

Install Tkinter on CentOS 7

Tkinter is a Python binding to the Tk GUI toolkit. It is the standard Python interface to the Tk GUI toolkit, and is Python's de facto standard GUI.

Tkinter is included with standard Linux, Microsoft Windows and Mac OS X installs of Python. The name Tkinter comes from Tk interface.

Unfortunately Tkinter is not installed on CentOS 7 as a part of Python standard package, you can install it as following:

```
# yum install tkinter
Loaded plugins: fastestmirror
Loading mirror speeds from cached hostfile
 * base: data.aonenetworks.kr
 * epel: hk.mirrors.thegigabit.com
 * extras: data.aonenetworks.kr
 * nux-dextop: mirror.li.nux.ro
 * remi-php56: mirror.bebout.net
 * remi-php72: mirror.bebout.net
 * remi-safe: mirror.bebout.net
 * updates: data.aonenetworks.kr
Resolving Dependencies
--> Running transaction check
--> Package tkinter.x86_64 0:2.7.5-86.el7 will be installed
--> Processing Dependency: python = 2.7.5-86.el7 for package: tkinter-2.7.5-86.el7.x86_64
--> Processing Dependency: libtk8.5.so()(64bit) for package: tkinter-2.7.5-86.el7.x86_64
--> Processing Dependency: libTix.so()(64bit) for package: tkinter-2.7.5-86.el7.x86_64
--> Running transaction check
--> Package python.x86_64 0:2.7.5-80.el7_6 will be updated
--> Processing Dependency: python(x86-64) = 2.7.5-80.el7_6 for package: python-devel-2.7.5-80.el7_6.x86_64
--> Package python.x86_64 0:2.7.5-86.el7 will be an update
--> Processing Dependency: python-libs(x86-64) = 2.7.5-86.el7 for package: python-2.7.5-86.el7.x86_64
--> Package tix.x86_64 1:8.4.3-12.el7 will be installed
--> Package tk.x86_64 1:8.5.13-6.el7 will be installed
--> Running transaction check
--> Package python-devel.x86_64 0:2.7.5-80.el7_6 will be updated
--> Package python-devel.x86_64 0:2.7.5-86.el7 will be an update
--> Processing Dependency: python2-rpm-macros > 3-30 for package: python-devel-2.7.5-86.el7.x86_64
--> Processing Dependency: python-rpm-macros > 3-30 for package: python-devel-2.7.5-86.el7.x86_64
--> Package python-libs.x86_64 0:2.7.5-80.el7_6 will be updated
--> Package python-libs.x86_64 0:2.7.5-86.el7 will be an update
--> Running transaction check
--> Package python-rpm-macros.noarch 0:3-32.el7 will be installed
--> Processing Dependency: python-srpm-macros for package: python-rpm-macros-3-32.el7.noarch
--> Package python2-rpm-macros.noarch 0:3-32.el7 will be installed
--> Running transaction check
--> Package python-srpm-macros.noarch 0:3-32.el7 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
Package                Arch          Version           Repository  Size
=====
Installing:
tkinter                 x86_64        2.7.5-86.el7      base        327 k
Installing for dependencies:
python-rpm-macros       noarch        3-32.el7          base         8.8 k
python-srpm-macros     noarch        3-32.el7          base         8.4 k
python2-rpm-macros     noarch        3-32.el7          base         7.7 k
tix                     x86_64        1:8.4.3-12.el7    base        254 k
tk                      x86_64        1:8.5.13-6.el7    base         1.4 M
Updating for dependencies:
python                  x86_64        2.7.5-86.el7      base         95 k
python-devel            x86_64        2.7.5-86.el7      base        398 k
python-libs             x86_64        2.7.5-86.el7      base        5.6 M
```

Transaction Summary

```
=====
Install 1 Package (+5 Dependent packages)
```

Upgrade (3 Dependent packages)

Total download size: 8.1 M

Is this ok [y/d/N]: y

Downloading packages:

Delta RPMs disabled because /usr/bin/applydeltarpm not installed.

(1/9): python-2.7.5-86.el7.x86_64.rpm	95 kB	00:00
(2/9): python-libs-2.7.5-86.el7.x86_64.rpm	5.6 MB	00:00
(3/9): python-rpm-macros-3-32.el7.noarch.rpm	8.8 kB	00:00
(4/9): python-srpm-macros-3-32.el7.noarch.rpm	8.4 kB	00:00
(5/9): python2-rpm-macros-3-32.el7.noarch.rpm	7.7 kB	00:00
(6/9): tix-8.4.3-12.el7.x86_64.rpm	254 kB	00:00
(7/9): tk-8.5.13-6.el7.x86_64.rpm	1.4 MB	00:00
(8/9): python-devel-2.7.5-86.el7.x86_64.rpm	398 kB	00:00
(9/9): tkinter-2.7.5-86.el7.x86_64.rpm	327 kB	00:00

Total 13 MB/s | 8.1 MB 00:00

Running transaction check

Running transaction test

Transaction test succeeded

Running transaction

Updating	: python-libs-2.7.5-86.el7.x86_64	1/12
Updating	: python-2.7.5-86.el7.x86_64	2/12
Installing	: 1:tk-8.5.13-6.el7.x86_64	3/12
Installing	: 1:tix-8.4.3-12.el7.x86_64	4/12
Installing	: python2-rpm-macros-3-32.el7.noarch	5/12
Installing	: python-srpm-macros-3-32.el7.noarch	6/12
Installing	: python-rpm-macros-3-32.el7.noarch	7/12
Updating	: python-devel-2.7.5-86.el7.x86_64	8/12
Installing	: tkinter-2.7.5-86.el7.x86_64	9/12
Cleanup	: python-devel-2.7.5-80.el7_6.x86_64	10/12
Cleanup	: python-2.7.5-80.el7_6.x86_64	11/12
Cleanup	: python-libs-2.7.5-80.el7_6.x86_64	12/12
Verifying	: python-devel-2.7.5-86.el7.x86_64	1/12
Verifying	: python-2.7.5-86.el7.x86_64	2/12
Verifying	: python-srpm-macros-3-32.el7.noarch	3/12
Verifying	: tkinter-2.7.5-86.el7.x86_64	4/12
Verifying	: 1:tix-8.4.3-12.el7.x86_64	5/12
Verifying	: 1:tk-8.5.13-6.el7.x86_64	6/12
Verifying	: python-libs-2.7.5-86.el7.x86_64	7/12
Verifying	: python-rpm-macros-3-32.el7.noarch	8/12
Verifying	: python2-rpm-macros-3-32.el7.noarch	9/12
Verifying	: python-devel-2.7.5-80.el7_6.x86_64	10/12
Verifying	: python-2.7.5-80.el7_6.x86_64	11/12
Verifying	: python-libs-2.7.5-80.el7_6.x86_64	12/12

Installed:

tkinter.x86_64 0:2.7.5-86.el7

Dependency Installed:

python-rpm-macros.noarch 0:3-32.el7	python-srpm-macros.noarch 0:3-32.el7
python2-rpm-macros.noarch 0:3-32.el7	tix.x86_64 1:8.4.3-12.el7
tk.x86_64 1:8.5.13-6.el7	

Dependency Updated:

python.x86_64 0:2.7.5-86.el7	python-devel.x86_64 0:2.7.5-86.el7
python-libs.x86_64 0:2.7.5-86.el7	

Complete!