

Pip and Pypi

- **pip** (“PIP Installs Python”) is a command line tool used to manage 3rd party modules and packages from **Pypi** - The Python Package Index
- Starting with **Python 3.4**, **pip is included by default** with the Python binary installers (if not on Linux/Ubuntu run: `sudo apt-get install python3-pip` and on Mac run: `brew install python3`)
- pip is replacement for another tool called **easy_install**.

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- Displaying pip version

pip --version

- Upgrade pip

python -m pip install --upgrade pip

- *Download and install a package called requests (latest version, with all its dependencies)*

pip install requests

pip install requests==2.9.0 -> *Installing a specific version*

pip install requests>=2.9.0 -> *Installing a version greater than*

- *Upgrade a package*

pip install --upgrade requests

- Uninstall a package

pip uninstall requests

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- *Display info about a package*
`pip show requests`
- *Search for a package*
`pip search django`
- *Create a list with all installed packages*
`pip freeze > package_list.txt`
- *Install all packages from a list*
`pip install -r package_list_new.txt`