



ANACONDA DISTRIBUTION STARTER GUIDE

See full documentation for Anaconda Distribution
docs.anaconda.com/anaconda/

BEFORE YOU START

Why do I need Anaconda Distribution?

Installing Python in a terminal is no joy. Many scientific packages require a specific version of Python to run, and it's difficult to keep them from interacting with each other. It is even harder to keep them updated. Anaconda Distribution makes getting and maintaining these packages quick and easy.

What is Anaconda Distribution?

It is an open source, easy-to-install high performance Python and R distribution, with the conda package and environment manager and collection of 1,000+ open source packages with free community support.

Then what is Miniconda?

It's Anaconda Distribution without the collection of 1,000+ open source packages. With Miniconda you install only the packages you want with the conda command,
`conda install PACKAGENAME`

Example: `conda install anaconda-navigator`

GET IT

Will it work on my machine?

Yes, Anaconda Distribution is available for Windows, macOS or Linux x86 or POWER8, 32- or 64-bit, 3GB HD available. Miniconda is the same but needs only 400 MB HD.

Quick install it

docs.anaconda.com/anaconda/install

Get your conda cheat sheet

conda.io/docs/using/cheatsheet.html

Take the test drive

conda.io/docs/test-drive.html

NOW PLAY WITH THE WORLD'S MOST AWESOME SCIENTIFIC PACKAGES

Included in Anaconda 4.4+, or get with `"conda install PACKAGENAME"`

1. NumPy

numpy.org

N-dimensional array for numerical computation

2. SciPy

scipy.org

Scientific computing library for Python

3. Matplotlib

matplotlib.org

2D Plotting library for Python

4. Pandas

pandas.pydata.org

Powerful Python data structures and data analysis toolkit

5. Seaborn

seaborn.pydata.org/

Statistical graphics library for Python

6. Bokeh

bokeh.pydata.org

Interactive web visualization library

7. Scikit-Learn

scikit-learn.org/stable

Python modules for machine learning and data mining

8. NLTK

nltk.org

Natural language toolkit

9. Jupyter Notebook

jupyter.org

Web app that allows you to create and share documents that contain live code, equations, visualizations and explanatory text

10. R essentials

conda.pydata.org/docs/r-with-conda.html

R with 80+ of the most used R packages for data science
`"conda install r-essentials"`

R package list

docs.anaconda.com/anaconda/r/language-pkg-docs



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ANACONDA NAVIGATOR CHEAT SHEET

See full documentation for Anaconda Navigator
docs.anaconda.com/anaconda/navigator/

Before you Start

What is Anaconda Navigator?

Anaconda Navigator is an easy way to use graphical Python programs without having to use command line commands.

Get It

Will it work on my machine?

Anaconda Navigator is available for Windows, macOS or Linux, 32- or 64-bit, 3GB HD available. Navigator is automatically installed when you install Anaconda Distribution.

Follow the graphical install instructions

docs.anaconda.com/anaconda/install

Open Anaconda Navigator

After install, look on your desktop or programs menu for Anaconda Navigator and click it.

NOW PLAY WITH THE WORLD'S MOST AWESOME SCIENTIFIC PACKAGES

The screenshot shows the Anaconda Navigator desktop interface. At the top left is the Anaconda Navigator logo. On the right, it says "Signed in as testdocuser" with a "Sign out" button. A left sidebar contains navigation options: Home, Environments, Projects (beta), Learning, Community, and Documentation. The main area displays "Applications on root" with a "Channels" dropdown and a "Refresh" button. Six application cards are shown in a grid:

- jupyter notebook** (5.0.0): Web-based, interactive computing notebook environment. Edit and run human-readable docs while describing the data analysis. [Launch]
- qtconsole** (4.3.0): PyQt GUI that supports inline figures, proper multiline editing with syntax highlighting, graphical calltips, and more. [Launch]
- glueviz** (0.10.4): Multidimensional data visualization across files. Explore relationships within and among related datasets. [Install]
- orange3** (3.4.1): [Launch]
- rstudio** (1.0.136): [Launch]
- spyder** (3.2.0): [Launch]

MORE RESOURCES

Free email group support

<http://bit.ly/anaconda-community>

Paid support

anaconda.com/anaconda-support

Training

anaconda.com/training

Consulting

anaconda.com/anaconda-consulting

Follow us on Twitter [@anacondainc](https://twitter.com/anacondainc) and join the [#AnacondaCrew](https://twitter.com/AnacondaCrew)!

Connect with talented, like-minded data scientists and developers while contributing to the open source movement. Visit anaconda.com/community.

