
Django microservice request

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CONTENTS:

1 Quickstart	3
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Django application for make sync requests (REST API) between microservices or external APIs.

If you don't have any microservices yet, you can try to use [Django template](#)

QUICKSTART

1.1 Installation

1. Install the package

```
$ pip install django-microservice-request
```

2. Usage (Google Captcha example)

settings.py

```
GOOGLE_CAPTCHA_URL = "https://google.com/recaptcha/api/siteverify"
GOOGLE_CAPTCHA_SECRET_KEY = os.environ.get("GOOGLE_CAPTCHA_SECRET_KEY")
```

services.py

```
from django.conf import settings
from microservice_request.services import ConnectionService

class GoogleCaptchaService(ConnectionService):
    service = settings.GOOGLE_CAPTCHA_URL
    secret_key = settings.GOOGLE_CAPTCHA_SECRET_KEY

    def validate_captcha(self, captcha: str) -> dict:
        params = {
            "secret": self.secret_key,
            "response": captcha,
        }
        response = self.service_response(method="get", params=params)
        return response.data
```

serializers.py

```
from .services import GoogleCaptchaService

class CaptchaMixinSerializer(serializers.Serializer):
    captcha = serializers.CharField()

    def validate_captcha(self, captcha: str) -> str:
        service = GoogleCaptchaService()
        response_data = service.validate_captcha(captcha)
        if not response_data.get("success"):
```

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```
        raise serializers.ValidationError("Captcha validation error")
    return captcha

class LoginSerializer(CaptchaMixinSerializer):
    login = serializers.CharField()
    password = serializers.CharField()
```