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# **First CREAM testsuites (regression and functionality) trial**

# Testsuites installation

## Server side installation (test on cream ce cream-48)

For first install the needed software:

- python
- pyro4

```
mkdir software
cd software
```

```
wget http://python.org/ftp/python/2.7.2/Python-2.7.2.tgz
tar -xzf Python-2.7.2.tgz
cd Python-2.7.2
./configure
make
make install
```

```
wget http://pypi.python.org/packages/source/P/Pyro4/Pyro4-4.11.tar.gz#md5=8126e7049206b7b09f32475
tar -xzf Pyro4-4.11.tar.gz
cd ../Pyro4-4.11
/usr/local/bin/python2.7 setup.py install
```

Then install the cream regression testsuite serverside and configure it. The

[[[https://wiki-igi.cnaf.infn.it/twiki/pub/IGIRelease/FirstStreamTestsuitesTrial/regression\\_testsuite\\_server\\_20120126.tar](https://wiki-igi.cnaf.infn.it/twiki/pub/IGIRelease/FirstStreamTestsuitesTrial/regression_testsuite_server_20120126.tar)]] file is linked to this wiki, for the moment:

```
scp regression_testsuite_server_20120126.tar cream-48: -scrivi come prendere il file
tar -xvf regression_testsuite_server_20120126.tar
```

```
export CREAM_TESTSUITE_HOME=/root/regression_testsuite_server
export PYRO_LOGFILE=/var/log/cream/cream_testsuite_srv.log
export PYRO_LOGLEVEL=DEBUG
export PYTHONPATH=/root/regression_testsuite_server:/root/regression_testsuite_server/conf:/root/
```

Customize the configuration file editing it:

```
vi conf/cream_testsuite_conf.ini
```

(be careful that the configured siteinfo\_dir and related files must be writeble)

## Client side installation (cream-wn-035 as UI)

For first install the needed software. I made a mistake because the functionality testsuite packaging and deployment procedure is for python 2.6 and I installed python 2.7 so I had to install "by hand" also all dependencies (a good exercise, but not convenient):

- python
- pyro4
- robotframework
- paramiko
- pycrypto
- pexpect
- MySQL-python

```
mkdir software
```

```
cd software
```

```
wget http://python.org/ftp/python/2.7.2/Python-2.7.2.tgz
tar -xzvf Python-2.7.2.tgz
cd Python-2.7.2
./configure
make
make install
```

```
wget http://pypi.python.org/packages/source/P/Pyro4/Pyro4-4.11.tar.gz#md5=8126e7049206b7b09f32475
tar -xzvf Pyro4-4.11.tar.gz
cd ../Pyro4-4.11
/usr/local/bin/python2.7 setup.py install
```

```
wget http://robotframework.googlecode.com/files/robotframework-2.7a1.tar.gz
tar -xvf robotframework-2.7a1.tar.gz
cd robotframework-2.7a1
python setup.py install
```

```
wget http://pypi.python.org/packages/source/p/paramiko/paramiko-1.7.7.1.zip#md5=4a9d3bab15a0cbf8b
unzip paramiko-1.7.7.1.zip
cd paramiko-1.7.7.1
python setup.py install
```

```
wget http://pypi.python.org/packages/source/p/pycrypto/pycrypto-2.3.tar.gz#md5=2b811cfbfc342d83ee
tar -xzvf pycrypto-2.3.tar.gz
cd pycrypto-2.3
python setup.py install
```

```
tar -xzvf pexpect-2.4.tar.gz
wget http://pypi.python.org/packages/source/p/pexpect/pexpect-2.4.tar.gz#md5=fe82d69be19ec96d3a66
python setup.py install
```

```
download MySQL-python-1.2.3.tar.gz (http://www.mysql.com/downloads/ or http://sourceforge.net/projects/mysql-python)
tar -xzvf MySQL-python-1.2.3.tar.gz
wget http://pypi.python.org/packages/source/s/setuptools/setuptools-0.6c11.tar.gz#md5=7df2a529a07
tar -xzvf setuptools-0.6c11.tar.gz
cd setuptools-0.6c11
python setup.py install
cd ../MySQL-python-1.2.3
python setup.py build
python setup.py install
```

## Regression testsuite client installation

```
scp regression_testsuite_server_20120126.tar cream-wn-035.pn: -scrivi come prendere il file
tar -xvf regression_testsuite_server_20120126.tar
export CREAM_TESTSUITE_HOME=/home/bertocco/regression_testsuite_server
export PYRO_LOGFILE=/var/log/cream/cream_testsuite_srv.log
export PYRO_LOGLEVEL=DEBUG
export PYTHONPATH=/home/bertocco/regression_testsuite_server:/home/bertocco/regression_testsuite_
cp $CREAM_TESTSUITE_HOME:conf/cream_testsuite_conf.ini from CE to UI
```

## Functionality testsuite install

### Instructions

```
wget http://yum.gridctb.uoa.gr/repository/robot_testing.repo -O /etc/yum.repos.d/robot_testing.re
yum groupinstall cream_testing_group
yum install cream_test
```

## Regression testsuite run:

- On server (for first):

```
/usr/local/bin/python2.7 cream_testsuite_start.py
```

- On client:

```
cd $SCREAM_TESTSUITE_HOME  
pybot tests
```

## Functionality testsuite run:

```
pybot /opt/cream_test
```

# Notes

- The regression testsuite suffer a lack in packaging. Must be improved
- There is a bit of confusion on testsuites configuration
- Too often same error in testsuites run leaves the cream ce in unpredictable status. Need big improve
  
- regression\_log.html: Log of a regression testsuite run
  
- regression\_output.xml: Output of a regression testsuite run
  
- regression\_report.html: Report of a regression testsuite run
  
- regression\_testsuite\_client\_20120126.tar: regression\_testsuite\_client\_20120126.tar

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This topic: IGIRelease > FirstSreamTestsuitesTrial

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