CONDA 4.4 CHEAT SHEET

Take a conda test drive at **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	`conda info`
Update conda to its latest version	`conda update conda`
Update all packages to the latest version of Anaconda. Will install stable and compatible versions, not necessarily the very latest	`conda update anaconda`

Working with Environments

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

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

Continued on back →

Using Packages and Channels

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

Additional Useful Hints

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

More Resources

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

Follow us on Twitter @anacondainc and join the #AnacondaCrew!
Connect with talented, like-minded data scientists and developers while contributing to the open source movement.
Visit anaconda.com/community.

About Anaconda, Inc.

With over 4.5 million users, Anaconda is the world's most popular Python data science platform. Anaconda, Inc. continues to lead open source projects like Anaconda, NumPy and SciPy that form the foundation of modern data science. Anaconda's flagship product, Anaconda Enterprise, allows organizations to secure, govern, scale and extend Anaconda to deliver actionable insights that drive businesses and industries forward.