

# How to retrieve the list of all github repositories of a person?

Asked 7 years, 7 months ago   Active 14 days ago   Viewed 50k times

▲ We are working on a project where we need to display all the projects of a person in his repository on GitHub account.

58 Can anyone suggest, how can I display the names of all the git repositories of a particular person using his git-user name?

github

github-api



19

edited Jan 4 '12 at 12:34



nulltoken

44.6k

16

118

119

asked Jan 3 '12 at 14:17



user1127981

291

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## 9 Answers

▲ Use the [Github API](#):

33 /users/:user/repos

▼ This will give you all the user's public repositories. If you need to find out private repositories you will need to authenticate as the particular user. You can then use the REST call:

/user/repos

to find *all* the user's repos.

To do this in Python do something like:

```
USER='AUSER'
API_TOKEN='ATOKEN'
GIT_API_URL='https://api.github.com'

def get_api(url):
    try:
        request = urllib2.Request(GIT_API_URL + url)
```

```

base64string = base64.encodestring('%s/token:%s' % (USER,
API_TOKEN)).replace('\n', '')
request.add_header("Authorization", "Basic %s" % base64string)
result = urllib2.urlopen(request)
result.close()
except:
    print 'Failed to get api request from %s' % url

```

Where the url passed in to the function is the REST url as in the examples above. If you don't need to authenticate then simply modify the method to remove adding the Authorization header. You can then get any public api url using a simple GET request.

edited Jan 3 '12 at 14:30

answered Jan 3 '12 at 14:25



[BeRecursive](#)

5,740 1 18 39

18 This will only give the first "page" of the result set, which is set at 30 items by default. You can use `?per_page=100` to get the maximum ammount but if a user has more than a hundred repos you will need to follow several `next` URLs in the HTTP `Link` header send with the response. – [Potherca](#) May 22 '14 at 20:09

1 Thanks @Potherca, just what I was looking for! – [aknuds1](#) Jun 3 '16 at 9:28

You can use the [github api](#) for this. Hitting `https://api.github.com/users/USERNAME/repos` will list public repositories for the user *USERNAME*.

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edited Aug 5 at 8:24

answered Jan 3 '12 at 14:21



[zhirzh](#)

2,201 18 28



[Frederick Cheung](#)

74.7k 6 120 147

3 May want to use the more recent v3 API – [BeRecursive](#) Jan 3 '12 at 14:25

Try the following `curl` command to list the repositories:

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```

GHUSER=CHANGEME; curl "https://api.github.com/users/$GHUSER/repos?per_page=100" | grep -
o 'git@[^\"]*'

```

To list cloned URLs, run:

```
GHUSER=CHANGEME; curl -s "https://api.github.com/users/$GHUSER/repos?per_page=1000" |
grep -w clone_url | grep -o '[""]\+:\/\/\.\+.git'
```

If it's private, you need to add your API key ( `access_token=GITHUB_API_TOKEN` ), for example:

```
curl "https://api.github.com/users/$GHUSER/repos?access_token=$GITHUB_API_TOKEN" | grep
-w clone_url
```

If the user is organisation, use `/orgs/:username/repos` instead, to return all repositories.

To clone them, see: [How to clone all repos at once from GitHub?](#)

See also: [How to download GitHub Release from private repo using command line](#)

edited Mar 27 at 13:55

answered Oct 15 '15 at 22:56



**kenorb**

**79.7k** 34 447 459

5 This shows only the first 100 repositories, regardless of the `per_page=1000` . – [jm666](#) Aug 12 '16 at 7:07

1 Add the `-s` option to your `curl` command to get rid of those unsightly progress bars, as in `curl -s ...` – [xmnboy](#) Mar 11 '17 at 1:41

4 As @jm666 says, the maximum page size is 100. To see the 2nd page, do: `curl "api.github.com/users/$USER/repos?per_page=100&page=2"` – [rscohn2](#) Dec 4 '17 at 1:17

The private example won't work with the example, `/users/` "in plural" only returns public repos. You need to go with [api.github.com/user/repos](#) and add the token into the request to get private ones. – [LeandroCR](#) Feb 4 at 23:24

1 @kenorb mystery solved, the user is an org so `/orgs/:username/repos` return all the repos, `/users/...` return part of them, this is indeed weird. the username can be treated as both an user or an org. – [ios learner](#) Mar 2 at 1:31

If you have [jq](#) installed, you can use the following command to list all public repos of a user

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```
curl -s https://api.github.com/users/<username>/repos | jq '.[].html_url'
```

answered Nov 30 '18 at 8:11



▲ You probably need a jsonp solution:

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`https://api.github.com/users/[user name]/repos?callback=abc`

▼ If you use jQuery:

```
$.ajax({
  url: "https://api.github.com/users/blackmiaool/repos",
  jsonp: true,
  method: "GET",
  dataType: "json",
  success: function(res) {
    console.log(res)
  }
});
```

```
<script src="https://ajax.googleapis.com/ajax/libs/jquery/2.1.1/jquery.min.js"></script>
```

[Run code snippet](#)[Expand snippet](#)

edited Jun 10 '17 at 8:25

answered Jun 7 '17 at 13:50



blackmiaool

4,577 2 11 33

▲ The NPM module [repos](#) grabs the JSON for all public repos for some user or group. You can run this directly from `npm` so you don't need to install anything just pick an org or user ("W3C" here):

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```
$ npm run repos W3C W3Crepos.json
```

▼ This will create a file called W3Crepos.json. Grep is good enough to e.g. fetch the list of repos:

```
$ grep full_name W3Crepos.json
```

pros:

- Works with more than 100 repos (many answers to this question don't).
- Not much to type.

cons:

- Requires `npx` (or `npm` if you want to install it for real).

answered Jun 22 at 10:06



[ericP](#)

**648** 7 14

## ▲ Paging JSON

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The JS code below is meant to be used in a console.

```
username = "mathieucaroff";

w = window;
Promise.all(Array.from(Array(Math.ceil(1+184/30)).keys()).map(p =>
  fetch(`/api.github.com/users/{username}/repos?page=${p}`).then(r => r.json())
)).then(all => {
  w.jo = [].concat(...all);
  // w.jo.sort();
  // w.jof = w.jo.map(x => x.forks);
  // w.jow = w.jo.map(x => x.watchers)
}))
```

answered Dec 25 '18 at 23:38



[Mathieu CAROFF](#)

**358** 1 10

The answer is `/users/:user/repo`, but I have all the code that does this in an open-source project that you can use to stand up a web-



application on a server.

I stood up a GitHub project called [Git-Captain](#) that communicates with the GitHub API that lists all the repos.

It's an open-source web-application built with Node.js utilizing GitHub API to find, create, and delete a branch throughout numerous GitHub repositories.

It can be setup for organizations or a single user.

I have a step-by-step how to set it up as well in the read-me.

answered Jan 30 at 14:16



[ConfusedDeer](#)

1,781 4 30 51



Retrieve the list of all public repositories of a GitHub user using Python:

```
import requests
username = input("Enter the github username:")
request = requests.get('https://api.github.com/users/'+username+'/reposper_page=1000')
json = request.json()
for i in range(0,len(json)):
    print("Project Number:",i+1)
    print("Project Name:",json[i]['name'])
    print("Project URL:",json[i]['svn_url'],"\n")
```

[Reference](#)

edited Jul 30 at 20:14



[wolmi](#)

743 4 14

answered Jul 30 at 16:15



[Darshan Chheda](#)

26 6

