

Module: tf.test

[Contents](#)[Classes](#)[Functions](#)

Defined in [tensorflow/python/platform/test.py](#).

Testing.

See the [Testing](#) guide.

★ **Note:** `tf.test.mock` is an alias to the `python mock` or `unittest.mock` depending on the python version.

Classes

`class Benchmark` : Abstract class that provides helpers for TensorFlow benchmarks.

`class StubOutForTesting` : Support class for stubbing methods out for unit testing.

`class TestCase` : Base class for tests that need to test TensorFlow.

Functions

`assert_equal_graph_def(...)` : Asserts that two `GraphDef`s are (mostly) the same.

`compute_gradient(...)` : Computes and returns the theoretical and numerical Jacobian.

`compute_gradient_error(...)` : Computes the gradient error.

`create_local_cluster(...)` : Create and start local servers and return the associated `Server` objects.

`get_temp_dir(...)` : Returns a temporary directory for use during tests.

`gpu_device_name(...)` : Returns the name of a GPU device if available or the empty string.

`is_built_with_cuda(...)` : Returns whether TensorFlow was built with CUDA (GPU) support.

`is_gpu_available(...)` : Returns whether TensorFlow can access a GPU.

`main(...)` : Runs all unit tests.

`test_src_dir_path(...)` : Creates an absolute test srcdir path given a relative path.

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