

How to setup testing environment for Heliconius web application

1. Download and install **SVN client**.
 - Microsoft Windows: <http://tortoisesvn.net/downloads> to download [TortoiseSVN](#)
 - Other: http://subversion.tigris.org/project_packages.html
2. Check out **heliconius** project from sourceforge
 - Whole project: <https://heliconiusdb.svn.sourceforge.net/svnroot/heliconiusdb/>
 - Web application: <https://heliconiusdb.svn.sourceforge.net/svnroot/heliconiusdb/trunk>
 - For convenience, suppose you checked out the whole project to “C:\heliconius\”
3. Download and install **ant**
 - Download ant from <http://ant.apache.org/bindownload.cgi>
 - Extract the downloaded file to a local folder, e.g. C:\ant1_7_0
 - Add ant to the PATH environment variable. Given that ant has been extracted to “C:\ant1_7_0”, add “; C:\ant1_7_0\bin” to the current PATH. If you need help in setting the PATH environment variable, go:
<http://www.computerhope.com/issues/ch000549.htm>
4. Download and install tomcat 5.5
 - Download tomcat installer from <http://tomcat.apache.org/download-55.cgi>
 - Double click the downloaded installer exe file to install tomcat to a local folder, e.g. C:\tomcat5
5. Change user name and password in the hibernate configuration file
 - Open “c:\heliconius\trunk\webapp\src\hibernate.cfg.xml” in a text editor
 - Find tag **<property name="connection.username">** and change its value to your user name for the heliconius database. It will look like:

<property name="connection.username">your user name</property>
 - Find tag **<property name="connection.url">** and change its value to the development database. It will look like:

<property name="connection.url">jdbc:postgresql://darwin.nescent.org/heliconius</property>
 - Find tag **<property name="connection.password">** and change its value to your password for the heliconius database. It will look like:

<property name="connection. password ">your password</property>
6. Run ant task to build war file (For windows users only)
 - Click start and click ‘Run ... ‘
 - Type “cmd” and click OK
 - In the DOS prompt, type “cd c:\heliconius\trunk\webapp\”
 - Type “ant” to run the ant task

- If ant runs successfully, a new folder “out” will be created under the webapp folder. The war file “heliconius_ws.war” should be found there.
7. Deploy war file
 - Copy the heliconius_ws.war file to “C:\tomcat5\webapps\”
 - Restart tomcat
 8. Test app in the browser
 - Wait for a while, usually 0.5-1 min, to let tomcat extract the war file.
 - Start a web browser (IE or firefox or others) and put http://localhost:8080/heliconius_ws in the address bar and enter.
 9. When changes made to the application, re-compilation and re-deployment are required to take the changes into effect, which means step 6 and 7 are required.