



# CONDA 4.4 CHEAT SHEET

Take a conda test drive at [bit.ly/tryconda](https://bit.ly/tryconda)

Windows, macOS, Linux:

Same commands for all platforms.

For full documentation of any command, add `--help` to the command.

EXAMPLE: `conda create --help`

## Getting Started

Verify conda is installed, check version number	<code>conda info</code>
Update conda to its latest version	<code>conda update conda</code>
Update all packages to the latest version of Anaconda. Will install stable and compatible versions, not necessarily the very latest	<code>conda update anaconda</code>

## Working with Environments

Create new environment named ENVNAME with specific version of Python and packages installed.	<code>conda create --name ENVNAME python=3.6 "PKG1&gt;=7.6" PKG2</code>
Activate a named conda environment	<code>conda activate ENVNAME</code>
Activate a conda environment using directory	<code>conda activate /path/to/project-dir</code>
Deactivate the current environment	<code>conda deactivate</code>
List all packages and versions in the active environment	<code>conda list</code>
List all packages and versions in a named environment	<code>conda list --name ENVNAME</code>
List all revisions made within the active environment	<code>conda list --revisions</code>
List all revisions made in a specified environment	<code>conda list --name ENVNAME --revisions</code>
Restore an environment to a previous revision	<code>conda install --name ENVNAME --revision REV_NUMBER</code>
Delete an environment	<code>conda env remove --name ENVNAME</code>

TIP: Anaconda Navigator is a desktop graphical user interface to manage packages and environments with conda. With Navigator you do not need to use a terminal to run conda commands, Jupyter Notebooks, JupyterLab, Spyder, and other tools. Navigator is installed with Anaconda, and may be added with Miniconda.

## Sharing Environments

Make an exact copy of an environment	<code>conda create --clone ENVNAME --name NEWENV</code>
Export an environment to a YAML file that can be read on Windows, macOS, and Linux	<code>conda env export --name ENVNAME &gt; envname.yml</code>
Create an environment from YAML file	<code>conda env create --file envname.yml</code>
Create an environment from the file named environment.yml in the current directory	<code>conda env create</code>
Export an environment with exact package versions for one OS	<code>conda list --explicit &gt; pkgs.txt</code>
Create an environment based on exact package versions	<code>conda create --name NEWENV --file pkgs.txt</code>

## Using Packages and Channels

Find a package in currently configured channels (as shown by conda info)	<code>conda search PKGNAME</code>
Find a package on all channels using the anaconda client	<code>anaconda search FUZZYNAME</code>
Install package from a specific channel	<code>conda install conda-forge::PKGNAME</code>
Install a package by exact version number (3.1.4)	<code>conda install PKGNAME==3.1.4</code>
Install a package at least matching a version (3.1+); limited pattern constrained to minor version, inequality allows all later versions	<code>conda install "PKGNAME&gt;=3.1.0"</code> <code>conda install PKGNAME=3.1"</code>
Install one of the listed versions (OR)	<code>conda install "PKGNAME=3.1.2 3.1.4"</code>
Install following several constraints (AND)	<code>conda install "PKGNAME&gt;2.5,&lt;3.2"</code>
Add a channel to your conda configuration	<code>conda config --add channels CHANNELNAME</code>

## Additional Useful Hints

Detailed information about package versions	<code>conda search PKGNAME --info</code>
Remove unused cached package versions	<code>conda clean --packages</code>
Remove a package from an environment	<code>conda uninstall PKGNAME --name ENVNAME</code>
Update all packages within an environment	<code>conda update --all --name ENVNAME</code>
Run most commands without requiring a user prompt. Useful for scripts.	<code>conda install --yes PKG1 PKG2</code>
Examine conda configuration and configuration sources	<code>conda config --show</code> <code>conda config --show-sources</code>

## More Resources

Free Community Support	<a href="http://bit.ly/conda_list">http://bit.ly/conda_list</a>
Online Documentation	<a href="https://conda.io">https://conda.io</a>
Paid Support Options	<a href="http://anaconda.com/support">anaconda.com/support</a>
Continuum On-Site Training Courses	<a href="http://anaconda.com/training">anaconda.com/training</a>
Continuum Consulting Services	<a href="http://anaconda.com/consulting">anaconda.com/consulting</a>

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