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`* [ `notices` ](../../dev-guide/api/conda/testing/notices/index.html) __`

`* [ ` fixtures` ](../../dev-guide/api/conda/testing/notices/fixtures/index.html)`

`* [ `helpers` ](../../dev-guide/api/conda/testing/notices/helpers/index.html)`

`* [ `solver_helpers` ](../../dev-guide/api/conda/testing/solver_helpers/index.html)`

`* [ `trust` ](../../dev-guide/api/conda/trust/index.html) __`

`* [ ` constants` ](../../dev-guide/api/conda/trust/constants/index.html)`

`* [ `signature_verification` ](../../dev-guide/api/conda/trust/signature_verification/index.html)`

`* [ `utils` ](../../dev-guide/api/conda/utils/index.html)`

- \* `[`conda_env`](../../dev-guide/api/conda_env/index.html) __`
- \* `[`cli`](../../dev-guide/api/conda_env/cli/index.html)`
- \* `[`installers`](../../dev-guide/api/conda_env/installers/index.html)`

- \* `[__](../../index.html)`
- \* `[User guide](../index.html)`
- \* Concepts

# Concepts#

In this section, we provide you with detailed information about the fundamental concepts in conda, including information about packages, channels, environments, and plugins, among others.

`[Commands](conda-commands.html)#`

Conda commands are your interface for interacting with everything

`[Packages](packages.html)#`

Learn about the different forms a package can take

`[Package specification](pkg-specs.html)#`

Learn about exactly what belongs in a package and what the different metadata files mean

[\[Package search and install\]\(pkg-search.html\)#](#)

The search specifications for a package (for the ``conda install`` and ``conda search`` commands)

[\[Channels\]\(channels.html\)#](#)

Learn about channels and how they host packages

[\[Environments\]\(environments.html\)#](#)

Learn about how environments work and how they differ from Python's virtual environments

[\[Installing with conda\]\(installing-with-conda.html\)#](#)

Take a deep dive into exactly what happens during an installation with conda

[\[Performance\]\(conda-performance.html\)#](#)

Understand what impacts the performance and speed of conda and how to improve it

[\[Conda for data scientists\]\(data-science.html\)#](#)

See why conda is a such a valuable tool for data scientists

[\[Plugins\]\(conda-plugins.html\)#](#)

The behavior of conda can be extended via plugins; learn more here

[\[ \\_\\_Edit on GitHub\]\(https://github.com/conda/conda/edit/main/docs/source/user-guide/concepts/index.rst\)](https://github.com/conda/conda/edit/main/docs/source/user-guide/concepts/index.rst)

[ [\\_\\_Show Source](#)](../../\_sources/user-guide/concepts/index.rst.txt)

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[ [Analytics Dashboard](https://docs-conda-io.goatcounter.com) ](<https://docs-conda-io.goatcounter.com> "Analytics Dashboard")

Built with the [\[PyData Sphinx Theme\]](https://pydata-sphinx-theme.readthedocs.io/en/stable/index.html) 0.15.4.