

READY TO USE PYTHON ENVIRONMENT

On Fedora, Python comes pre-installed with first class support for Python virtual environments. It is ready for use straight out of the box. No guessing package names, no installation, just dive in and go:

```
[fedora]$ python3 -m venv env
[fedora]$ . env/bin/activate
(env) [fedora]$ python ...
```

EMBEDDED STUFF

Programming for computers and servers can be fun, but what about controlling much smaller devices such as the BBC micro:bit, boards with the ESP8266 chip or pyboards? With Fedora, you have everything you need to join the universe that is the Internet of Things.

Even if you don't have the actual device, you can run MicroPython on Fedora to test your code. It's there and ready for you in the repos.

SCIENCE STUFF

There are a lot of libraries for scientific computation and visualization available in Fedora. The most well known and widely used one is SciPy Stack which consists of Python, NumPy, SciPy, matplotlib, Jupyter Notebook, IPython, Pandas, SymPy and more. It's easy, and there is no need to compile stuff.

ALL THE PYTHONS

Fedora repositories include many versions of Python: CPython in multiple 3.X and 2.X versions, PyPy 2 and 3, Jython and even MicroPython. Testing Python code on different interpreters has never been easier.

You can `sudo dnf install` the Python you need, or you can install a bunch of them with `sudo dnf install tox`.



MORE, COMING SOON

The work is never done! We're Python Special Interest Group, and we're making Fedora an even better system for Python developers, and Python an even better language for Fedora.

PYTHON 3 BY DEFAULT

Fedora helps lead the Python 3 Porting Efforts™. Major OS components are already running on Python 3 and more than a half of the Python packages in the repos are Python 3 compatible.

When you install Fedora Workstation or Cloud, there's no Legacy Python installed by default. However, `/usr/bin/python` remains Python 2, as described in PEP 394.

TEACH & LEARN PYTHON

Make your class focus on mastering the language, not on preparing the environment!

The Fedora Python Classroom Lab is a ready to use operating system with important stuff pre-installed – either with GNOME or as a headless environment for Docker or Vagrant. Teach Python on Fedora, with Fedora, using the stuff you love: IPython, Jupyter Notebook, multiple Pythons, virtualenvs, tox, git and more

FEDORANS == PYTHONISTAS

Not only is Fedora great for coding in Python, but important parts of Fedora are actually written in it. Python powers the Anaconda system installer, the DNF package manager and the kernel ... Just kidding, the kernel is not written in Python.

The majority of Fedora's infrastructure, where the distribution is actually being created, runs on Python as well. All Open Source, as we love it.