Tests Runners

Naty Bidart

PyCon Argentina 2010

15-16 de Octubre de 2010

Test Runners: Holy grial?

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- **unit2 discover** (Python 2.6, paquete **python-unittest2**)

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- **unit2 discover** (Python 2.6, paquete **python-unittest2**)
- **nosetests** con el plugin `rudolf`

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- **nosetests** con el plugin rudolf
- **py.test**

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- **nosetests** con el plugin rudolf
- **py.test**
- **trial**

Green bar

```
$> unit2 discover
```

```
nessita@dali:~/mythbusters$ unit2 discover
.
----------------------------------------------------------------
Ran 1 test in 0.000s

OK
```

Green bar

```
$> nosetests -with-color
```

nessita@dali:~/mythbusters$ nosetests --with-color
.

Ran 1 test in 0.008 seconds
OK

Green bar


```
$> py.test -v
```

nessita@dali:~/mythbusters$ py.test -v
============================= test session starts =============================
python: platform linux2 -- Python 2.6.6 -- pytest-1.2.1 -- /usr/bin/python
test object 1: /home/nessita/nessitastuff/talks/Mythbusters-tests/example

my_package/tests/test_my_module.py:43: DummyTestCase.test_me PASS

========================== 1 passed in 0.01 seconds ==========================

Green bar


```
$> trial my_package
```

```
nessita@dali:~/mythbusters$ trial my_package/
my_package.tests.test_my_module
  DummyTestCase
    test_me ...                                              [OK]

-----------------------------------------------------------------
Ran 1 tests in 0.012s

PASSED (successes=1)
```

Red bar


```
$> unit2 discover
```

```
nessita@dali:~/mythbusters$ unit2 discover
F.
================================================================
FAIL: test_fail (my_package.tests.test_my_module.DummyTestCase)
Demonstrate a failing test.
----------------------------------------------------------------
Traceback (most recent call last):
  File "/home/nessita/nessitastuff/talks/Mythbusters-tests/example/my_package/te
sts/test_my_module.py", line 60, in test_fail
    self.fail('Die! Die!')
AssertionError: Die! Die!

----------------------------------------------------------------
Ran 2 tests in 0.000s

FAILED (failures=1)
```

Red bar

$> `nosetests –with-color`

```
nessita@dali:~/mythbusters$ nosetests --with-color
F.
======================================================================
FAIL: Demonstrate a failing test.
----------------------------------------------------------------------
Traceback (most recent call last):
  File "/home/nessita/nessitastuff/talks/Mythbusters-tests/example/my_package/te
sts/test_my_module.py", line 60, in test_fail
    self.fail('Die! Die!')
AssertionError: Die! Die!


----------------------------------------------------------------------
Ran 2 tests in 0.010 seconds
FAILED (failures=1)
```

Red bar

Red bar

$> `trial mypackage`

```
nessita@dali:~/mythbusters$ trial my_package/
my_package.tests.test_my_module
  DummyTestCase
    test_fail ...                                                    [FAIL]
    test_me ...                                                      [OK]

=======================================================================
[FAIL]: my_package.tests.test_my_module.DummyTestCase.test_fail

Traceback (most recent call last):
  File "/usr/lib/pymodules/python2.6/unittest2/case.py", line 340, in run
    testMethod()
  File "/home/nessita/nessitastuff/talks/Mythbusters-tests/example/my_package/te
sts/test_my_module.py", line 60, in test_fail
    self.fail('Die! Die!')
  File "/usr/lib/pymodules/python2.6/unittest2/case.py", line 412, in fail
    raise self.failureException(msg)
exceptions.AssertionError: Die! Die!
-----------------------------------------------------------------------
Ran 2 tests in 0.012s

FAILED (failures=1, successes=1)
```

Referencias

- unittest
- unittest2
- Rudolf
- py.test
- nose