asks you for a *Primary password* set it to '*mocra*'. You will need to keep this app running during the *Mocra Ruby on Rails* training course.

## WHATS NEXT?

If all that went smoothly you are now ready for the Mocra Learn Ruby on Rails course. If you are having problems with any of the steps don't hesitate to flick us an email and we will sort you out.

See you soon.

## Got 15 Minutes?

If you want to run through a basic ruby tutorial head over to [tryruby.org](http://tryruby.org) and try out ruby in your web browser!