

BioCASE/SYNTHESYS/EDIT Specimen data portal

You need:

- some basic system/networking administration knowledge
- minor Python knowledges would be a plus
- a web server (Apache, IIS ...) (and administration rights)
- a units sample database, structured like the SYNTHESYS slide databases (contact support@biocase.org to get a sample)
- a database sample for the auto-suggest feature (optional)
- to install:
 - Python (version ≥ 2.4) <http://www.python.org/download/>
 - CherryPy (2.2 \leq version \leq 3.0) <http://download.cherrypy.org/cherrypy/2.3.0/>
 - Kid Templates <http://www.kid-templating.org/>
 - MySQLdb <http://sourceforge.net/projects/mysql-python>
 - pycopg <http://initd.org/software/initd/pycopg>
 - pymssql <http://pymssql.sourceforge.net/>
 - libxml2 and libxslt <http://xmlsoft.org/downloads.htm>
 - feedparser <http://www.feedparser.org>
 - pyExceleator <http://sourceforge.net/projects/pyexceleator>

Portal installation:

- download source from the svn <http://ww2.biocase.org/svn/edit/branches/editUnitPortalSoftware/>
- rename the folder (choose your own name for the portal) – and move it into your favourite directory
- open a command line editor, and go to your favourite directory
 - Linux/Mac
 - run “python setup.py”
 - Windows
 - run “C:\yourPythonPath\python.exe setup.py”
- answer each question to set the different parameters; you will be able to change/correct them in the configuration files if needed
- update your web server's configuration file with the proposed configuration lines
- restart your web server
- test your installation (URL get displayed at the end of the configuration)

Change configuration:

The configuration parameters can be changes in the following files – be careful-

General configuration:

- *webapp/configfile.cfg* *cherrypy and application general settings – you should not change anything here except the URLs of the XSLTs*
- *config/admin.ini* *specifies if the portal is for taxonomists or “normal” users*
- *config/config.ini* *mail server properties, portal's name and location, thesaurus configuration file's location*
- *config/logconf.ini* *logging properties*

Thesaurus configuration:

in *webapp/static/xml*

- *references.xml* *the list of thesaurus with their official names and display names(user friendly), display references. The boolean “reference display='True'” specifies if the thesaurus has to be used for the current portal installation.*
- *relations.xml* *the list of relations known by the different thesaurus, with user friendly names.*
- *thesaurusList.xml* *the list of available thesaurus for the version for taxonomists; type=name of the thesaurus (must match the configuration's file name in TOQE) and the TOQE URL to access the service.*
- *thesaurusListSimple.xml* *the list of available thesaurus for the simple version (author names and concepts will not be displayed); type=name of the thesaurus (must match the configuration's file name in TOQE) and the TOQE URL to access the service.*