pip (package manager)

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pip is a package management system used to install and manage software packages written in Python. Many packages can be found in the Python Package Index (PyPI).^[4]

Python 2.7.9 and later (on the python2 series), and Python 3.4 and later include pip (pip3 for Python 3) by default.^[5]

pip is a recursive acronym that can stand for either "Pip Installs Packages" or "Pip Installs Python". [6][7]

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Command-line interface

Most distributions of Python come with pip preinstalled. If pip is missing, it can be installed through the system package manager or by invoking cURL, a client-side data transfer tool:

curl https://bootstrap.pypa.io/get-pip.py | python

One major advantage of *pip* is the ease of its command-line interface, which makes installing Python software packages as easy as issuing one command:

pip



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Free software^[3]

Type License

Website

Package management system

pip.pypa.io (https://pip.pypa.io)

All output of pip install virtualenv

Users can also easily remove the package:

pip uninstall some-package-name

Most importantly **pip** has a feature to manage full lists of packages and corresponding version numbers, possible through a "requirements" file.^[4] This permits the efficient re-creation of an entire group of packages in a separate environment (e.g. another computer) or virtual environment. This can be achieved with a properly formatted requirements.txt file and the following command:

```
pip install -r requirements.txt
```

Install some package for a specific version python, where \${version} is replaced for 2, 3, 3.4, etc.:

```
pip${version} install some-package-name
```

Web hosting service use

Pip is used to support the use of Python in cloud web hosting, such as by Heroku. [8]

See also

- Setuptools
- Software repository

References

- 1. 1.0 release commit (https://github.com/pypa/pip/commit/ac38fb6f2aa6d2710ccb5bf8096dffd5e67ccd7e#diff-a5e5f2a71c0a 49ac22e4b2b4963174d6)
- 2. "Release Notes" (https://pip.pypa.io/en/stable/news).
- 3. "LICENSE.txt" (https://github.com/pypa/pip/blob/develop/LICENSE.txt). github.com/pypa/pip. Retrieved 25 July 2015.
- 4. "pip documentation" (http://www.pip-installer.org/). The pip developers. Retrieved 5 January 2012.
- 5. "pip installation" (https://pip.pypa.io/en/latest/installing.html). Retrieved 24 Feb 2015.
- 6. "pip ubuntuusers.de" (http://wiki.ubuntuusers.de/pip). ubuntuusers.de. Retrieved 17 February 2015.
- 7. "What Does PIP Stand For?" (http://unix.stackexchange.com/questions/169709/what-does-pip-stand-for). Stack Exchange. Retrieved 17 February 2015.
- 8. "Getting Started with Python on Heroku/Cedar" (http://devcenter.heroku.com/articles/python). *Dev Center*. Heroku. Retrieved 5 January 2012.

External links

Official website (https://pip.pypa.io/)

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Categories: Free package management systems | Python development tools | Python software

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