
WinSys Documentation

Release 1.0beta

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We read MSDN so you don't have to

Introduction

WinSys is a Python package which wraps aspects of the Windows API to make them more Pythonic and usable by Windows administrators directly from the interpreter or as part of a wider set of applications. It targets recent versions of Python and reasonably recent versions of Windows although it's not yet up to speed on Vista/W7 & x64.

It is unashamedly platform-specific: no hint of a concession towards more Unix-like operating systems. You can read about the design philosophy and decisions in `about-winsys`. If you want to see some examples, have a look in the `cookbook`.

WinSys is developed as an Open Source project and the project home, together with issues list and browseable source code is at:

<https://github.com/tjguk/winsys>

If you're interested in helping with the project let me know and I'll add you to the project members list.

Example

Copy a registry key from HKLM to HKCU and set its permissions so that only the current user has change access while everyone else gets read. Then dump the details of the new top-level key, including its security.

```
1 from __future__ import with_statement
2 from winsys import registry, accounts
3
4 new_key = registry.copy(r"HKLM\Software\Python", r"HKLM\Software\WinsysPython")
5
6 try:
7     with new_key.security() as sec:
8         sec.break_inheritance(copy_first=False)
9         sec.dacl += [
10             ("Users", "R", "ALLOW"),
11             (accounts.me(), "F", "ALLOW"),
12         ]
13         sec.dump()
14
15 finally:
16     print "***"
17     new_key.security().dump()
```

This example makes use of the `registry`, `accounts` and `security` modules. You can see discussion of this example and more in the cookbook.

Download

- easy_install:

```
FIXME: NOT YET -- easy_install winsys
```

- MSI installers & Zipped archives

Visit <http://timgolden.me.uk/python/downloads/winsys/> and then:

```
winsys-x.y.z.msi
```

or:

```
unzip winsys-x.y.z.zip  
python setup.py install
```

- Git master:

```
git clone git://github.com/tjguk/winsys.git
```

and then either add that directory into `sys.path` (I use a `.pth` file but whatever works for you) or run `setup.py install` from there. I don't do `setuptools`, so you can't do `setup.py develop` unless you tweak the `setup.py` code.

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