

pip freeze

Usage

[Unix/macOS](#) [Windows](#)

```
python -m pip freeze [options]
```

Description

Output installed packages in requirements format.

packages are listed in a case-insensitive sorted order.

Options

-r, --requirement <file>

Use the order in the given requirements file and its comments when generating output. This option can be used multiple times.

(environment variable: `PIP_REQUIREMENT`)

-l, --local

If in a virtualenv that has global access, do not output globally-installed packages.

(environment variable: `PIP_LOCAL`)

--user

Only output packages installed in user-site.

(environment variable: `PIP_USER`)

--path <path>

Restrict to the specified installation path for listing packages (can be used multiple times).

(environment variable: `PIP_PATH`)

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--all

Do not skip these packages in the output: setuptools, pip, wheel, distribute

(environment variable: `PIP_ALL`)

--exclude-editable

Exclude editable package from output.

(environment variable: `PIP_EXCLUDE_EDITABLE`)

--exclude <package>

Exclude specified package from the output

(environment variable: `PIP_EXCLUDE`)

Examples

1. Generate output suitable for a requirements file.

Unix/macOS Windows

```
$ python -m pip freeze  
docutils==0.11  
Jinja2==2.7.2  
MarkupSafe==0.19  
Pygments==1.6  
Sphinx==1.2.2
```

2. Generate a requirements file and then install from it in another environment.

Unix/macOS Windows

```
env1/bin/python -m pip freeze > requirements.txt  
env2/bin/python -m pip install -r requirements.txt
```

Fixing “Permission denied:” errors

The purpose of this section of documentation is to provide practical suggestions to users seeing a [“Permission denied” error](#) on `pip freeze`.

[Skip to content](#) for instance, when the command is installed only for another user, and the current user does not have the permission to execute the other user’s command.

To solve that issue, you can try one of the following:

- Install the command for yourself (e.g. in your home directory).
- Ask the system admin to allow this command for all users.
- Check and correct the PATH variable of your own environment.
- Check the [ACL \(Access-Control List\)](#) for this command.

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