The WatchDog API Module

This library contains implementation of Linux watchdog device API for Python (see Documentation/watchdog/watchdog-api.txt in Linux kernel source tree).

The built-in type included in extension module provides wrapper methods for ioctl commands as well as simple write access to the device.

The Module interface

keep_alive()	feed the dog to prevent the reset,return value None
get_status()	get the current status of the dog,return value 0
get_boot_status()	get boot status of the dog,return value 0
get_timeout()	get the dog timeout value
set_timeout(int timeout)	set the dog timeout value. max is 65
magic_close	turn off the dog reset mechanism

Make sure your watchdog driver is loaded and /dev/watchdog exists and is writeable.After that you should be able to import the module and open the watchdog device:

The example

```
root@hezhi:/#

root@hezhi:/# python

Python 2.7.12 (default, Apr 28 2020, 14:46:50)

[GCC 4.8.3] on linux2

Type "help", "copyright", "credits" or "license" for more information.

>>> from watchdogapi import *

>>> wdt = watchdog('/dev/watchdog')

>>> wdt.get_timeout()

65
```

```
>>> wdt.get_status()
0
>>> wdt.get_boot_status()
0
>>> wdt.keep_alive()
>>> wdt.set_timeout(60)
>>> wdt.magic_close()
>>>
```