

UnitTest Framework - Unittest2

unittest2 is a backport of additional features added to the Python testing framework in Python 2.7 and onwards. It is tested to run on Python 2.6, 2.7, and 3.*. Latest version can be downloaded from <https://pypi.python.org/pypi/unittest2>

To use unittest2 instead of unittest, simply replace `import unittest` with `import unittest2`.

Classes in unittest2 derive from the appropriate classes in unittest, so it should be possible to use the unittest2 test running infrastructure without having to switch all your tests to using unittest2 immediately. In case you intend to implement new features, subclass your testcase from **unittest2.TestCase** instead of `unittest.TestCase`

The following are the new features of unittest2 –

- **addCleanups** for better resource management
- Contains many new assert methods
- **assertRaises** as context manager, with access to the exception afterwards
- Has module level fixtures such as **setUpModule** and **tearDownModule**
- Includes **load_tests** protocol for loading tests from modules or packages
- **startTestRun** and **stopTestRun** methods on `TestResult`

In Python 2.7, you invoke the unittest command line features (including test discover) with **python -m unittest <args>**.

Instead, unittest2 comes with a script `unit2`.

```
unit2 discover
unit2 -v test_module
```
