

# Deploying the REC locally

## Development Environment

This document assumes that you are using a Linux/Unix based operating system.

## Technologies

The REC is a Ruby on Rails application:

- Ruby v1.9.3 - More on the Ruby language: <http://www.ruby-lang.org>
- Rails v3.0.1- More on the Ruby on Rails web framework: <http://rubyonrails.org/>

The REC is designed to work with Google Chrome web browser.

## Configuring the Development Environment

### Install Google Chrome Web Browser

Follow the instructions at: <https://www.google.com/intl/en/chrome/browser/>

### Install RVM - Ruby Version Manager

RVM is a command-line tool which allows you to easily install, manage, and work with multiple Ruby environments from interpreters to sets of gems.

1. Make sure to meet the prerequisites for RVM: <https://rvm.io/rvm/prerequisites/>
2. Follow the install instructions: <https://rvm.io/rvm/install/>

### Install Ruby v1.9.3

Open a terminal and run the following command:

```
$ rvm install 1.9.3
```

## Deploying the REC

### Getting the Source Code

The source code is available on the Dropbox folder *“/rec/source/app.tar.bz2”*. Copy the tarball and decompress it where suitable (do not decompress it in the Dropbox folder).

## Setting Up the Application

Open a terminal and run the following commands:

<code>\$ cd path_to_rec_source</code>	
<code>\$ rvm 1.9.3</code>	<i>Loads the correct version of Ruby</i>
<code>\$ bundle install</code>	<i>Installs the necessary Gems for the application</i>
<code>\$ rake db:migrate</code>	<i>Creates database and tables</i>
<code>\$ rake db:seed</code>	<i>Load the initial data into the database</i>

## Starting the Web Server

Rails comes with a web server called WEBrick. To start the web server open a terminal and run the following commands:

<code>\$ cd path_to_rec_source</code>	
<code>\$ rvm 1.9.3</code>	<i>Loads the correct version of ruby</i>
<code>\$ rails server</code>	<i>Starts the web server at <a href="http://localhost:3000">http://localhost:3000</a></i>

The application is available at <http://localhost:3000>. You can change the port by adding the `-p` option followed by the port number.