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") * [UFLore ant](/ / / / / / / / / / / / / / / / / / /
* [![Element](///_static/element_logo.svg)](http://bit.ly/conda-chat-room "Element") * [Discourses]/https://conda.discourses.grays/ "Discourses")
* [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")

* [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
                                                                                       Package
                                                           for
                                                                 Environment
                                                                                and
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-quide/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`](../../index.html) ___
 * [` anaconda client`](../../anaconda client/index.html)
 * [`connection`](../../connection/index.html) ___
```

```
* [` adapters`](../../connection/adapters/index.html) ___
    * [`ftp`](../../connection/adapters/ftp/index.html)
    * [`http`](../../connection/adapters/http/index.html)
    * [`localfs`](../../connection/adapters/localfs/index.html)
    * [`s3`](../../connection/adapters/s3/index.html)
  * [`download`](../../connection/download/index.html)
  * [`session`](../../connection/session/index.html)
 * [`disk`](../index.html) ___
  * [` create`](../create/index.html)
  * [`delete`](../delete/index.html)
  * `link`
  * [`lock`](../lock/index.html)
  * [`permissions`](../permissions/index.html)
  * [`read`](../read/index.html)
  * [`test`](../test/index.html)
  * [`update`](../update/index.html)
 * [`logging`](../../logging/index.html)
 * [`repodata`](../../repodata/index.html) ___
  * [` jlap`](../../repodata/jlap/index.html) ___
    * [`core`](../../repodata/jlap/core/index.html)
    * [`fetch`](../../repodata/jlap/fetch/index.html)
    * [`interface`](../../repodata/jlap/interface/index.html)
  * [`lock`](../../repodata/lock/index.html)
 * [`subprocess`](../../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) ___
  * [`archspec`](../../plugins/virtual_packages/archspec/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`](../../testing/index.html) ___
 * [` cases`](../../testing/cases/index.html)
 * [`fixtures`](../../testing/fixtures/index.html)
 * [`gateways`](../../testing/gateways/index.html) ___
  * [` fixtures`](../../testing/gateways/fixtures/index.html)
 * [`helpers`](../../testing/helpers/index.html)
 * [`integration`](../../testing/integration/index.html)
 * [`notices`](../../testing/notices/index.html) ___
  * [` fixtures`](../../testing/notices/fixtures/index.html)
  * [`helpers`](../../testing/notices/helpers/index.html)
 * [`solver_helpers`](../../testing/solver_helpers/index.html)
* [`trust`](../../trust/index.html) ___
 * [`constants`](../../trust/constants/index.html)
```

* [`signature_verification`](../../trust/signature_verification/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)
 * [` disk`](../index.html)
# `link`#
Disk utility functions for symlinking files and folders.
Portions of the code within this module are taken from
[jaraco/jaraco.windows](https://github.com/jaraco/jaraco.windows) which is MIT
licensed by Jason R. Coombs.
[jaraco/skeleton#1](https://github.com/jaraco/skeleton/issues/1#issuecomment-285448440)
Ichmod#
link#
```

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

islink#
On this page
* `lchmod`
* `link`
* `islink`
[Edit on GitHub](https://github.com/conda/conda/edit/main/docs/source/dev-
guide/api/conda/gateways/disk/link/index.rst)
[Show Source](///_sources/dev-
guide/api/conda/gateways/disk/link/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-
r) 1 3/

theme.readthedocs.io/en/stable/index.html) 0.15.4.