

Creating a Source Distribution

Distutils supports building multiple types of release packages. At a minimum, you should build a “source distribution” that contains your source code, your Distutils setup script, your “read me” file, and whatever [additional files you want to include](#). To build a source distribution, pass the `sdist` command to your Distutils setup script.

```
c:\Users\pilgrim\chardet> c:\python31\python.exe setup.py sdist
running sdist
running check
reading manifest template 'MANIFEST.in'
writing manifest file 'MANIFEST'
creating chardet-1.0.2
creating chardet-1.0.2\chardet
creating chardet-1.0.2\docs
creating chardet-1.0.2\docs\images
copying files to chardet-1.0.2...
copying COPYING -> chardet-1.0.2
copying README.txt -> chardet-1.0.2
copying setup.py -> chardet-1.0.2
copying chardet\__init__.py -> chardet-1.0.2\chardet
copying chardet\big5freq.py -> chardet-1.0.2\chardet
...
copying chardet\universaldetector.py -> chardet-1.0.2\chardet
copying chardet\utf8prober.py -> chardet-1.0.2\chardet
copying docs\faq.html -> chardet-1.0.2\docs
copying docs\history.html -> chardet-1.0.2\docs
copying docs\how-it-works.html -> chardet-1.0.2\docs
copying docs\index.html -> chardet-1.0.2\docs
copying docs\license.html -> chardet-1.0.2\docs
copying docs\supported-encodings.html -> chardet-1.0.2\docs
copying docs\usage.html -> chardet-1.0.2\docs
copying docs\images\caution.png -> chardet-1.0.2\docs\images
copying docs\images\important.png -> chardet-1.0.2\docs\images
copying docs\images\note.png -> chardet-1.0.2\docs\images
copying docs\images\permalink.gif -> chardet-1.0.2\docs\images
copying docs\images\tip.png -> chardet-1.0.2\docs\images
copying docs\images\warning.png -> chardet-1.0.2\docs\images
creating dist
creating 'dist\chardet-1.0.2.zip' and adding 'chardet-1.0.2' to it
adding 'chardet-1.0.2\COPYING'
adding 'chardet-1.0.2\PKG-INFO'
adding 'chardet-1.0.2\README.txt'
adding 'chardet-1.0.2\setup.py'
adding 'chardet-1.0.2\chardet\big5freq.py'
adding 'chardet-1.0.2\chardet\big5prober.py'
```



```
...
adding 'chardet-1.0.2\chardet\universaldetector.py'
adding 'chardet-1.0.2\chardet\utf8prober.py'
adding 'chardet-1.0.2\chardet\__init__.py'
adding 'chardet-1.0.2\docs\faq.html'
adding 'chardet-1.0.2\docs\history.html'
adding 'chardet-1.0.2\docs\how-it-works.html'
adding 'chardet-1.0.2\docs\index.html'
adding 'chardet-1.0.2\docs\license.html'
adding 'chardet-1.0.2\docs\supported-encodings.html'
adding 'chardet-1.0.2\docs\usage.html'
adding 'chardet-1.0.2\docs\images\caution.png'
adding 'chardet-1.0.2\docs\images\important.png'
adding 'chardet-1.0.2\docs\images\note.png'
adding 'chardet-1.0.2\docs\images\permalink.gif'
adding 'chardet-1.0.2\docs\images\tip.png'
adding 'chardet-1.0.2\docs\images\warning.png'
removing 'chardet-1.0.2' (and everything under it)
```

Several things to note here:

- Distutils noticed the manifest file (**MANIFEST.in**).
- Distutils successfully parsed the manifest file and added the additional files we wanted — **COPYING.txt** and the HTML and image files in the **docs/** directory.
- If you look in your project directory, you'll see that Distutils created a **dist/** directory. Within the **dist/** directory the **.zip** file that you can distribute.

```
c:\Users\pilgrim\chardet> dir dist
Volume in drive C has no label.
Volume Serial Number is DED5-B4F8

Directory of c:\Users\pilgrim\chardet\dist

07/30/2009  06:29 PM    <DIR>          .
07/30/2009  06:29 PM    <DIR>          ..
07/30/2009  06:29 PM                206,440 chardet-1.0.2.zip
               1 File(s)                206,440 bytes
               2 Dir(s)  61,424,635,904 bytes free
```

