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* Commands

Commands#

Conda provides many commands for managing packages and environments. The links on this page provide help for each command. You can also access help from the command line with the `--help` flag:

```
conda install --help
```

The following commands are part of conda:

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Conda vs. pip vs. virtualenv commands#

If you have used pip and virtualenv in the past, you can use conda to perform all of the same operations. Pip is a package manager and virtualenv is an environment manager. conda is both.

Scroll to the right to see the entire table.

Task	Conda package and environment manager command	Pip package manager command	Virtualenv environment manager command
Install a package	`conda install $PACKAGE_NAME`	`pip install $PACKAGE_NAME`	X
Update a package	`conda update --name $ENVIRONMENT_NAME $PACKAGE_NAME`	`pip install --upgrade $PACKAGE_NAME`	X
Update package manager	`conda update conda`	Linux/macOS: `pip install -U pip` Win: `python -m pip install -U pip`	X
Uninstall a package	`conda remove --name $ENVIRONMENT_NAME $PACKAGE_NAME`	`pip uninstall $PACKAGE_NAME`	X
Create an environment	`conda create --name $ENVIRONMENT_NAME python`	X	`cd

$ENV_BASE_DIR; virtualenv $ENVIRONMENT_NAME`

Activate an environment | `conda activate $ENVIRONMENT_NAME`* | X | `source $ENV_BASE_DIR/$ENVIRONMENT_NAME/bin/activate`

Deactivate an environment | `conda deactivate` | X | `deactivate`

Search available packages | `conda search $SEARCH_TERM` | `pip search $SEARCH_TERM` | X

Install package from specific source | `conda install --channel $URL $PACKAGE_NAME` | `pip install --index-url $URL $PACKAGE_NAME` | X

List installed packages | `conda list --name $ENVIRONMENT_NAME` | `pip list` | X

Create requirements file | `conda list --export` | `pip freeze` | X

List all environments | `conda info --envs` | X | Install virtualenv wrapper, then `lsvirtualenv`

Install other package manager | `conda install pip` | `pip install conda` | X

Install Python | `conda install python=x.x` | X | X

Update Python | `conda update python`* | X | X

* `conda activate` only works on conda 4.6 and later versions. For conda versions prior to 4.6, type:

> * Windows: `activate`
>
> * Linux and macOS: `source activate`
>
>

* `conda update python` updates to the most recent in the series, so any Python 2.x would update to the latest 2.x and any Python 3.x to the latest 3.x.

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* Conda vs. pip vs. virtualenv commands

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GitHub](https://github.com/conda/conda/edit/main/docs/source/commands/index.rst)

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