



# How to get more than 1000 search results with API Github

Asked 1 year, 5 months ago    Active 1 month ago    Viewed 871 times

I want to list the most star Github repo that were created in the last 30 days, but to display more than 1000 search, I have this error message

2  
{ "message": "Only the first 1000 search results are available", "documentation\_url": "[https://developer.github.com/v3/search/](\"https://developer.github.com/v3/search/\")" }

 **do you have a solution for this problem?**  
 **thank you in advance**

[angular](#)   [github-api](#)

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asked May 15 '20 at 2:10

 [hicham kiki](#)  
**23**   2   5

3 Answers

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[zifan](#) is right. You can create a query per day for the last 30 days; or two queries per day (one each 12 hours); and so forth. The lower the interval, the more the query calls. At the same time, the more the repositories you catch.

Below an example in Python. It runs a `curl` call, so you can easily translate it to different languages.

```
import requests
from datetime import datetime, timedelta

URL = f'https://api.github.com/search/repositories?q=is:public created:SINCE..UNTIL '
HEADERS = {'Authorization': 'token <PASTE_HERE_GITHUB_ACCESS_TOKEN>'}

since = datetime.today() - timedelta(days=30) # Since 30 days ago
until = since + timedelta(days=1) # Until 29 days ago

while until < datetime.today():
    day_url = URL.replace('SINCE', since.strftime('%Y-%m-%dT%H:%M:%SZ')).replace('UNTIL', until.strftime('%Y-%m-%dT%H:%M:%SZ'))
    r = requests.get(day_url, headers=HEADERS)
    print(f'Repositories created between {since} and {until}: {r.json().get("total_count")}')

    # Update dates for the next search
    since = until
    until = since + timedelta(days=1)
```

Of course, the number of repositories might still be too large. In that case, try

1. to use pagination;
2. to reduce the interval SINCE..UNTIL, as well as the timedelta;
3. to add further filters in the query, for example: exclude archived and forked repositories, get repositories with a minimum number of stars only, and so forth.

Take a look [here](#) for an example. Here is a Python tool to collect repositories from Github: <https://github.com/radon-h2020/radon-repositories-collector>

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edited Sep 13 at 11:59

answered Dec 8 '20 at 11:17



[s.dallapalma](#)

923 1 8 28

I tried running your snippet but it returns None for each day. – [Sarvesh Bhatnagar](#) Sep 10 at 13:49

- 1 Thank you for mentioning this. Indeed, the api endpoint was wrong (search/repository instead of search/repositories). I edited the script and tested it. – [s.dallapalma](#) Sep 13 at 11:59



Run into the same issue. I think the only way work around is to split your query into small query which returns less than 1k result. (refer to [github search limit results](#))

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answered Aug 7 '20 at 3:18



[zifan yan](#)

**130** 2 9



as per git hub API v3 documentation, the GitHub Search API provides up to 1,000 results for each search. <https://developer.github.com/v3/search/>

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answered Jul 4 '20 at 19:25



[abRam](#)

**69** 8

