

Пример использования REST интерфейса на языке Python

Пример использования класса

```
from prostor-sms import Gate

sender = Gate('your_login', 'your_password');

print sender.credits() # узнаем текущий баланс
print sender.senders() # получаем список доступных подписей
print sender.send('71234567890', 'some text here', 'prostor-sms')
#отправляем sms
print sender.status(12345)
```

Класс Gate

```
import urllib2
import urllib
import base64
import sys

class Gate:
    """class for using prostor-sms service via GET requests"""

    __host = 'gate.prostor-sms.ru'

    def __init__(self, api_login, api_password):
        self.login = api_login
        self.password = api_password

    def __sendRequest(self, uri, params=None):
        url = self.__getUrl(uri, params)
        request = urllib2.Request(url)
        passman = urllib2.HTTPPasswordMgrWithDefaultRealm()
        passman.add_password(None, url, self.login, self.password)
        authhandler = urllib2.HTTPBasicAuthHandler(passman)
        try:
            opener = urllib2.build_opener(authhandler)
            data = opener.open(request).read()
            return data
        except IOError, e:
            return e.code

    def __getUrl(self, uri, params=None):
        url = "http://%s/%s/" % (self.getHost(), uri)
        paramStr = ''
        if params is not None:
            for k, v in params.items():
                if v is None:
                    del params[k]
            paramStr = urllib.urlencode(params)
        return "%s?%s" % (url, paramStr)

    def getHost(self):
        """Return current requests host """
        return self.__host

    def setHost(self, host):
        """Changing default requests host """
        self.__host = host
```

```

def send(self, phone, text, sender='prostor-sms',
        statusQueueName=None, scheduleTime=None, wapurl = None):
    """Sending sms """
    params = {'phone': phone,
              'text': text,
              'sender': sender,
              'statusQueueName': statusQueueName,
              'scheduleTime': scheduleTime,
              'wapurl': wapurl
             }
    return self.__sendRequest('send', params)

def status(self, id):
    """Retrieve sms status by it's id """
    params = {'id': id}
    return self.__sendRequest('status', params)

def statusQueue(self, statusQueueName, limit = 5):
    """Retrieve latest statuses from queue """
    params = {'statusQueueName': statusQueueName, 'limit': limit}
    return self.__sendRequest('statusQueue', params)

def credits(self):
    """Retrieve current credit balance """
    return self.__sendRequest('credits')

def senders(self):
    """Retrieve available signs """
    return self.__sendRequest('senders')

if __name__ == "__main__":
    print Gate.__doc__

```