

# 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:

[`conda activate`](#)[`conda clean`](#)[`conda compare`](#)[`conda config`](#)[`conda create`](#)[`conda deactivate`](#)[`conda doctor`](#)[`conda env`](#)[`conda export`](#)[`conda info`](#)[`conda init`](#)[`conda install`](#)[`conda list`](#)[`conda notices`](#)[`conda package`](#)[`conda repoquery`](#)[`conda remove`](#) latest[Skip to main content](#)

[conda run](#)[conda search](#)[conda update](#)[conda commands](#)

## 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	<code>conda install</code> <code>\$PACKAGE_NAME</code>	<code>pip install</code> <code>\$PACKAGE_NAME</code>	X
Update a package	<code>conda update --name</code> <code>\$ENVIRONMENT_NAME</code> <code>\$PACKAGE_NAME</code>	<code>pip install</code> <code>--upgrade</code> <code>\$PACKAGE_NAME</code>	X
Update package manager	<code>conda update conda</code>	Linux/macOS: <code>pip install</code> <code>-U pip</code> Win: <code>python -m pip</code> <code>install -U</code> <code>pip</code>	X
Uninstall a package	<code>conda remove --name</code> <code>\$ENVIRONMENT_NAME</code> <code>\$PACKAGE_NAME</code>	<code>pip uninstall</code> <code>\$PACKAGE_NAME</code>	X
Create an	<code>conda create --name</code>	X	<code>cd \$ENV_BASE_D:</code> 

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Task	Conda package and environment manager command	Pip package manager command	Virtualenv environment manager command
	<code>python</code>		
Activate an environment	<code>conda activate</code> <code>\$ENVIRONMENT_NAME</code> *	X	<code>source</code> <code>\$ENV_BASE_DIR/\$ENVIRONMENT_NAME/bin</code>
Deactivate an environment	<code>conda deactivate</code>	X	<code>deactivate</code>
Search available packages	<code>conda search</code> <code>\$SEARCH_TERM</code>	<code>pip search</code> <code>\$SEARCH_TERM</code>	X
Install package from specific source	<code>conda install</code> <code>--channel \$URL</code> <code>\$PACKAGE_NAME</code>	<code>pip install</code> <code>--index-url</code> <code>\$URL</code> <code>\$PACKAGE_NAME</code>	X
List installed packages	<code>conda list --name</code> <code>\$ENVIRONMENT_NAME</code>	<code>pip list</code>	X
Create requirements file	<code>conda export</code> <code>--format=requirements</code> or <code>conda list</code> <code>--export</code>	<code>pip freeze</code>	X
List all environments	<code>conda info --envs</code>	X	Install virtualenv wrapper, then <code>lsv</code> :
Install other package manager	<code>conda install pip</code>	<code>pip install</code> <code>conda</code>	X
Install Python	<code>conda install</code> <code>python=x.x</code>	X	X

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Task	Conda package and environment manager command	Pip package manager command	Virtualenv environment manager command
Update Python	<code>conda update python</code> *	X	X

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