

ACTIVEPYTHON

The World's Most Powerful Scripting Language from the Industry's Most Trusted Vendor

Recognized as one of the top 10 programming languages for the past 15 years, the Python open source programming language has garnered a huge developer following that has created more than 100,000 third-party packages. As a result, enterprise usage of Python has escalated, and right along with it so have the risks associated with adopting open source software, which typically include variably licensed and maintained third-party components.

"TRUSTED BY DEVELOPERS, PROVEN FOR ENTERPRISE"

Contact us to find out how you can get the exact builds you need, we have a way to configure whatever you need.

DELIVERING PYTHON DISTROS SINCE 1999

97% of Fortune 1000 companies trust us for their open source language distributions.

300+ popular third-party packages, carefully curated for license compliance & stale-date components.

20+ years of building open source languages.

Ensure Compliance. Packages are validated against GPL and GNU licensing.

Decrease Risk. Commercial-grade support and maintenance for mission critical applications.

Commercial Support. Commercial-grade support & maintenance, as well as license indemnification.

Lower TCO. Standardized distribution decreases installation and deployment overhead.

PRE-COMPILED, PRE-VERIFIED AND PRE-OPTIMIZED

ActiveState has been in the business of providing supported, community-derived OSS language distributions for more than 20 years. Enterprises are ensured they can safely adopt open source software (OSS) like Go in their mission critical applications.

Our ActivePython distribution features more than 300 popular third-party packages, all of which have been carefully curated for license compliance and stale-dated components that may arise from lack of community support. Only then are the packages incorporated into our OS-specific installers, AMI or Docker distributions through a process of rigorous testing, patching and optimization to ensure compatibility and performance.

As a result, ActivePython "just works" out of the box, dramatically decreasing the time to provision your teams with a standard Python distribution that features the same packages, versioning and licensing no matter the form factor, ensuring consistency while reducing friction and uncertainty for your Dev and DevOps teams.

ACTIVEPYTHON FOR MACHINE LEARNING

Data Scientists understand the value of Python when it comes to creating and verifying algorithms against large datasets in order to create trained models. However, these routines tend to be computationally expensive, bottlenecking development and delaying time to market.

ActivePython is the only distribution to provide a complete, one-click Python distribution for Machine Learning that includes all the basic data science packages (NumPy, SciPy, matplotlib, etc) along with popular Machine Learning packages (Theano, Keras, TensorFlow, etc) and Intel's Math Kernel Library (MKL), all of which have been optimized for compatibility and performance. The result is faster CPU-based math processing which can dramatically decrease the time to create trained models.

KEY FEATURES AND FUNCTIONALITY

Pre-compiled	All of our >300 packages included have been pre-compiled and pre-integrated to ensure compatibility and optimization between all components.
Pre-verified	All packages have been verified to ensure against outdated or vulnerable versions, as well as incompatibility or improper licensing.
Commercial Support & Maintenance	Email and/or phone support with guaranteed response times, accompanied by regular maintenance releases, security patches and updates.
Indemnification	Ensure against legal IP infringement and unwittingly violating third party license agreements.
OEM Licensing	Permits royalty-free redistribution of ActivePython in your commercial application, along with second-line support.
Math Function Acceleration	Includes Intel's Math Kernel Library for Increasing performance and reducing development time via optimized math routines.
Komodo IDE	Complimentary license for ActiveState's cross-platform, polyglot IDE, which offers a wealth of features and functionality to make Python coding easier.
Online and Offline Docs	Extensive documentation for the base language, as well as all included packages allow you to be productive while connected or disconnected.

AVAILABILITY

Python Versions	ActivePython distributions are available for Python 2.7.x and 3.5.x.
Operating Systems	Support for the latest releases of Mac OS, Windows and major Linux vendors, as well as IBM AIX, Oracle Solaris and HP-UX.
Form Factors	Available as an OS-specific installer; an Amazon Machine Image (AMI) on the AWS Marketplace, or as a Docker Container on Docker Hub/Store.
Custom Builds	Custom-built versions of ActivePython (based on Python 2.x or 3.x) featuring the packages/versions you need on the platform/environment you run.

KEY INCLUDED PACKAGES (MORE THAN 300 IN TOTAL)

Data Science	NumPy, SciPy, Pandas, Jupyter, IPython, dask, airflow, luigi, and more.
Big Data	HDF5, PyTables, pymongo, SQLAlchemy, pyMySQL, elasticsearch, and more.
Data Visualization	Matplotlib, bokeh, seaborn, and more.
Machine Learning	Keras, Theano, TensorFlow, scikit-learn, Lasagne.
Web App Development	Django, Flask, Tornado, requests, AWS SDK, google-cloud, and more.
Code Quality/Testing	Pytest, selenium, nose, flake8, coverage, and more.
Security	Cryptography, pyOpenSSL, ecdsa, passlib, bcrypt, request-oauthlib, PyCryptodome, service_identity, and more.
Dev Tools	pytz, PyYAML, lxml, py, cffi, and more.