

Skip to main content

__Back to top

__ `Ctrl` + `K`

[![conda 25.1.2.dev29 documentation -
Home](../../../../_static/conda_logo_full.svg)](../../../../index.html)

- * [Conda](https://docs.conda.io/projects/conda/)
- * [Conda-build](https://docs.conda.io/projects/conda-build)
- * [Miniconda](https://docs.anaconda.com/free/miniconda/)
- * conda.org

- * [__ GitHub](https://github.com/conda/conda "GitHub")
- * [![Element](../../../../_static/element_logo.svg)](http://bit.ly/conda-chat-room "Element")
- * [__ Discourse](https://conda.discourse.group/ "Discourse")

- * [Conda](https://docs.conda.io/projects/conda/)
- * [Conda-build](https://docs.conda.io/projects/conda-build)
- * [Miniconda](https://docs.anaconda.com/free/miniconda/)
- * conda.org

- * [__ GitHub](https://github.com/conda/conda "GitHub")
- * [![Element](../../../../_static/element_logo.svg)](http://bit.ly/conda-chat-room "Element")
- * [__ Discourse](https://conda.discourse.group/ "Discourse")

Navigation

- * [User guide](../././././user-guide/index.html) __
- * [Getting started with conda](../././././user-guide/getting-started.html)
- * [Installing conda](../././././user-guide/install/index.html) __
 - * [Installing on Windows](../././././user-guide/install/windows.html)
 - * [Installing on macOS](../././././user-guide/install/macos.html)
 - * [Installing on Linux](../././././user-guide/install/linux.html)
 - * [RPM and Debian Repositories for Miniconda](../././././user-guide/install/rpm-debian.html)
- * [Tasks](../././././user-guide/tasks/index.html) __
 - * [Managing conda](../././././user-guide/tasks/manage-conda.html)
 - * [Managing environments](../././././user-guide/tasks/manage-environments.html)
 - * [Managing channels](../././././user-guide/tasks/manage-channels.html)
 - * [Managing packages](../././././user-guide/tasks/manage-pkgs.html)
 - * [Managing Python](../././././user-guide/tasks/manage-python.html)
 - * [Managing virtual packages](../././././user-guide/tasks/manage-virtual.html)
 - * [Creating custom channels](../././././user-guide/tasks/create-custom-channels.html)
 - * [Creating projects](../././././user-guide/tasks/creating-projects.html)
 - * [Viewing command-line help](../././././user-guide/tasks/view-command-line-help.html)
- * [Configuration](../././././user-guide/configuration/index.html) __
 - * [Using the .condarc conda configuration file](../././././user-guide/configuration/use-condarc.html)
 - * [Settings](../././././user-guide/configuration/settings.html)
 - * [Administering a multi-user conda installation](../././././user-guide/configuration/admin-multi-user-install.html)
 - * [Mirroring channels](../././././user-guide/configuration/mirroring.html)
 - * [Disabling SSL verification](../././././user-guide/configuration/disable-ssl-verification.html)

- * [Using non-standard certificates](../../../../../user-guide/configuration/non-standard-certs.html)
- * [Using Custom Locations for Environment and Package Cache](../../../../../user-guide/configuration/custom-env-and-pkg-locations.html)
- * [Improving interoperability with pip](../../../../../user-guide/configuration/pip-interoperability.html)
- * [Using the free channel](../../../../../user-guide/configuration/free-channel.html)
- * [Concepts](../../../../../user-guide/concepts/index.html) __
- * [Commands](../../../../../user-guide/concepts/conda-commands.html)
- * [Packages](../../../../../user-guide/concepts/packages.html)
- * [Package specification](../../../../../user-guide/concepts/pkg-specs.html)
- * [Package search and install specifications](../../../../../user-guide/concepts/pkg-search.html)
- * [Channels](../../../../../user-guide/concepts/channels.html)
- * [Environments](../../../../../user-guide/concepts/environments.html)
- * [Installing with conda](../../../../../user-guide/concepts/installing-with-conda.html)
- * [Performance](../../../../../user-guide/concepts/conda-performance.html)
- * [Conda for data scientists](../../../../../user-guide/concepts/data-science.html)
- * [Plugins](../../../../../user-guide/concepts/conda-plugins.html)
- * [Troubleshooting](../../../../../user-guide/troubleshooting.html)
- * [Cheatsheet](../../../../../user-guide/cheatsheet.html)
- * [Configuration](../../../../../configuration.html)
- * [Commands](../../../../../commands/index.html) __
- * [``conda clean``](../../../../../commands/clean.html)
- * [``conda compare``](../../../../../commands/compare.html)
- * [``conda config``](../../../../../commands/config.html)
- * [``conda create``](../../../../../commands/create.html)
- * [``conda doctor``](../../../../../commands/doctor.html)
- * [``conda env``](../../../../../commands/env/index.html) __
- * [``conda env config``](../../../../../commands/env/config/index.html) __

- * [`conda env config vars`](../../../../../commands/env/config/vars/index.html) __
- * [`conda env config vars list`](../../../../../commands/env/config/vars/list.html)
- * [`conda env config vars set`](../../../../../commands/env/config/vars/set.html)
- * [`conda env config vars unset`](../../../../../commands/env/config/vars/unset.html)
- * [`conda env create`](../../../../../commands/env/create.html)
- * [`conda env export`](../../../../../commands/env/export.html)
- * [`conda env list`](../../../../../commands/env/list.html)
- * [`conda env remove`](../../../../../commands/env/remove.html)
- * [`conda env update`](../../../../../commands/env/update.html)
- * [`conda info`](../../../../../commands/info.html)
- * [`conda init`](../../../../../commands/init.html)
- * [`conda install`](../../../../../commands/install.html)
- * [`conda list`](../../../../../commands/list.html)
- * [`conda notices`](../../../../../commands/notices.html)
- * [`conda package`](../../../../../commands/package.html)
- * [`conda remove`](../../../../../commands/remove.html)
- * [`conda rename`](../../../../../commands/rename.html)
- * [`conda run`](../../../../../commands/run.html)
- * [`conda search`](../../../../../commands/search.html)
- * [`conda update`](../../../../../commands/update.html)
- * [Release notes](../../../../../release-notes.html)
- * [Glossary](../../../../../glossary.html)
- * [Developer guide](../../../../../index.html) __
- * [Architecture](../../../../../architecture.html)
- * [Contributing to conda](../../../../../contributing.html)
- * [Development Environment](../../../../../development-environment.html)
- * [Deep dives](../../../../../deep-dives/index.html) __

- * [`conda install``](../../deep-dives/install.html)
- * [`conda init`` and `conda activate``](../../deep-dives/activation.html)
- * [`conda config`` and context](../../deep-dives/context.html)
- * [Solvers](../../deep-dives/solvers.html)
- * [Logging](../../deep-dives/logging.html)
- * [Writing Tests](../../writing-tests/index.html) __
- * [Integration Tests](../../writing-tests/integration-tests.html)
- * [Deprecations](../../deprecations.html)
- * [Releasing](../../releasing.html)
- * [Plugins](../../plugins/index.html) __
 - * [Auth Handlers](../../plugins/auth_handlers.html)
 - * [Health Checks](../../plugins/health_checks.html)
 - * [Request Headers](../../plugins/request_headers.html)
 - * [Post-commands](../../plugins/post_commands.html)
 - * [Pre-commands](../../plugins/pre_commands.html)
 - * [Reporter Backends](../../plugins/reporter_backends.html)
 - * [Settings](../../plugins/settings.html)
 - * [Solvers](../../plugins/solvers.html)
 - * [Subcommands](../../plugins/subcommands.html)
 - * [Virtual Packages](../../plugins/virtual_packages.html)
- * [Specifications](../../specs/index.html) __
 - * [Technical specification: solver state](../../specs/solver-state.html)
- * [API](../../api.html) __
 - * [`conda``](../index.html) __
 - * [`__main__``](../__main__/index.html)
 - * [`_vendor``](../_vendor/index.html) __
 - * [`frozendict``](../_vendor/frozendict/index.html)

- * [`_version``](../_version/index.html)
- * [`activate``](../activate/index.html)
- * [`api``](../api/index.html)
- * [`auxlib``](../auxlib/index.html) __
 - * [`collection``](../auxlib/collection/index.html)
 - * [`compat``](../auxlib/compat/index.html)
 - * [`decorators``](../auxlib/decorators/index.html)
 - * [`entity``](../auxlib/entity/index.html)
 - * [`exceptions``](../auxlib/exceptions/index.html)
 - * [`ish``](../auxlib/ish/index.html)
 - * [`logz``](../auxlib/logz/index.html)
 - * [`type_coercion``](../auxlib/type_coercion/index.html)
- * [`base``](../base/index.html) __
 - * [`constants``](../base/constants/index.html)
 - * [`context``](../base/context/index.html)
- * [`cli``](../cli/index.html) __
 - * [`actions``](../cli/actions/index.html)
 - * [`common``](../cli/common/index.html)
 - * [`conda_argparse``](../cli/conda_argparse/index.html)
 - * [`find_commands``](../cli/find_commands/index.html)
 - * [`helpers``](../cli/helpers/index.html)
 - * [`install``](../cli/install/index.html)
 - * [`main``](../cli/main/index.html)
 - * [`main_clean``](../cli/main_clean/index.html)
 - * [`main_commands``](../cli/main_commands/index.html)
 - * [`main_compare``](../cli/main_compare/index.html)
 - * [`main_config``](../cli/main_config/index.html)

- * [main_create](../../cli/main_create/index.html)
- * [main_env](../../cli/main_env/index.html)
- * [main_env_config](../../cli/main_env_config/index.html)
- * [main_env_create](../../cli/main_env_create/index.html)
- * [main_env_export](../../cli/main_env_export/index.html)
- * [main_env_list](../../cli/main_env_list/index.html)
- * [main_env_remove](../../cli/main_env_remove/index.html)
- * [main_env_update](../../cli/main_env_update/index.html)
- * [main_env_vars](../../cli/main_env_vars/index.html)
- * [main_export](../../cli/main_export/index.html)
- * [main_info](../../cli/main_info/index.html)
- * [main_init](../../cli/main_init/index.html)
- * [main_install](../../cli/main_install/index.html)
- * [main_list](../../cli/main_list/index.html)
- * [main_mock_activate](../../cli/main_mock_activate/index.html)
- * [main_mock_deactivate](../../cli/main_mock_deactivate/index.html)
- * [main_notices](../../cli/main_notices/index.html)
- * [main_package](../../cli/main_package/index.html)
- * [main_pip](../../cli/main_pip/index.html)
- * [main_remove](../../cli/main_remove/index.html)
- * [main_rename](../../cli/main_rename/index.html)
- * [main_run](../../cli/main_run/index.html)
- * [main_search](../../cli/main_search/index.html)
- * [main_update](../../cli/main_update/index.html)
- * [python_api](../../cli/python_api/index.html)
- * [common](../../common/index.html) __
- * [_logic](../../common/_logic/index.html)

- * [`_os``](../../common/_os/index.html) __
- * [`linux``](../../common/_os/linux/index.html)
- * [`osx``](../../common/_os/osx/index.html)
- * [`unix``](../../common/_os/unix/index.html)
- * [`windows``](../../common/_os/windows/index.html)
- * [`compat``](../../common/compat/index.html)
- * [`configuration``](../../common/configuration/index.html)
- * [`constants``](../../common/constants/index.html)
- * [`disk``](../../common/disk/index.html)
- * [`io``](../../common/io/index.html)
- * [`iterators``](../../common/iterators/index.html)
- * [`logic``](../../common/logic/index.html)
- * [`path``](../../common/path/index.html) __
- * [`_cygpath``](../../common/path/_cygpath/index.html)
- * [`directories``](../../common/path/directories/index.html)
- * [`python``](../../common/path/python/index.html)
- * [`windows``](../../common/path/windows/index.html)
- * [`pkg_formats``](../../common/pkg_formats/index.html) __
- * [`python``](../../common/pkg_formats/python/index.html)
- * [`serialize``](../../common/serialize/index.html)
- * [`signals``](../../common/signals/index.html)
- * [`toposort``](../../common/toposort/index.html)
- * [`url``](../../common/url/index.html)
- * [`core``](../../core/index.html) __
- * [`envs_manager``](../../core/envs_manager/index.html)
- * [`index``](../../core/index/index.html)
- * [`initialize``](../../core/initialize/index.html)

- * [`link``](../../core/link/index.html)
- * [`package_cache_data``](../../core/package_cache_data/index.html)
- * [`path_actions``](../../core/path_actions/index.html)
- * [`portability``](../../core/portability/index.html)
- * [`prefix_data``](../../core/prefix_data/index.html)
- * [`solve``](../../core/solve/index.html)
- * [`subdir_data``](../../core/subdir_data/index.html)
- * [`deprecations``](../../deprecations/index.html)
- * [`env``](../../env/index.html) ____
- * [`env``](../../env/env/index.html)
- * [`installers``](../../env/installers/index.html) ____
- * [`base``](../../env/installers/base/index.html)
- * [`conda``](../../env/installers/conda/index.html)
- * [`pip``](../../env/installers/pip/index.html)
- * [`pip_util``](../../env/pip_util/index.html)
- * [`specs``](../../env/specs/index.html) ____
- * [`binstar``](../../env/specs/binstar/index.html)
- * [`requirements``](../../env/specs/requirements/index.html)
- * [`yaml_file``](../../env/specs/yaml_file/index.html)
- * [`exception_handler``](../../exception_handler/index.html)
- * [`exceptions``](../../exceptions/index.html)
- * [`exports``](../../exports/index.html)
- * [`gateways``](../../gateways/index.html) ____
- * [`anaconda_client``](../../gateways/anaconda_client/index.html)
- * [`connection``](../../gateways/connection/index.html) ____
- * [`adapters``](../../gateways/connection/adapters/index.html) ____
- * [`ftp``](../../gateways/connection/adapters/ftp/index.html)

- * [`http`](../../gateways/connection/adapters/http/index.html)
- * [`localfs`](../../gateways/connection/adapters/localfs/index.html)
- * [`s3`](../../gateways/connection/adapters/s3/index.html)
- * [`download`](../../gateways/connection/download/index.html)
- * [`session`](../../gateways/connection/session/index.html)
- * [`disk`](../../gateways/disk/index.html) __
- * [`create`](../../gateways/disk/create/index.html)
- * [`delete`](../../gateways/disk/delete/index.html)
- * [`link`](../../gateways/disk/link/index.html)
- * [`lock`](../../gateways/disk/lock/index.html)
- * [`permissions`](../../gateways/disk/permissions/index.html)
- * [`read`](../../gateways/disk/read/index.html)
- * [`test`](../../gateways/disk/test/index.html)
- * [`update`](../../gateways/disk/update/index.html)
- * [`logging`](../../gateways/logging/index.html)
- * [`repodata`](../../gateways/repodata/index.html) __
- * [`jlap`](../../gateways/repodata/jlap/index.html) __
- * [`core`](../../gateways/repodata/jlap/core/index.html)
- * [`fetch`](../../gateways/repodata/jlap/fetch/index.html)
- * [`interface`](../../gateways/repodata/jlap/interface/index.html)
- * [`lock`](../../gateways/repodata/lock/index.html)
- * [`subprocess`](../../gateways/subprocess/index.html)
- * [`history`](../../history/index.html)
- * [`instructions`](../../instructions/index.html)
- * [`misc`](../../misc/index.html)
- * [`models`](../../models/index.html) __
- * [`channel`](../../models/channel/index.html)

- * [dist`](../../models/dist/index.html)
- * [enums`](../../models/enums/index.html)
- * [leased_path_entry`](../../models/leased_path_entry/index.html)
- * [match_spec`](../../models/match_spec/index.html)
- * [package_info`](../../models/package_info/index.html)
- * [prefix_graph`](../../models/prefix_graph/index.html)
- * [records`](../../models/records/index.html)
- * [version`](../../models/version/index.html)
- * [notices`](../../notices/index.html) __
- * [cache`](../../notices/cache/index.html)
- * [core`](../../notices/core/index.html)
- * [fetch`](../../notices/fetch/index.html)
- * [types`](../../notices/types/index.html)
- * [views`](../../notices/views/index.html)
- * [plan`](../../plan/index.html)
- * [plugins`](../../plugins/index.html) __
- * [hookspec`](../../plugins/hookspec/index.html)
- * [manager`](../../plugins/manager/index.html)
- * [post_solves`](../../plugins/post_solves/index.html) __
 - * [signature_verification`](../../plugins/post_solves/signature_verification/index.html)
- * [reporter_backends`](../../plugins/reporter_backends/index.html) __
 - * [console`](../../plugins/reporter_backends/console/index.html)
 - * [json`](../../plugins/reporter_backends/json/index.html)
- * [solvers`](../../plugins/solvers/index.html)
- * [subcommands`](../../plugins/subcommands/index.html) __
 - * [doctor`](../../plugins/subcommands/doctor/index.html) __
 - * [health_checks`](../../plugins/subcommands/doctor/health_checks/index.html)

- * [`types``](../../plugins/types/index.html)
- * [`virtual_packages``](../../plugins/virtual_packages/index.html) __
- * [`archspeg``](../../plugins/virtual_packages/archspeg/index.html)
- * [`conda``](../../plugins/virtual_packages/conda/index.html)
- * [`cuda``](../../plugins/virtual_packages/cuda/index.html)
- * [`freebsd``](../../plugins/virtual_packages/freebsd/index.html)
- * [`linux``](../../plugins/virtual_packages/linux/index.html)
- * [`osx``](../../plugins/virtual_packages/osx/index.html)
- * [`windows``](../../plugins/virtual_packages/windows/index.html)
- * [`reporters``](../../reporters/index.html)
- * [`resolve``](../../resolve/index.html)
- * [`testing``](../index.html) __
- * ``cases``
- * [`fixtures``](../fixtures/index.html)
- * [`gateways``](../gateways/index.html) __
- * [`fixtures``](../gateways/fixtures/index.html)
- * [`helpers``](../helpers/index.html)
- * [`integration``](../integration/index.html)
- * [`notices``](../notices/index.html) __
- * [`fixtures``](../notices/fixtures/index.html)
- * [`helpers``](../notices/helpers/index.html)
- * [`solver_helpers``](../solver_helpers/index.html)
- * [`trust``](../../trust/index.html) __
- * [`constants``](../../trust/constants/index.html)
- * [`signature_verification``](../../trust/signature_verification/index.html)
- * [`utils``](../../utils/index.html)
- * [`conda_env``](../../conda_env/index.html) __

* [`cli``](../../conda_env/cli/index.html)

* [`installers``](../../conda_env/installers/index.html)

* [`__`](../../index.html)

* [Developer guide](../../index.html)

* `__`

* [`testing``](../index.html)

*

`cases``

Extends `unittest.TestCase` to include select `pytest` fixtures.

Classes#

``BaseTestCase`` | A class whose instances are single test cases.

---|---

`_class _BaseTestCase(_methodName = 'runTest'_)#`

Bases:

[`unittest.TestCase``](https://docs.python.org/3/library/unittest.html#unittest.TestCase

"\n(in Python v3.13\\)")

A class whose instances are single test cases.

By default, the test code itself should be placed in a method named 'runTest'.

If the fixture may be used for many test cases, create as many test methods as are needed. When instantiating such a TestCase subclass, specify in the constructor arguments the name of the test method that the instance is to execute.

Test authors should subclass TestCase for their own tests. Construction and deconstruction of the test's environment ('fixture') can be implemented by overriding the 'setUp' and 'tearDown' methods respectively.

If it is necessary to override the `__init__` method, the base class `__init__` method must always be called. It is important that subclasses should not change the signature of their `__init__` method, since instances of the classes are instantiated automatically by parts of the framework in order to be run.

When subclassing TestCase, you can set these attributes: * `failureException`: determines which exception will be raised when

- > the instance's assertion methods fail; test methods raising this exception
- > will be deemed to have 'failed' rather than 'errored'.

- * `longMessage`: determines whether long messages (including repr of objects used in assert methods) will be printed on failure in `_addition_` to

any explicit message passed.

- * `maxDiff`: sets the maximum length of a diff in failure messages

by assert methods using `difflib`. It is looked up as an instance attribute so can be configured by individual tests if required.

Create an instance of the class that will use the named test method when executed. Raises a `ValueError` if the instance does not have a method with the specified name.

```
fixture_names _ = ('tmpdir',)_#
```

```
auto_injector_fixture(_request_)#
```

__On this page

- * Classes

- * ``BaseTestCase``

- * ``BaseTestCase.fixture_names``

- * ``BaseTestCase.auto_injector_fixture()``

[__Edit on GitHub](https://github.com/conda/conda/edit/main/docs/source/dev-guide/api/conda/testing/cases/index.rst)

[__Show Source](../../../../_sources/dev-guide/api/conda/testing/cases/index.rst.txt)

© Copyright 2017, Anaconda, Inc.

Created using [Sphinx](https://www.sphinx-doc.org/) 7.4.7.

[Analytics Dashboard __](https://docs-conda-io.goatcounter.com "Analytics Dashboard")

Built with the [PyData Sphinx Theme](https://pydata-sphinx-theme.readthedocs.io/en/stable/index.html) 0.15.4.