STMOP API

The Simple Text Oriented Messaging Protocol

Stomp.py API

```
>>> import time
>>> import sys
>>>
>>> import stomp
>>>
>>> class MyListener(stomp.ConnectionListener):
        def on error(self, headers, message):
>>>
            print('received an error "%5"' % message)
>>>
        def on message(self, headers, message):
>>>
            print('received a message "%5"' % message)
>>>
>>> conn = stomp.Connection()
>>> conn.set_listener('', MyListener())
>>> conn.start()
>>> conn.connect('admin', 'password', wait=True)
>>>
>>> conn.subscribe(destination='/queue/test', id=1, ack='auto')
>>>
>>> conn.send(body=' '.join(sys.argv[1:]), destination='/queue/test')
>>>
>>> time.sleep(2)
>>> conn.disconnect()
```

Establishing a connection

```
>>> import stomp
>>> c = stomp.Connection([('127.0.0.1', 62613)])
>>> c.start()
>>> c.connect('admin', 'password', wait=True)
```

Protocol12.connect (username=None, passcode=None, wait=False, headers=None,

* *keyword_headers)

Send a STOMP CONNECT frame, Differs from 1.0 and 1.1 versions in that the HOST header is enforced.

- Parameters: username (str) optionally specify the login user
 - · passcode (str) optionally specify the user password
 - · wait (bool) wait for the connection to complete before returning
 - headers (dict) a map of any additional headers to send with the subscription
 - · keyword_headers any additional headers to send with the subscription

Sending and receiving messages

Protocol12.send (destination, body, content_type=None, headers=None, **keyword_headers) Send a message to a destination in the messaging system (as per https://stomp.github.io/stomp-specification-1.2.html#SEND)

- Parameters: destination (str) the destination (such as a message queue for example '/queue/test' - or a message topic)
 - body the content of the message
 - content type (str) the MIME type of message
 - headers (dict) additional headers to send in the message frame
 - · keyword headers any additional headers the broker requires

Protocol12.subscribe (destination, id, ack='auto', headers=None, **keyword_headers)

Subscribe to a destination

- Parameters: destination (str) the topic or queue to subscribe to
 - id (str) the identifier to uniquely identify the subscription
 - ack (str) either auto, client or client-individual (see https://stomp.github.io/stomp-specification-1.2.html#SUBSCRIBE for more info)
 - headers (dict) a map of any additional headers to send with the subscription
 - keyword_headers any additional headers to send with the subscription

Transactions

```
>>> conn.subscribe('/queue/test', id=5)
>>> txid = conn.begin()
>>> conn.send('/queue/test', 'test1', transaction=txid)
>>> conn.send('/queue/test', 'test2', transaction=txid)
>>> conn.send('/queue/test', 'test3', transaction=txid)
>>> conn.commit(txid)
```

```
>>> conn.subscribe('/queue/test', id=6)
>>> txid = conn.begin()
>>> conn.send('/queue/test', 'test4', transaction=txid)
>>> conn.send('/queue/test', 'test5', transaction=txid)
>>> conn.abort(txid)
```

Disconnect

Stomp.py supports graceful shutdown/disconnections through a receipt parameter (automatically generated if you don't provide it). The connection is only dropped when the server sends back a response to that receipt:

```
>>> conn.disconnect()
on_send DISCONNECT {'receipt': '825a5cd6-9e3c-4a72-8051-72348a94f5ce'}
on_receipt {'receipt-id': '825a5cd6-9e3c-4a72-8051-72348a94f5ce'}
on_disconnected
```

http://jasonrbriggs.github.io/stomp.py/index.
 html