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Jan Holmberg, <jan@artech.net> :
  o Memory framework
  o HTTP/SSL checkers

Bradley Baetz, <bradley.baetz@optusnet.com.au> :
  o MISC checker redesign
  o Scheduler framework extension to support child process handling.
  o Daemon framework extension to block SIGCHLD to only receive it when its unblocked in the scheduling select loop.

Jeremy Rumpf, <rumpf.6@osu.edu> :
  o Added SMTP checker

Chris Caputo, <ccaputo@alt.net> :
  o Added dont_track_primary, no_preempt, preempt_delay, and misc_dynamic.

Kevin Lindsay, <kevinl@netnation.com> :
  o Fixed shadowed declaration reported by -Wshadow.
  o Redesigned signal handling.

Nick Couchman, <nick.couchman at seakr.com> :
  o Patch for u_threshold and l_threshold support.
Willy Tarreau, <w at 1wt.eu> :
- Extended VRRP framework to support floating priority.

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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX
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1.37 mock 2.0.0

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1.38 msgpack-python 0.4.6

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1.39 net-snmp 5.7.2

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.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png
   :target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
   :alt: Build Status

1. What is this?
______________

It's been annoying me for some time that there's no easy way to get the
addresses of the machine's network interfaces from Python. There is
a good reason for this difficulty, which is that it is virtually impossible
to do so in a portable manner. However, it seems to me that there should
be a package you can easy_install that will take care of working out the
details of doing so on the machine you're using, then you can get on with
writing Python code without concerning yourself with the nitty gritty of
system-dependent low-level networking APIs.

This package attempts to solve that problem.

2. How do I use it?
_______________

First you need to install it, which you can do by typing::

    tar xzvf netifaces-0.10.6.tar.gz
cd netifaces-0.10.6
python setup.py install

**Note that you will need the relevant developer tools for your platform**, as netifaces is written in C and installing this way will compile the extension.

Once that's done, you'll need to start Python and do something like the following::

```python
>>> import netifaces
```

Then if you enter

```python
>>> netifaces.interfaces()
['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']
```

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

```python
>>> addrs = netifaces.ifaddresses('lo0')
{18: [{'addr': ''}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': ':1', 'netmask': 'ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::1'}, {'peer': '', 'netmask': 'ffff:ffff:ffff:ffff::', 'addr': 'fe80::1%lo0'}]}
```

Hmmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first::

```python
{ 18: [...], 2: [...], 30: [...] }
```

Each of the numbers refers to a particular address family. In this case, we have three address families listed; on my system, 18 is ``AF_LINK`` (which means the link layer interface, e.g. Ethernet), 2 is ``AF_INET`` (normal Internet addresses), and 30 is ``AF_INET6`` (IPv6).

But wait! Don't use these numbers in your code. The numeric values here are system dependent; fortunately, I thought of that when writing netifaces, so the module declares a range of values that you might need. e.g.

```python
>>> netifaces.AF_LINK
18
```

Again, on your system, the number may be different.

So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the ``AF_INET`` addresses now:

```python
>>> addrs = netifaces.ifaddresses('lo0')
```
You might be wondering why this value is a list. The reason is that it's possible for an interface to have more than one address, even within the same family. I'll say that again: *you can have more than one address of the same type associated with each interface*.

*Asking for "the" address of a particular interface doesn't make sense.*

Right, so, we can see that this particular interface only has one address, and, because it's a loopback interface, it's point-to-point and therefore has a *peer* address rather than a broadcast address.

Let's look at a more interesting interface.

```
>>> addrs = netifaces.ifaddresses('en0')
>>> addrs[netifaces.AF_INET]
[{'broadcast': '10.15.255.255', 'netmask': '255.240.0.0', 'addr': '10.0.1.4'}, {'broadcast': '192.168.0.255', 'addr': '192.168.0.47'}]
```

This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *may not* appear on your system if it's set to the default for the address range.

Because this interface isn't point-to-point, it also has broadcast addresses.

Now, say we want, instead of the IP addresses, to get the MAC address; that is, the hardware address of the Ethernet adapter running this interface. We can do

```
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a'}]
```

Note that this may not be available on platforms without getifaddrs(), unless they happen to implement `SIOCGIFHWADDR`. Note also that you just get the address; it's unlikely that you'll see anything else with an `AF_LINK` address. Oh, and don't assume that all `AF_LINK` addresses are Ethernet; you might, for instance, be on a Mac, in which case:

```
>>> addrs = netifaces.ifaddresses('fw0')
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a:bc:de'}]
```

No, that isn't an exceptionally long Ethernet MAC address---it's a FireWire address.
As of version 0.10.0, you can also obtain a list of gateways on your machine:

```
>>> netifaces.gateways()
{2: [('10.0.1.1', 'en0', True), ('10.2.1.1', 'en1', False)], 30: [('fe80::1', 'en0', True)], 'default': { 2: ('10.0.1.1', 'en0'), 30: ('fe80::1', 'en0') }}
```

This dictionary is keyed on address family---in this case, ``AF_INET``---and each entry is a list of gateways as `(address, interface, is_default)` tuples. Notice that here we have two separate gateways for IPv4 (``AF_INET``); some operating systems support configurations like this and can either route packets based on their source, or based on administratively configured routing tables.

For convenience, we also allow you to index the dictionary with the special value ``default```, which returns a dictionary mapping address families to the default gateway in each case. Thus you can get the default IPv4 gateway with

```
>>> gws = netifaces.gateways()
>>> gws['default'][netifaces.AF_INET]
('10.0.1.1', 'en0')
```

Do note that there may be no default gateway for any given address family; this is currently very common for IPv6 and much less common for IPv4 but it can happen even for ``AF_INET``.

BTW, if you're trying to configure your machine to have multiple gateways for the same address family, it's a very good idea to check the documentation for your operating system *very* carefully, as some systems become extremely confused or route packets in a non-obvious manner.

I'm very interested in hearing from anyone (on any platform) for whom the ``gateways()`` method doesn't produce the expected results. It's quite complicated extracting this information from the operating system (whichever operating system we're talking about), and so I expect there's at least one system out there where this just won't work.

3. This is great! What platforms does it work on?

```
-----------------------------------------------
It gets regular testing on OS X, Linux and Windows. It has also been used successfully on Solaris, and it's expected to work properly on other UNIX-like systems as well. If you are running something that is not supported, and wish to contribute a patch, please use BitBucket to send a pull request.
```

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```
-----------------------------------------------
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5. Why the jump to 0.10.0?

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Because someone released a fork of netifaces with the version 0.9.0. Hopefully skipping the version number should remove any confusion. In addition starting with 0.10.0 Python 3 is now supported and other features/bugfixes have been included as well. See the CHANGELIST for a more complete list of changes.

1.41 packaging 16.8

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1.42 pbr 3.1.1

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1.47 pygobject 3.14.0

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1.52 pytest-cov 1.8.1
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1.54 pytest-mock 1.6.0

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1.55 python-appdirs 1.4.3

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1.56 python-decorator 3.4.0

1.57 python-defusedxml 0.4.1 :28-Mar-2013
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1.58 python-editor 1.0.1 :1

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1.59 python-etcd 0.4.5

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1.60 python-ipy 0.83

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1.61 python-passlib 1.6.5 :1.el7

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modified April 2001
by Iris Van den Broeke, Daniel Deville

modified Aug 2005
by Greg Wilkins (gregw)

converted to python Jun 2009
by Eli Collins

jBCrypt
-------
The source file `passlib/utils/_blowfish/base.py` contains code derived
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implementation of the BCrypt password hash algorithm. It is available under
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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1.72 salt 2016.3.3

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Salt - Remote execution system

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Salt - Remote execution system

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# -*- coding: utf-8 -*-

'''This module allows you to manage windows licensing via slmgr.vbs

.. code-block:: bash

    salt '*' license.install XXXXX-XXXXX-XXXXX-XXXXX-XXXXX

# Import Python Libs
from __future__ import absolute_import
import re
import logging

# Import Salt Libs
import salt.utils

log = logging.getLogger(__name__)
__virtualname__ = 'license'

def __virtual__():
    
    Only work on Windows

    if salt.utils.is_windows():
        return __virtualname__
    return False

def installed(product_key):
    
    Check to see if the product key is already installed.
    
    Note: This is not 100% accurate as we can only see the last
    5 digits of the license.
CLI Example:

.. code-block:: bash

    salt '*' license.installed XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
    
    cmd = r'cscript C:\Windows\System32\slmgr.vbs /dli'
    out = __salt__['cmd.run'](cmd)
    return product_key[-5:] in out

def install(product_key):
    
    Install the given product key

    CLI Example:

    .. code-block:: bash

        salt '*' license.install XXXXX-XXXXX-XXXXX-XXXXX-XXXXX
        
        cmd = r'cscript C:\Windows\System32\slmgr.vbs /ipk {0}'.format(product_key)
        return __salt__['cmd.run'](cmd)

def uninstall():
    
    Uninstall the current product key

    CLI Example:

    .. code-block:: bash

        salt '*' license.uninstall
        
        cmd = r'cscript C:\Windows\System32\slmgr.vbs /upk'
        return __salt__['cmd.run'](cmd)

def activate():
    
    Attempt to activate the current machine via Windows Activation

    CLI Example:

    .. code-block:: bash

        salt '*' license.activate
```python

```
cmd = r'cscript C:\Windows\System32\slmgr.vbs /ato'
return __salt__['cmd.run'](cmd)
```

def licensed():
```
return true if the current machine is licensed correctly
```

CLI Example:

code-block:: bash

```
salt '*' license.licensed
```

```
cmd = r'cscript C:\Windows\System32\slmgr.vbs /dli'
out = __salt__['cmd.run'](cmd)
return 'License Status: Licensed' in out
```

def info():
```
return information about the license, if the license is not
```

correctly activated this will return None.

CLI Example:

code-block:: bash

```
salt '*' license.info
```

```
cmd = r'cscript C:\Windows\System32\slmgr.vbs /dli'
out = __salt__['cmd.run'](cmd)
```

match = re.search(r'Name: (.*)
Description: (.*)
Partial Product Key: (.*)
License Status: (.*)', out,
    re.MULTILINE)

if match is not None:
    groups = match.groups()
    return {
       'name': groups[0],
       'description': groups[1],
       'partial_key': groups[2],
       'licensed': 'Licensed' in groups[3]
    }

return None
Installation and activation of windows licenses

.. code-block:: yaml

    XXXXX-XXXXX-XXXXX-XXXXX-XXXXX:
        license.activate

# Import python libs
from __future__ import absolute_import
import logging

# Import Salt Libs
import salt.utils

log = logging.getLogger(__name__)
__virtualname__ = 'license'

def __virtual__():
    '''
    Only work on Windows
    '''
    if salt.utils.is_windows():
        return __virtualname__
    return False

def activate(name):
    '''
    Install and activate the given product key
    name
        The 5x5 product key given to you by Microsoft
    '''

    ret = {'name': name,
           'result': True,
           'comment': '',
           'changes': {}}

    product_key = name
license_info = __salt__['license.info']()
licensed = False
key_match = False
if license_info is not None:
    licensed = license_info['licensed']
    key_match = license_info['partial_key'] in product_key
if not key_match:
    out = __salt__['license.install'](product_key)
    licensed = False
    if 'successfully' not in out:
        ret['result'] = False
        ret['comment'] += 'Unable to install the given product key is it valid?'
        return ret
if not licensed:
    out = __salt__['license.activate']()
    if 'successfully' not in out:
        ret['result'] = False
        ret['comment'] += 'Unable to activate the given product key.'
    return ret
    ret['comment'] += 'Windows is now activated.'
else:
    ret['comment'] += 'Windows is already activated.'
    return ret

Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: salt
Upstream-Contact: salt-users@googlegroups.com
Source: https://github.com/saltstack/salt

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Files in this directory were created in-house.

# -*- coding: utf-8 -*-

# Import Python libs
from __future__ import absolute_import

# Import Salt Libs
from salt.modules import win_license as license

# Import Salt Testing Libs
from salttesting import TestCase
from salttesting.helpers import ensure_in_syspath
from salttesting.mock import (MagicMock, patch)

ensure_in_syspath('../../')

license.__salt__ = {}

class LicenseTestCase(TestCase):
    def test_installed(self):
        '''
        Test to see if the given license key is installed
        '''
        mock = MagicMock(return_value='Partial Product Key: ABCDE')
        with patch.dict(license.__salt__, {'cmd.run': mock}):
            out = license.installed('AAAAA-AAAAA-AAAAA-AAAA-A-AAAA-A-ABCDE')
            mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /dli')
            self.assertTrue(out)
def test_installed_diff(self):
    ...  
    Test to see if the given license key is installed when the key is different  
    ...
    mock = MagicMock(return_value='Partial Product Key: 12345')
    with patch.dict(license.__salt__, {'cmd.run': mock}):
        out = license.installed('AAAAA-AAAAA-AAAAA-AAAAA-AAAAA-ABCDE')
        mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /dli')
        self.assertFalse(out)

def test_install(self):
    ...  
    Test installing the given product key  
    ...
    mock = MagicMock()
    with patch.dict(license.__salt__, {'cmd.run': mock}):
        license.install('AAAAA-AAAAA-AAAAA-AAAAA-AAAAA-ABCDE')
        mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /ipk ' 
                                      'AAAAA-AAAAA-AAAAA-AAAAA-AAAAA-ABCDE')

def test_uninstall(self):
    ...  
    Test uninstalling the given product key  
    ...
    mock = MagicMock()
    with patch.dict(license.__salt__, {'cmd.run': mock}):
        license.uninstall()
        mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /upk')

def test_activate(self):
    ...  
    Test activating the current product key  
    ...
    mock = MagicMock()
    with patch.dict(license.__salt__, {'cmd.run': mock}):
        license.activate()
        mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /ato')

def test_licensed(self):
    ...  
    Test checking if the minion is licensed  
    ...
    mock = MagicMock(return_value='License Status: Licensed')
    with patch.dict(license.__salt__, {'cmd.run': mock}):
        license.licensed()
        mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /dli')
def test_info(self):
    
    Test getting the info about the current license key
    
    expected = {
        'description': 'Prof',
        'licensed': True,
        'name': 'Win7',
        'partial_key': '12345'
    }

    mock = MagicMock(return_value='
Name: Win7
Description: Prof
Partial Product Key: 12345
License Status: Licensed')

    with patch.dict(license.__salt__, {'cmd.run': mock}):
        out = license.info()
        mock.assert_called_once_with(r'cscript C:\Windows\System32\slmgr.vbs /dli')
        self.assertEqual(out, expected)

if __name__ == '__main__':
    from integration import run_tests
    run_tests(LicenseTestCase, needs_daemon=False)

    # Import Python libs
    from __future__ import absolute_import

    # Import Salt Libs
    from salt.states import win_license as license

    # Import Salt Testing Libs
    from salttesting import TestCase
    from salttesting.helpers import ensure_in_syspath
    from salttesting.mock import (MagicMock, patch)

    ensure_in_syspath('./')

    license.__salt__ = {

    }

    class LicenseTestCase(TestCase):

        def test_activate(self):
            
            Test activating the given product key
            
    # -*- coding: utf-8 -*-
expected = {
    'changes': {},
    'comment': 'Windows is now activated.',
    'name': 'AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE',
    'result': True
}

info = {
    'description': 'Prof',
    'licensed': False,
    'name': 'Win7',
    'partial_key': 'XXXXX'
}

info_mock = MagicMock(return_value=info)
install_mock = MagicMock(return_value='Installed successfully')
activate_mock = MagicMock(return_value='Activated successfully')
with patch.dict(license.__salt__, {'license.info': info_mock, 'license.install': install_mock, 'license.activate': activate_mock}):
    out = license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE')
info_mock.assert_called_once_with()
install_mock.assert_called_once_with('AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE')
activate_mock.assert_called_once_with()
self.assertEqual(out, expected)

def test_installed_not_activated(self):
    ...
    Test activating the given product key when the key is installed but not activated
    ...
    expected = {
        'changes': {},
        'comment': 'Windows is now activated.',
        'name': 'AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE',
        'result': True
    }

    info = {
        'description': 'Prof',
        'licensed': False,
        'name': 'Win7',
        'partial_key': 'ABCDE'
    }

    info_mock = MagicMock(return_value=info)
    install_mock = MagicMock(return_value='Installed successfully')
    activate_mock = MagicMock(return_value='Activated successfully')
    with patch.dict(license.__salt__, {'license.info': info_mock, 'license.install': install_mock, 'license.activate': activate_mock}):
        out = license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE')
    info_mock.assert_called_once_with()
    install_mock.assert_called_once_with('AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE')
    activate_mock.assert_called_once_with()
    self.assertEqual(out, expected)
'license.install': install_mock,
'license.activate': activate_mock):
out = license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE')
info_mock.assert_called_once_with()
assert not install_mock.called
activate_mock.assert_called_once_with()
self.assertEqual(out, expected)

def test_installed_activated(self):
    ...
    Test activating the given product key when it's already activated ...
    expected = {
        'changes': {},
        'comment': 'Windows is already activated.',
        'name': 'AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE',
        'result': True
    }
    info = {
        'description': 'Prof',
        'licensed': True,
        'name': 'Win7',
        'partial_key': 'ABCDE'
    }
    info_mock = MagicMock(return_value=info)
    install_mock = MagicMock(return_value='Installed successfully')
    activate_mock = MagicMock(return_value='Activated successfully')
    with patch.dict(license.__salt__, {'license.info': info_mock,
        'license.install': install_mock,
        'license.activate': activate_mock}):
        out = license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE')
        info_mock.assert_called_once_with()
        assert not install_mock.called
        assert not activate_mock.called
        self.assertEqual(out, expected)

def test_installed_install_fail(self):
    ...
    Test activating the given product key when the install fails ...
    expected = {
        'changes': {},
        'comment': 'Unable to install the given product key is it valid?',
        'name': 'AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE',
        'result': False
    }
def test_installed_activate_fail(self):
    ""
    Test activating the given product key when the install fails
    ""
    expected = {
        'changes': {},
        'comment': 'Unable to activate the given product key.',
        'name': 'AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE',
        'result': False
    }

    info = {
        'description': 'Prof',
        'licensed': False,
        'name': 'Win7',
        'partial_key': 'ABCDE'
    }

    info_mock = MagicMock(return_value=info)
    install_mock = MagicMock()
    activate_mock = MagicMock()
    with patch.dict(license.__salt__, {'license.info': info_mock,
                                          'license.install': install_mock,
                                          'license.activate': activate_mock}):
        out = license.activate('AAAAA-AAAAA-AAAAA-AAAA-AAAAA-ABCDE')
        info_mock.assert_called_once_with()
        assert not install_mock.called
        activate_mock.assert_called_once_with()
self.assertEqual(out, expected)

if __name__ == '__main__':
    from integration import run_tests
    run_tests(LicenseTestCase, needs_daemon=False)
salt.modules.win_license module

.. automodule:: salt.modules.win_license
    :members:

salt.states.win_license module

.. automodule:: salt.states.win_license
    :members:

1.73 six 1.10.0 :3

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Format: http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
Upstream-Name: six
Source: http://pypi.python.org/pypi/six/

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1.74 slip 0.4.0

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1.77 tornado 4.2.1

1.78 urllib3 1.22

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# Contributions to the urllib3 project

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## Contributors

In chronological order:

* victor.vde <http://code.google.com/u/victor.vde/>
  * HTTPS patch (which inspired HTTPSConnectionPool)

* erikcederstrand <http://code.google.com/u/erikcederstrand/>
  * NTLM-authenticated HTTPSConnectionPool
  * Basic-authenticated HTTPSConnectionPool (merged into make_headers)

* niphlod <niphlod@gmail.com>
  * Client-verified SSL certificates for HTTPSConnectionPool
  * Response gzip and deflate encoding support
  * Better unicode support for filepost using StringIO buffers

* btoconnor <brian@btoconnor.net>
  * Non-multipart encoding for POST requests

* p.dobrogost <http://code.google.com/u/@WBRSRlBZDhBFXQB6/>
  * Code review, PEP8 compliance, benchmark fix

* kennethreitz <me@kennethreitz.com>
  * Bugfixes, suggestions, Requests integration

* georgemarshall <http://github.com/georgemarshall>
  * Bugfixes, Improvements and Test coverage

* Thomas Kluyver <thomas@kluyver.me.uk>
  * Python 3 support

* brandon-rhodes <http://rhodesmill.org/brandon>
* Design review, bugfixes, test coverage.

* studer <theo.studer@gmail.com>
  * IPv6 url support and test coverage

* Shivaram Lingamneni <slingamn@cs.stanford.edu>
  * Support for explicitly closing pooled connections

* hartator <hartator@gmail.com>
  * Corrected multipart behavior for params

* Thomas Weischuh <thomas@t-8ch.de>
  * Support for TLS SNI
  * API unification of ssl_version/cert_reqs
  * SSL fingerprint and alternative hostname verification
  * Bugfixes in testsuite

* Sune Kirkeby <mig@ibofobi.dk>
  * Optional SNI-support for Python 2 via PyOpenSSL.

* Marc Schlaich <marc.schlaich@gmail.com>
  * Various bugfixes and test improvements.

* Bryce Boe <bbzbryce@gmail.com>
  * Correct six.moves conflict
  * Fixed pickle support of some exceptions

* Boris Figovsky <boris.figovsky@ravellosystems.com>
  * Allowed to skip SSL hostname verification

* Cory Benfield <http://lukasa.co.uk/about/>
  * Stream method for Response objects.
  * Return native strings in header values.
  * Generate 'Host' header when using proxies.

* Jason Robinson <jaywink@basshero.org>
  * Add missing WrappedSocket.fileno method in PyOpenSSL

* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
  * Fixed a race condition

* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
  * Added HTTPS (CONNECT) proxy support

* Stephen Holsapple <sholsapp@gmail.com>
  * Added abstraction for granular control of request fields

* Martin von Gagern <Martin.vGagern@gmx.net>
* Support for non-ASCII header parameters

* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
* Support for separate connect and request timeouts

* Peter Waller <p@pwaller.net>
* HTTPResponse.tell() for determining amount received over the wire

* Nipunn Koorapati <nipunn1313@gmail.com>
* Ignore default ports when comparing hosts for equality

* Danilo @dbrgn <http://dbrgn.ch>/
* Disabled TLS compression by default on Python 3.2+
* Disabled TLS compression in pyopenssl contrib module
* Configurable cipher suites in pyopenssl contrib module

* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
* Account retries on proxy errors

* Nicolas Delaby <nicolas.delaby@ezeep.com>
* Use the platform-specific CA certificate locations

* Josh Schneier <https://github.com/jschneier>
* HTTPHeaderDict and associated tests and docs
* Bugfixes, docs, test coverage

* Tahia Khan <http://tahia.tk/>
* Added Timeout examples in docs

* Arthur Grunseid <http://grunseid.com>
* source_address support and tests (with https://github.com/bui)

* Ian Cordasco <graffatcolmingov@gmail.com>
* PEP8 Compliance and Linting
* Add ability to pass socket options to an HTTP Connection

* Erik Tollerud <erik.tollerud@gmail.com>
* Support for standard library io module.

* Krishna Prasad <kprasad.iitd@gmail.com>
* Google App Engine documentation

* Aaron Meurer <asmeurer@gmail.com>
* Added Url.url, which unparses a Url

* Evgeny Kapun <abacababadacaba@gmail.com>
* Bugfixes
* Benjamen Meyer <bm_witness@yahoo.com>  
  * Security Warning Documentation update for proper capture

* Shivan Sornarajah <github@sornars.com>  
  * Support for using ConnectionPool and PoolManager as context managers.

* Alex Gaynor <alex.gaynor@gmail.com>  
  * Updates to the default SSL configuration

* Tomas Tomecek <ttomecek@redhat.com>  
  * Implemented generator for getting chunks from chunked responses.

* tlynn <https://github.com/tlynn>  
  * Respect the warning preferences at import.

* David D. Riddle <ddriddle@illinois.edu>  
  * IPv6 bugfixes in testsuite

* Jon Wayne Parrott <jonwayne@google.com>  
  * App Engine environment tests.

* John Krauss <https://github.com/talos>  
  * Clues to debugging problems with `cryptography` dependency in docs

* Disassem <https://github.com/Disassem>  
  * Fix pool-default headers not applying for url-encoded requests like GET.

* James Atherfold <jlatherfold@hotmail.com>  
  * Bugfixes relating to cleanup of connections during errors.

* Christian Pedersen <https://github.com/chripede>  
  * IPv6 HTTPS proxy bugfix

* Jordan Moldow <https://github.com/jmoldow>  
  * Fix low-level exceptions leaking from `HTTPResponse.stream()`.
  * Bugfix for `ConnectionPool.urlopen(release_conn=False)`.
  * Creation of `HTTPConnectionPool.ResponseCls`.

* Predrag Gruevski <https://github.com/obi1kenobi>  
  * Made cert digest comparison use a constant-time algorithm.

* Adam Talsma <https://github.com/a-tal>  
  * Bugfix to ca_cert file paths.

* Evan Meagher <https://evanmeagher.net>  
  * Bugfix related to `memoryview` usage in PyOpenSSL adapter

* John Vandenberg <jayvdb@gmail.com>
* Python 2.6 fixes: pyflakes and pep8 compliance

* Andy Caldwell <andy.m.caldwell@googlemail.com>
* Bugfix related to reusing connections in indeterminate states.

* Ville Skytt <ville.skytta@iki.fi>
* Logging efficiency improvements, spelling fixes, Travis config.

* Shige Takeda <smtakeda@gmail.com>
* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response

* Jesse Shapiro <jesse@jesseshapiro.net>
* Various character-encoding fixes/tweaks
* Disabling IPv6 DNS when IPv6 connections not supported

* David Foster <http://dafoster.net/>
* Ensure order of request and response headers are preserved.

* Jeremy Cline <jeremy@jcline.org>
* Added connection pool keys by scheme

* Aviv Palivoda <palaviv@gmail.com>
* History list to Retry object.
* HTTPResponse contains the last Retry object.

* Nate Prewitt <nate.prewitt@gmail.com>
* Ensure timeouts are not booleans and greater than zero.
* Fixed infinite loop in `stream` when amt=None.
* Added length_remaining to determine remaining data to be read.
* Added enforce_content_length to raise exception when incorrect content-length received.

* Seth Michael Larson <sethmichaellarson@protonmail.com>
* Created selectors backport that supports PEP 475.

* Alexandre Dias <alex.dias@smarkets.com>
* Don't retry on timeout if method not in whitelist

* Moinuddin Quadri <moin18@gmail.com>
* Lazily load idna package

* Tom White <s6yg1ez3@mail2tor.com>
* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.

* Tim Burke <tim.burke@gmail.com>
* Stop buffering entire deflate-encoded responses.

* Tuukka Mustonen <tuukka.mustonen@gmail.com>
* Add counter for status_forcelist retries.
* Erik Rose <erik@mozilla.com>
* Bugfix to pyopenssl vendoring

* [Your name or handle] <[email or website]>
* [Brief summary of your changes]
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1.82 WTForms 2.1

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