

Quickstart

 **Tip:** It is recommended to create a new environment for any new project or workflow.

verify conda install and check version	conda info
update conda in base environment	conda update --name base conda
install latest anaconda distribution	conda install anaconda
create a new environment (tip: name environment descriptively)	conda create --name ENVNAME
activate environment (do this before installing packages)	conda activate ENVNAME

Channels and Packages

 **Tip:** Package dependencies and platform specifics are automatically resolved when using conda.

list installed packages	conda list
list installed packages with source info	conda list --show-channel-urls
update all packages	conda update --all
install a package from specific channel	conda install --channel CHANNELNAME PKGNAME conda install CHANNELNAME::PKGNAME
install package with AND logic	conda install " PKGNAME >2.5,<3.2"
install package with OR logic	conda install " PKGNAME [version='2.5 3.2']"
uninstall package	conda uninstall PKGNAME
view channel sources	conda config --show-sources
add channel	conda config --add channels CHANNELNAME
set default channel for pkg fetching	conda config --set channel_priority strict

Working with Conda Environments

 **Tip:** List environments at the beginning of your session. Environments with an asterisk are active.

list all environments and locations	conda info --envs
list all packages + source channels	conda list --name ENVNAME --show-channel-urls
install packages in environment	conda install --name ENVNAME PKGNAME1 PKGNAME2
remove package from environment	conda uninstall --name ENVNAME PKGNAME
update all packages in environment	conda update --all --name ENVNAME

Environment Management

💡 **Tip:** Specifying the environment name confines conda commands to that environment.

create environment with Python version

```
conda create --name ENVNAME python=3.12
```

clone environment

```
conda create --clone ENVNAME --name NEWENV
```

rename environment

```
conda rename --name ENVNAME NEWENVNAME
```

delete environment by name

```
conda remove --name ENVNAME --all
```

list revisions made to environment

```
conda list --name ENVNAME --revisions
```

restore environment to a revision

```
conda install --name ENVNAME --revision NUMBER
```

uninstall package from specific channel

```
conda remove --name ENVNAME  
--channel CHANNELNAME PKGNAME
```

Exporting Environments

💡 **Recommendation:** Name the export file "environment". Your environment name will be preserved.

cross-platform compatible

```
conda export --from-history>ENV.yml
```

platform + package specific

```
conda export ENVNAME>ENV.yml
```

platform + package + channel specific

```
conda list --explicit>ENV.txt
```

Importing Environments

💡 **Tip:** When importing an environment, conda resolves platform and package specifics.

from a .yml file

```
conda env create --name ENVNAME --file ENV.yml
```

from a .txt file

```
conda create --name ENVNAME --file ENV.txt
```

Additional Hints

get help for any command

```
conda COMMAND --help
```

get info for any package

```
conda search PKGNAME --info
```

run commands w/o user prompteg,
installing multiple packages

```
conda COMMAND ARG --yes  
conda install PKGNAME1 PKGNAME2 --yes
```

remove all unused files

```
conda clean --all
```

examine conda configuration

```
conda config --show
```