

making request to API from within scrapy function

Asked 8 years, 6 months ago

Modified 8 years, 6 months ago

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I'm working with scrapy. I want to rotate proxies on a per request basis and get a proxy from an api I have that returns a single proxy. My plan is to make a request to the api, get a proxy, then use it to set the proxy based on :

0

`http://stackoverflow.com/questions/4710483/scrapy-and-proxies`

where I would assign it using:

`request.meta['proxy'] = 'your.proxy.address';`

I have the following:

```
class ContactSpider(Spider):
    name = "contact"

    def parse(self, response):

        for i in range(1,3,1):
            PR= Request('http://myproxyapi.com', headers= self.headers)
            newrequest= Request('http://sitetoscape.com', headers= self.headers)
            newrequest.meta['proxy'] = PR
```

but I'm not sure how to use The Scrapy Request object to perform the api call. I'm Not getting a response to the PR request while debugging. Do I need to do this in a separate function and use a yield statement or is my approach wrong?

proxy

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asked Sep 10, 2016 at 20:48



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1 Answer

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Do I need to do this in a separate function and use a yield statement or is my approach wrong?

1

Yes. Scrapy uses a callback model. You would need to:

1. Yield the PR objects back to the scrapy engine.

2. Parse the response of PR, and in its callback, yield newrequest .

A quick example:

```
def parse(self, response):
    for i in range(1,3,1):
        PR = Request(
            'http://myproxyapi.com',
            headers=self.headers,
            meta={'newrequest': Request('http://sitetoscape.com', headers=self.headers)},,
            callback=self.parse_PR
        )
        yield PR

def parse_PR(self, response):
    newrequest = response.meta['newrequest']
    proxy_data = get_data_from_response(PR)
    newrequest.meta['proxy'] = proxy_data
    yield newrequest
```

See also: <http://doc.scrapy.org/en/latest/topics/request-response.html#topics-request-response-ref-request-callback-arguments>

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answered Sep 10, 2016 at 22:53



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