

5. JULY 2013 BY PEDE

Testing django-rest-framework-API with TokenAuthentication

I've been struggling a bit using the Django-unittests to test my RESTful interface. In this post I assume, that [django-rest-framework](#) is already integrated in your Django-project and the token authentication is activated ([here's how](#)).

To give you some context: In my project exists a model called Bookmark and a simple ModelSerializer called BookmarkSerializer. What I want is to test the GET-functionalty on that BookmarkSerializer while token authentication is active. To achieve that, you have to create a user in the TestCase-class and get his token:

tests.py:

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```
from django.test import TestCase
from django.test.client import Client
from django.contrib.auth.models import User
from rest_framework.reverse import reverse
from rest_framework.authtoken.models import Token
import json

class ApiTest(TestCase):
    def setUp(self):
        self.user = User.objects.create_user('foo', 'foo@bar
        self.token = Token.objects.get(user=self.user).key
        self.c = Client()
```

Now I want to connect to my REST-API, so I added a test-method to the ApiTest-class. The tricky part was setting the right header. The HTTP-Request is implemented using Django's client.get()-function.

```
def test_authorization(self):
    header = {'HTTP_AUTHORIZATION': 'Token {}'.format(se
    response = self.client.get(reverse('bookmark-list'),
    self.assertEqual(response.status_code, 200, "REST to
```

Versions: Django 1.5 and django-rest-framework 2.3.6

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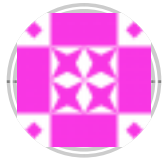
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One thought on “*Testing django-rest-framework-API with TokenAuthentication*”



4d43 | 14. February 2014 at 18:28

And what about `client.post()`?

After a whole day experimenting, I'm not able to get a successful response in a test using `client.post()` and posting some data with token authentication.

Thanks in advance!

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