

Structure:

- **bugs/** contains a python module for each bug. Each module it is necessary to have at least the run() method that implements all the required actions to test the bug.
- **libutils/** contains common utility functions to be used for testing WMS and running the regression tests
- **data/** contains a .jdl or scripts or some data needed for running the testing script for each bug
- **testdata/** contains the sqlite based database file which contains information about all the available regression tests

How to add a new regression test

For each new bug:

- create a module with name .py under the 'bugs' package (execution will be started from the run() method which is necessary to be implemented).
- add any necessary file under the 'data' directory (input data, external jdl , script)
- register the new test with register_regTest.py

How to register a new regression test:

To register a new regression test it is necessary to have already create the corresponding python module under the 'bugs' package. During the registration the user will provide the following information:

- Bug number
- Link to savannah bug page
- Short description of the bug
- Description of actions that should be taken to test the bug

When we use file based registration it is necessary to create a description file with the following format:

```
Bug: <put the bug number>
Link: <link to savannah bug page>
Summary: <short description of the bug>
Description:
And then a list of actions that should be taken to test the bug.
```

Available commands tools:

list_regTests.py

Display the list of the registered regression tests.

Usage:

```
list_regTests.py [-h] [-d <level>] [-o <filename>]

-h                this help
-d <level >      print verbose messages (level = (1|2|3)
-o <filename>     save only bug numbers at filename
```

register_regTest.py

Register a new regression test for some bug. There are two operation modes interactive and file based registration.

Usage:

```
register_regTest.py [-h] [-f <filename>]
```

```
-h                this help
-f <filename>    filename
```

execute_regTest.py

Execute automatically regression tests.

Usage:

```
execute_regTest.py -a | -b <#bug> | -i <file> [-s] [-h] [-l] [-d <level>] [-c <conf>]
```

```
-b <#bug>        execute the regression test for given #bug
-a              execute all available regression tests
-i <file>        execute only the regression tests that are listed to file
-h              this help
-s              show all the available tests
-l              save output in a file
-d <level >     print verbose messages (level = (1|2|3)
-c <conf>        configuration file
```

If user specifies option -a then the command will execute all the available regression tests from the database. If user specifies option -i then will be executed automatically only the regression tests for the bugs which are listed in the . To execute only a single bug use option -b <#bug>. Supports continue on error and logging.

-- AlessioGianelle - 2011-10-03

This topic: WMS > WmsRegressionTestSuite

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