# Empathica

This short guide contains the information related to the Empathica software package developed for Paul Thagard.

## Getting Empathica Source Code

Empathica is currently hosted on the servers of the Computational Neuroscience Research Group (CNRG) at the University of Waterloo. In order to obtain the latest version of the Empathica source code proceed as follows:

1. Download and install the latest version of svn available at <http://www.sliksvn.com/en/download>
2. Download and install the latest version of TortoiseSVN available at <http://tortoisesvn.net/downloads.html>
3. Right click on the folder you want to fetch the code to and select “SVN Repo Browser” and enter the link given below

OR

Alternatively, open the terminal and type “svn co {link given below} {destination for the code}”

Repo Link: <http://ctnsrv.uwaterloo.ca/svn/esolodkin/trunk/Empathica>

Empathica is written in python and uses the web2py framework. It is strongly recommended to look through the web2py documentation available at <http://web2py.com/book> prior to making major modifications to the source code.

## Running Empathica on a Local Computer

Empathica is written to support two different execution modes. Namely, it can run as a standalone application with its own SQLLite database or connect to the Google Apps framework. The primary difference between these two modes of execution is in the management of user accounts.

### Standalone Mode

To run Empathica in standalone mode:

1. Download and install Python 2.6 or 2.7 available at <http://www.python.org/download/>
2. Open the system terminal/console and navigate to the Python directory
3. Type “python {path to empathica folder containing web2py.py}/web2py.py”
4. This will start a local web2py server and you will be prompted to select the server password for this session (type anything)
5. Press Start
6. This will bring up the index page of Empathica in the default browser
7. Now type <http://127.0.0.1:8000/empathica/default/user/register> in the browser’s url bar (by default a clean installation of Empathica will have no users and there is no interface exposed for adding new users)
8. When you register you will be auto-logged in and ready to use Empathica

### Google Apps Mode

To run Empathica in Google Apps mode:

1. Download the Google App Engine launcher available at <http://code.google.com/appengine/downloads.html>
2. Open the Launcher and in menu options click add application
3. Browse to and select the top level Empathica folder (the one containing web2py.py)
4. At this point you could launch the application by selecting it in the application list and clicking the “Run” button (the users will be authenticated using their Google account)
5. To see the application you need to select in the list and click the “Browse” button

## Deploying Empathica

Empathica could easily be deployed using the Google Apps launcher:

1. Start the Google Apps launcher
2. Select Empathica in the list of applications
3. Click the “Deploy” button
4. Enter “[empathicadev@gmail.com](mailto:empathicadev@gmail.com)” for email and “empathica” for password
5. Once authorization is complete, the deployment process will start automatically