
Python 2.7.0 Release

Python 2.7.0

Note: A bugfix release, 2.7.16, is currently [available](https://www.python.org/downloads/release/python-2716/). Its use is recommended.

Python 2.7.0 was released on July 3rd, 2010.

Python 2.7 is scheduled to be the last major version in the 2.x series before it moves into an extended maintenance period. This release contains many of the features that were first released in Python 3.1. Improvements in this release include:

- An ordered dictionary type
- New unittest features including test skipping, new assert methods, and test discovery
- A much faster io module
- Automatic numbering of fields in the `str.format()` method
- Float repr improvements backported from 3.x
- Tile support for Tkinter
- A backport of the memoryview object from 3.x
- Set literals
- Set and dictionary comprehensions
- Dictionary views
- New syntax for nested with statements
- The sysconfig module

See these resources for further information:

- [What's new in 2.7?](http://docs.python.org/dev/whatsnew/2.7.html) (<http://docs.python.org/dev/whatsnew/2.7.html>)
- [Change log for this release](http://svn.python.org/projects/python/tags/r27/Misc/NEWS) (<http://svn.python.org/projects/python/tags/r27/Misc/NEWS>).
- [Online Documentation](http://docs.python.org/2.7/) (<http://docs.python.org/2.7/>)
- Report bugs at <http://bugs.python.org> (<http://bugs.python.org>).
- [Help fund Python and its community](https://www.python.org/psf/donations/) ([/psf/donations/](https://www.python.org/psf/donations/)).

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This is a production release. Please [report any bugs](http://bugs.python.org) (<http://bugs.python.org>) you encounter.

We currently support these formats for download:

- [Gzipped source tar ball \(2.7.0\)](http://ftp.python.org/2.7/Python-2.7.tgz) ([/ftp/python/2.7/Python-2.7.tgz](http://ftp.python.org/2.7/Python-2.7.tgz)), ([sig](http://ftp.python.org/2.7/Python-2.7.tgz.asc)) ([/ftp/python/2.7/Python-2.7.tgz.asc](http://ftp.python.org/2.7/Python-2.7.tgz.asc))

- [Bzipped source tar ball \(2.7.0\)](ftp://python/2.7/Python-2.7.tar.bz2) ([sig](ftp://python/2.7/Python-2.7.tar.bz2.asc)) ([/ftp/python/2.7/Python-2.7.tar.bz2.asc](ftp://python/2.7/Python-2.7.tar.bz2.asc)).
- [Windows x86 MSI Installer \(2.7.0\)](ftp://python/2.7/python-2.7.msi) ([sig](ftp://python/2.7/python-2.7.msi)) ([/ftp/python/2.7/python-2.7.msi.asc](ftp://python/2.7/python-2.7.msi.asc)).
- [Windows X86-64 MSI Installer \(2.7.0\)](ftp://python/2.7/python-2.7.amd64.msi) ([\[1\]](ftp://python/2.7/python-2.7.amd64.msi)) ([#id2](ftp://python/2.7/python-2.7.amd64.msi.asc)) ([sig](ftp://python/2.7/python-2.7.amd64.msi.asc)) ([/ftp/python/2.7/python-2.7.amd64.msi.asc](ftp://python/2.7/python-2.7.amd64.msi.asc)).
- [Mac Installer disk image \(2.7.0\) for OS X 10.5 and later](ftp://python/2.7/python-2.7-macosx10.5.dmg) ([sig](ftp://python/2.7/python-2.7-macosx10.5.dmg)) ([/ftp/python/2.7/python-2.7-macosx10.5.dmg.asc](ftp://python/2.7/python-2.7-macosx10.5.dmg.asc)). It contains code for PPC, i386, and x86-64.
- [32-bit Mac Installer disk image \(2.7.0\) for OS X 10.3 and later](ftp://python/2.7/python-2.7-macosx10.3.dmg) ([sig](ftp://python/2.7/python-2.7-macosx10.3.dmg)) ([/ftp/python/2.7/python-2.7-macosx10.3.dmg.asc](ftp://python/2.7/python-2.7-macosx10.3.dmg.asc)).
- [Windows help file](ftp://python/2.7/python27.chm) ([sig](ftp://python/2.7/python27.chm)) ([/ftp/python/2.7/python27.chm.asc](ftp://python/2.7/python27.chm.asc)).

The source tarballs are signed with Benjamin Peterson's key (fingerprint: 12EF 3DC3 8047 DA38 2D18 A5B9 99CD EA9D A413 5B38). The Windows installer was signed by Martin von Löwis' public key, which has a key id of 7D9DC8D2. The Mac installers were signed with Ronald Ousoren's key, which has a key id of E6DF025C. The public keys are located on the [download page](#) ([/download#pubkeys](#)).

MD5 checksums and sizes of the released files:

35f56b092ecf39a6bd59d64f142aae0f	14026384	Python-2.7.tgz
0e8c9ec32abf5b732bea7d91b38c3339	11735195	Python-2.7.tar.bz2
bd0dc174cbefbc37064ea81db1f669b7	16247296	python-2.7.amd64.msi
1719febcbcb0e0af3a6d3a47ba5fbf851	15913472	python-2.7.msi
759077d3763134b3272f0e04ea082bd9	21420655	python-2.7-macosx10.3.dmg
bb3d6f1e300da7fbc2730f1af9317d99	21509961	python-2.7-macosx10.5.dmg
575156d33dc71b6581865a374f5c7ad2	5754439	python27.chm

[1] The binaries for AMD64 will also work on processors that implement the Intel 64 architecture (formerly EM64T), i.e. the architecture that Microsoft calls x64, and AMD called x86-64 before calling it AMD64. They will not work on Intel Itanium Processors (formerly IA-64).



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