Conda Cheatsheet Forgotten the conda command parameters?

PAGE CONTENT

```
Installing and Updating Conda
```

Managing Packages

Working with Channels

Additional Commands Mamba (Optional)

Tips

Useful links

Here's a Conda Cheatsheet I've compiled some time ago... This **Conda Cheatsheet** is covering the most essential commands and tips for managing environments, packages, and channels I've found useful.

Installing and Updating Conda Verify Conda Installation and Version:

conda info

conda update conda

■ Update Anaconda Meta Package:

conda update anaconda

Create a New Environment:

Activate an Environment:

Deactivate an Environment:

conda deactivate

List All Environments:

conda env list

Clone an Environment:

Rename an Environment:

Delete an Environment:

conda env remove -n my_env

List Revisions of an Environment:

conda list ——revisions

Restore Environment to a Revision:

Managing Packages

List Installed Packages:

conda list

Install a Package:

conda install package_name

Update All Packages in an Environment:

conda remove package_name

conda search package_name

conda config --show channels

conda config --add channels conda-forge

conda config --set channel_priority strict

Exporting and Importing Environments

conda env create --name my_env --file environment.yml

conda create --name my_env --file requirements.txt

conda env export > environment.yml

conda list --export > requirements.txt

conda update --all

Uninstall a Package:

Search for Packages:

List Channels:

Add a Channel:

Set Channel Priority:

Export Environment to YAML:

Import Environment from YAML:

Export Environment to TEXT File:

■ Import Environment from TEXT File:

Additional Commands

Get Help for a Command:

conda install -h

conda config --get

Mamba (Optional)

Install Mamba:

conda config --get channels

conda install -c conda-forge mamba

conda -h

conda remove --name my_env --all

conda install --rev 3 # Roll back to revision 3

conda list -n my_env # List packages in a specific environment

conda install package_name=1.2.3 # Install a specific version

conda install -c conda-forge package_name # Install from a specific chan

conda remove --name my_env package_name # Uninstall from a specific envi

conda search -c conda-forge package_name # Search in a specific channel

conda config --prepend channels conda-forge # Add with highest priority

conda env export --from-history > environment.yml # Export only explicit

conda config --append channels bioconda # Add with lowest priority

conda info ——envs

conda create --name my_env

conda create -n my_env python=3.8 # Specify Python version

conda activate my_env # On Windows, Linux, macOS

conda create --clone old_env --name new_env

conda env rename -n old_env -d new_env

source activate my_env # On Linux, OS X (older syntax)

conda create -n bioinfo fastqc trimmomatic bwa # Create with specific pa

Update Conda:

Managing Environments

Working with Channels

revisions.

Tips Create Descriptive Environment Names: Helps in managing multiple environments. Activate Environment Before Installing Packages: Ensures packages are installed in the correct environment.

Use Specific Channels for Packages: Ensures you get the packages from the desired sources.

Avoid Dependency Conflicts: Install all programs in the environment at the same time[5].

Managing Environments Exporting and Importing Environments

Clean Up Unused Files: conda clean --all Examine Conda Configuration:

■ Use Mamba Interchangeably with Conda: Most commands are the same, but Mamba does not support rolling back environment revisions[2][4].

Mamba is a faster alternative to Conda, but it has some limitations, especially regarding environment