

---

# **pytest-echo Documentation**

***Release 1.2***

**Stefano Apostolico**

**Jan 11, 2018**



---

## Contents

---

<b>1</b>	<b>pytest-echo</b>	<b>3</b>
<b>2</b>	<b>Changelog</b>	<b>7</b>



Contents:



Print environment variables, package version and generic attributes, as they are at the beginning of the test.

Useful in the continuous integration to dump test configuration/environment and or to check if attributes are properly set (ie. you change environment with *os.environ*)

## 1.1 Install

install via:

```
pip install pytest-echo
```

The plugin provides ability to print some extra information prior to run the tests.

## 1.2 Examples

### 1.2.1 Dump environment variables

```
$ py.test --echo-env=HOME
===== test session starts =====
platform linux2 -- Python 2.7.4 -- py-1.4.22 -- pytest-2.6.0 -- /bin/python
Environment:
  HOME: /Users/sax
plugins: echo, pydev, cov, cache, django
```

### 1.2.2 Dump package version

```
$ py.test --echo-version=pytest_echo
===== test session starts =====
platform linux2 -- Python 2.7.4 -- py-1.4.22 -- pytest-2.6.0 -- /bin/python
Package version:
  pytest_echo: 0.1
plugins: echo, pydev, cov, cache, django
```

**Warning:** The first attempt to retrieve the version is done via setuptools if it fails, the module is imported(`__import__(package)`) to retrieve the version reading `get_version`, `__version__`, `VERSION`, `version` so any module level code is executed. This should be not an issue as no problematic code should be present in the first level of the package

### 1.2.3 Dump attributes

```
$ py.test --echo-attr=django.conf.settings.DEBUG
===== test session starts =====
platform linux2 -- Python 2.7.4 -- py-1.4.22 -- pytest-2.6.0 -- /bin/python
Inspections
  django.conf.settings.DEBUG: False
plugins: echo, pydev, cov, cache, django
```

**Warning:** Be careful when use `--echo-attr`. It loads any module in the path and this will execute any module level code If you try to dump a property, related getter will be executed.

---

**Note:** You cannot dump callable result.

---

### 1.2.4 Configure via tox.ini/setup.cfg/pytest.cfg

Example of use in a django project:

```
[pytest]
addopts = -vvv
         --tb=short
         --capture=no
         --echo-env PWD
         --echo-env VIRTUAL_ENV
         --echo-env DBENGINE
         --echo-version django
         --echo-version pip
         --echo-version pytest-echo
         --echo-attr django.conf.settings.DATABASES.default.ENGINE
```

```
$ py.test
===== test session starts =====
platform linux2 -- Python 2.7.4 -- py-1.4.22 -- pytest-2.6.0 -- /bin/python
Environment:
  DJANGO_SETTINGS_MODULE: tests.settings
  PWD: /data/PROGETTI/sem
```



```

VIRTUAL_ENV: /data/VENV/sem
DBENGINE: <not set>
Package version:
  django: 1.6.5
  pip: 1.5.6
  pytest_echo: 1.2
Inspections:
  django.conf.settings.DATABASES.default.ENGINE: 'django.db.backends.postgresql_
↳psycopg2'
plugins: echo, cache, capturelog, contextfixture, cov, django, pydev
collected 14 items
.....
14 passed in 4.95 seconds

```

## 1.2.5 Globbing

Starting from version 1.5, is possible to glob packages version and environment variables, as:

```
$ py.test --echo-version=pytest-* --echo-env=VIRTUAL*
```



or

```

[pytest]
addopts = -vvv
         --echo-env VIRTUAL*
         --echo-version pytest-*

```

## 1.2.6 Links

Stable			
Development			
Project home page:	<a href="https://github.com/saxix/pytest-echo">https://github.com/saxix/pytest-echo</a>		
Issue tracker:	<a href="https://github.com/saxix/pytest-echo/issues?sort">https://github.com/saxix/pytest-echo/issues?sort</a>		
CI:	<a href="https://travis-ci.org/saxix/pytest-echo">https://travis-ci.org/saxix/pytest-echo</a>		
Download:	<a href="http://pypi.python.org/pypi/pytest-echo/">http://pypi.python.org/pypi/pytest-echo/</a>		
Documentation:	<a href="https://pytest-echo.readthedocs.org/en/latest/">https://pytest-echo.readthedocs.org/en/latest/</a>		



#### 2.1 1.5.1

- drop suport python 2.6

#### 2.2 1.5

- add support for 'globbing' package version and enviromnent variables
- add python 3.5 and 3.6 support

#### 2.3 1.4

- fixes typo in documentation

#### 2.4 1.3

- fixes url in setup.py
- add ability to dump version using setuptools pkg\_resources
- python 3.3/3.4

#### 2.5 1.2

- changed output layout

## 2.6 1.1

- removed dump of django settings and related options (`--echo-settings`)
- add dump generic attributes (`--echo-attr`)

## 2.7 1.0

- Initial release