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## A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes

2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
2.6.5	2.6.4	2010	PSF	yes

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- (2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in ``src/lib/gssapi'`, including the following files:

- lib/gssapi/generic/gssapi\_err\_generic.et
- lib/gssapi/mechglue/g\_accept\_sec\_context.c
- lib/gssapi/mechglue/g\_acquire\_cred.c
- lib/gssapi/mechglue/g\_canon\_name.c
- lib/gssapi/mechglue/g\_compare\_name.c
- lib/gssapi/mechglue/g\_context\_time.c
- lib/gssapi/mechglue/g\_delete\_sec\_context.c
- lib/gssapi/mechglue/g\_dsp\_name.c
- lib/gssapi/mechglue/g\_dsp\_status.c
- lib/gssapi/mechglue/g\_dup\_name.c
- lib/gssapi/mechglue/g\_exp\_sec\_context.c
- lib/gssapi/mechglue/g\_export\_name.c
- lib/gssapi/mechglue/g\_glue.c
- lib/gssapi/mechglue/g\_imp\_name.c
- lib/gssapi/mechglue/g\_imp\_sec\_context.c
- lib/gssapi/mechglue/g\_init\_sec\_context.c
- lib/gssapi/mechglue/g\_initialize.c
- lib/gssapi/mechglue/g\_inquire\_context.c
- lib/gssapi/mechglue/g\_inquire\_cred.c

lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/ipropr\_hdr.h  
kadmin/server/ipropr\_svc.c  
lib/kdb/ipropr.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
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Ping6.c

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Iputils-ping-20020927

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**This Product includes ncurses software under the below License**

#### Announcing ncurses 5.4

The ncurses (new curses) library is a free software emulation of curses in System V Release 4.0, and more. It uses terminfo format, supports pads and color and multiple highlights and forms characters and function-key mapping, and has all the other SYSV-curses enhancements over BSD curses.

In mid-June 1995, the maintainer of 4.4BSD curses declared that he considered 4.4BSD curses obsolete, and is encouraging the keepers of Unix releases such as BSD/OS, FreeBSD and netBSD to switch over to ncurses.

The ncurses code was developed under GNU/Linux. It has been in use for some time with OpenBSD as the system curses library, and on FreeBSD and NetBSD as an external package. It should port easily to any ANSI/POSIX-conforming UNIX. It has even been ported to OS/2 Warp!

The distribution includes the library and support utilities, including a terminfo compiler tic(1), a decompiler infocmp(1), clear(1), tput(1), tset(1), and a termcap conversion tool captinfo(1). Full manual pages are provided for the library and tools.

The ncurses distribution is available via anonymous FTP at the GNU distribution site [1]<ftp://ftp.gnu.org/gnu/ncurses/> .  
It is also available at [2]<ftp://invisible-island.net/ncurses/> .

**This Product includes netkit-ftp software under the below License**

This is netkit-ftp-0.17 for Linux.

This package updates netkit-ftp-0.16.

If you're reading this off a CD, go right away and check the net archives for later versions and security fixes. As of this writing the home site for NetKit is

<ftp://ftp.uk.linux.org/pub/linux/Networking/netkit>

Contents:

ftp            Client program for the ftp protocol.

Requires:

Working compiler, libc, and kernel.

libreadline (GNU readline library) is optional but recommended. If you use it, you will need a recent ncurses or libtermcap as well.

Security:

This release contains no security fixes relative to netkit-ftp-0.16. However, versions prior to netkit-ftp-0.16 are insecure and should not be used.

Note:

To compile ftp with readline support you'll need a copy of the readline library installed. If you don't have it, get readline-2.0 (or higher) from <ftp.gnu.org>. You'll probably need to apply the enclosed patch, or ftp will have problems with ^C handling.

(Feedback on readline 3.x or higher would be appreciated.)

Installation:

Patch your readline library if necessary.

Do `./configure --help` and decide what options you want. The defaults should be suitable for most Linux systems. Then run the configure script.

Do `"make"` to compile.  
Then (as root) do `"make install"`.

Save a backup copy of any mission-critical program in case the new one doesn't work, and so forth. We warned you.

If you get gcc warnings from files in `/usr/include`, they are due to problems in your libc, not netkit. (You may only see them when compiling netkit because netkit turns on a lot of compiler warnings.)

DEC CC:

The DEC compiler for the Alpha is now freely available. This is a much better compiler with gcc, that is, it generates much better code. If you have the DEC compiler, you can explicitly use the DEC compiler instead of gcc by configuring like this:

```
./configure --with-c-compiler=ccc
```

It is known to generate spurious warnings on some files. Also, some headers from some versions of glibc confuse it; that may prevent netkit from working. Other problems should be reported as bugs.

**Bugs:**

Please make sure the header files in /usr/include match the libc version installed in /lib and /usr/lib. If you have weird problems this is the most likely culprit.

Also, before reporting a bug, be sure you're working with the latest version.

If something doesn't compile for you, fix it and send diffs. If you can't, send the compiler's error output.

If it compiles but doesn't work, send as complete a bug report as you can. Patches and fixes are welcome, as long as you describe adequately what they're supposed to fix. Please, one patch per distinct fix. Please do NOT send the whole archive back or reindent the source.

Be sure to send all correspondence in e-mail to the netkit address. Postings to netnews or mailing lists will not be seen due to the enormous volume. Also, anything that doesn't get filed in the bug database is quite likely to end up forgotten.

Please don't report known bugs (see the BUGS file(s)) unless you are including fixes. :-)

Mail should be sent to: netbug@ftp.uk.linux.org

Early in April 2000, a hacker broke into the machine that was hosting the netkit bug database for me and trashed it. Unfortunately, it seems backups hadn't gotten done for a while, so three months of mail (since mid-January) was lost. So, if you sent something and didn't hear back, or you sent something, heard back, but the changes failed to appear in this release (unlikely but possible) - please resend.

Please see <http://www.hcs.harvard.edu/~dholland/computers/netkit.html> if you are curious why it was so long between the 0.10 and 0.16 releases.

Future plans for netkit maintenance are still up in the air, but in the meantime new releases will still appear from time to time. I don't have a whole lot of cycles to spare to work on netkit, so things are likely to continue to be fairly slow.

David A. Holland  
23 July 2000/\*

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**This Product includes netkit-telnet software under the below License**

This is netkit-telnet-0.17 for Linux.

This package updates netkit-telnet-0.16.

If you're reading this off a CD, go right away and check the net  
archives for later versions and security fixes. As of this writing the  
home site for NetKit is

<ftp://ftp.uk.linux.org/pub/linux/Networking/netkit>

Contents:

telnet	Client for telnet protocol
telnetd	Daemon for telnet protocol

Note: These programs do not provide encryption or strong  
authentication of network connections. As such, their use for remote  
logins is discouraged. The "ssh" protocol and package can be used  
instead.

Requires:

Working compiler, libc, and kernel, and a recent version of  
ncurses or libtermcap.

Note that while telnet uses the C++ compiler, it neither requires nor uses libstdc++.

#### Security:

This release contains no security fixes relative to netkit-telnet-0.16. However, versions prior to that should not be used.

Telnetd is evil legacy code and is not trustworthy - do not run it unless you absolutely need it.

This release contains experimental login wrapper code to permit running telnetd as a non-root user. This code is not built by default. Look in the "telnetlogin" directory and the telnetlogin man page contained therein for more information.

#### Old kernels:

If you have an old kernel, you may need to apply the enclosed pty-hang patch to it. I don't unfortunately know at the moment which kernel versions need the patch, but current 2.0.x and 2.2.x should be ok without it.

The following test will tell you if you need the patch: telnet to localhost, do "cat >/dev/null", and type 256 characters without any newlines. If you need the patch, telnetd will hang completely at this point. If it refuses to accept more input, but does not hang, you do not need the patch.

#### Installation:

Do "./configure --help" and decide what options you want. The defaults should be suitable for most Linux systems. Then run the configure script.

Do "make" to compile.  
Then (as root) do "make install".

Save a backup copy of any mission-critical program in case the new one doesn't work, and so forth. We warned you.

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```
./configure --with-c-compiler=ccc
```

It is known to generate spurious warnings on some files. Also, some headers from some versions of glibc confuse it; that may prevent netkit from working. Other problems should be reported

as bugs.

Note that there is no corresponding C++ compiler, so telnet will be compiled with g++ anyway.

**Bugs:**

Please make sure the header files in /usr/include match the libc version installed in /lib and /usr/lib. If you have weird problems this is the most likely culprit.

Also, before reporting a bug, be sure you're working with the latest version.

If something doesn't compile for you, fix it and send diffs. If you can't, send the compiler's error output.

If it compiles but doesn't work, send as complete a bug report as you can. Patches and fixes are welcome, as long as you describe adequately what they're supposed to fix. Please, one patch per distinct fix. Please do NOT send the whole archive back or reindent the source.

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/\* zlib.h -- interface of the 'zlib' general purpose compression library  
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