DEVELOPING WITH PYTHON ON FEDORA

Fedora incorporates leading-edge technologies built by Free software developers around the globe. 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

GET FEDORA:
http://get.fedoraproject.org

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 and Python 3.x runtimes (at the same time!)

- jython: Python 2.x in Java

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

- Pip: Install and manage Python packages

- Winpdb: A very fast threaded Python debugger

- ScientificPython: A module collection for scientific computing

- IPython: Enhanced, interactive Python shell

- google-app engine-python: The Google App Engine SDK for Python

- GitPython (interact with git)

- GStreamer with Python (play your videos)

FEDORA LOVES 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
- **Trac** (issue and code tracking) trac.edgewall.org
- **anitya** (cross-distro release monitor) relkease-monitoring.org
- **faitout** (access to temp Postgres DBs) faitout.fedorainfracloud.org
- **Fedmsg** (infra message queueing) www.fedmsg.com
- **Fedora Elections** admin.fedoraproject.org/voting
- **fedimg** (Upload images to cloud) github.com/fedora-infra/fedimg
- **rube** (Selenium tests for web infra) github.com/fedora-infra/rube
- **hyperkitty** (mailman & web forum) fedorahosted.org/hyperkitty
- **Ansible** (manage all the nodes!) ansible.cc
- **OpenStack** (leading cloud platform) www.openstack.org