

DEVELOPING WITH PYTHON ON FEDORA

The Fedora Project's mission is to lead the advancement of Free and open source software and content as a collaborative community. **The Fedora Project contributes everything it builds back to the Free and open source world, and anyone can participate.**

We strive to:

- Be on the leading edge of free and open source technology by adopting and helping to develop new features and versions
- Establish and implement technical standards for packages, ensuring the quality and consistency of the operating system
- Promote rapid adoption of new releases by allowing for easy upgrades with minimal disturbances to existing configurations



WHY FEDORA FOR PYTHON DEVELOPMENT?

Fedora provides a robust Python development platform out of the box, composed of thousands of managed and updated Python packages including:

Python 2.x & 3.x runtimes

Run both simultaneously!

Jython

Python 2.x in Java

Winpdb

A very fast threaded Python debugger

IPython

Enhanced, interactive Python shell

PyDev

An extensible plug-in for Python on Eclipse

Google-app engine-python

The Google App Engine SDK for Python

GitPython

Interact with git

ScientificPython

A module collection for scientific computing

Pip

Install and manage Python packages

PyPy

Python 2.x and 3.x written in python & compiled to native code

FEDORA♥s PYTHON

Everything in the infrastructure that powers Fedora is Free Software, and most of what we use is Python based.

Fedora Account System

admin.fedoraproject.org/accounts

Fedora Packages

apps.fedoraproject.org/packages

Bodhi *update processing*

bodhi.fedoraproject.org

Koji *build system*

koji.fedoraproject.org

Pagure *A git-centered forge*

pagure.io

Anitya *cross-distro release monitor*

release-monitoring.org

Pyrasite *inject code into running processes*

github.com/lmacken/pyrasite

Fedmsg *infra message queueing*

fedmsg.com

Fedora Elections

admin.fedoraproject.org/voting

Fedimg *Upload images to cloud*

github.com/fedora-infra/fedimg

Tahrir *Issue your own Open Badges*

github.com/fedora-infra/tahrir

Hyperkitty *mailman & web forum*

fedorahosted.org/hyperkitty

Ansible *manage all the nodes!*

ansible.com

OpenStack *leading cloud platform*

openstack.org