
pip-helpers Documentation

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Christian Fobel

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pip-helpers

Functions to perform common operations with the Python Package Index.

Example usage:

```
>>> import pip_helpers as ph
>>>
>>> # Install list of Python packages
>>> stdout_and_stderr = ph.install(['numpy>=1.11.1', 'pandas<0.18.1'])
>>>
>>> # Uninstall list of installed Python packages
>>> stdout_and_stderr = ph.uninstall(['numpy', 'pandas'])
>>>
>>> # Get list of descriptors for installed Python packages
>>> installed_package_descriptors = ph.freeze()
```


Written by Christian Fobel christian@fobel.net

Contents:

2.1 Project Modules

2.1.1 pip_helpers Package

pip_helpers Package

`pip_helpers.freeze()`

Return sorted list of package descriptors (e.g., "foo", "foo==1.0", "foo>=1.0"), one descriptor for each installed package.

`pip_helpers.get_releases(package_str, pre=False, key=None, include_hidden=False, server_url='https://pypi.python.org/pypi/{}/json', hidden_url=None)`

Query Python Package Index for list of available release for specified package.

Parameters

- **package_str** (*str*) – Name of package hosted on Python package index. Version constraints are also supported (e.g., "foo", "foo==1.0", "foo>=1.0", etc.). See [version specifiers](#) reference for more details.
- **pre** (*bool, optional*) – Include pre-release packages.
- **key** (*function, optional*) – Key function to sort (package_name, release_info) items by.
- **include_hidden** (*bool, optional*) – Include “hidden” packages.
- **server_url** (*str, optional*) – URL to JSON API (default=“<https://pypi.python.org/pypi/{}/json>”).
- **hidden_url** (*str, optional*) – URL to XMLRPC API (default=“<https://pypi.python.org/pypi/>” for PyPI server URL).

Returns Package name and package release information, indexed by package version string and ordered by upload time (i.e., most recent release is last).

Return type (string, collections.OrderedDict)

`pip_helpers.install(packages, capture_streams=True)`

Install the specified list of packages from the Python Package Index.

Parameters

- **packages** (*list*) – List of package descriptors (e.g., "foo", "foo==1.0", "foo>=1.0").
- **capture_streams** (*bool, optional*) – If True, capture stdout and stderr output and instead print concise progress indicator.

Returns Combined output to stdout and stderr.

Return type `str`

`pip_helpers.uninstall(packages, capture_streams=True)`

Uninstall the specified list of Python packages

Parameters

- **packages** (*list*) – List of package names (e.g., "foo", but not "foo==1.0", "foo>=1.0").
- **capture_streams** (*bool, optional*) – If True, capture stdout and stderr output and instead print concise progress indicator.

Returns Combined output to stdout and stderr.

Return type `str`

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