



The REST API is now versioned. For more information, see "About API versioning."

# Repositories

Use the REST API to manage repositories on GitHub.

# List organization repositories &

Works with <u>GitHub Apps</u>

Lists repositories for the specified organization.

**Note:** In order to see the security\_and\_analysis block for a repository you must have admin permissions for the repository or be an owner or security manager for the organization that owns the repository. For more information, see "Managing security managers in your organization."

# Parameters for "List organization repositories"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

## Path parameters

org string Required

The organization name. The name is not case sensitive.

## **Query parameters**

**type** string

Specifies the types of repositories you want returned. internal is not yet supported when a GitHub App calls this endpoint with an installation access token.

Can be one of: all, public, private, forks, sources, member, internal

sort string

The property to sort the results by.

Default: created

Can be one of: created , updated , pushed , full\_name

direction string

The order to sort by. Default: asc when using  $full\_name$ , otherwise desc.

Can be one of: asc , desc

per page integer

The number of results per page (max 100).

Default: 30

page integer

Page number of the results to fetch.

Default: 1

## HTTP response status codes for "List organization repositories"

Status code	Description
200	OK

## Code samples for "List organization repositories"



## Response

```
Example response Response schema

Status: 200

[{ "id": 1296269, "node_id": "MDEw0lJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "
"subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "
```

# Create an organization repository &

Works with <u>GitHub Apps</u>

Creates a new repository in the specified organization. The authenticated user must be a member of the organization.

## **OAuth scope requirements**

When using OAuth, authorizations must include:

- public\_repo scope or repo scope to create a public repository. Note: For GitHub AE, use repo scope to create an internal repository.
- repo scope to create a private repository

## Parameters for "Create an organization repository"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

org string Required

The organization name. The name is not case sensitive.

#### **Body parameters**

name string Required

The name of the repository.

description string

A short description of the repository.

homepage string

A URL with more information about the repository.

private boolean

Whether the repository is private.

Default: false

visibility string

The visibility of the repository. Note: For GitHub Enterprise Server, this endpoint will only list repositories available to all users on the enterprise. For more information, see "Creating an internal repository" in the GitHub Help documentation.

The visibility parameter overrides the private parameter when you use both parameters with the nebula-preview preview header.

Can be one of: public , private , internal

has\_issues boolean

Either true to enable issues for this repository or false to disable them.

Default: true

has\_projects boolean

Either true to enable projects for this repository or false to disable them. Note: If you're creating a repository in an organization that has disabled repository projects, the default is false, and if you pass true, the API returns an error.

Default: true

has wiki boolean

Either true to enable the wiki for this repository or false to disable it.

Default: true

has\_downloads boolean

Whether downloads are enabled.

Default: true

#### is\_template boolean

Either true to make this repo available as a template repository or false to prevent it.

Default: false

#### team id integer

The id of the team that will be granted access to this repository. This is only valid when creating a repository in an organization.

#### auto init boolean

Pass true to create an initial commit with empty README.

Default: false

#### gitignore template string

Desired language or platform <u>.gitignore template</u> to apply. Use the name of the template without the extension. For example, "Haskell".

## license\_template string

Choose an <u>open source license template</u> that best suits your needs, and then use the <u>license keyword</u> as the <u>license\_template</u> string. For example, "mit" or "mpl-2.0".

#### allow\_squash\_merge boolean

Either true to allow squash-merging pull requests, or false to prevent squash-merging.

Default: true

#### allow\_merge\_commit boolean

Either true to allow merging pull requests with a merge commit, or false to prevent merging pull requests with merge commits.

Default: true

## allow\_rebase\_merge boolean

Either true to allow rebase-merging pull requests, or false to prevent rebase-merging.

Default: true

#### allow\_auto\_merge boolean

Either true to allow auto-merge on pull requests, or false to disallow auto-merge.

Default: false

#### delete\_branch\_on\_merge boolean

Either true to allow automatically deleting head branches when pull requests are merged, or false to prevent automatic deletion.

The authenticated user must be an organization owner to set this property to true.

Default: false

# use\_squash\_pr\_title\_as\_default boolean

Either true to allow squash-merge commits to use pull request title, or false to use commit message. \*\*This property has been deprecated. Please use squash\_merge\_commit\_title instead.

Default: false

## squash\_merge\_commit\_title string

The default value for a squash merge commit title:

- PR\_TITLE default to the pull request's title.
- COMMIT\_OR\_PR\_TITLE default to the commit's title (if only one commit) or the pull request's title (when more than one commit).

Can be one of: PR TITLE. COMMIT OR PR TITLE

## squash\_merge\_commit\_message string

The default value for a squash merge commit message:

- PR\_BODY default to the pull request's body.
- COMMIT\_MESSAGES default to the branch's commit messages.
- BLANK default to a blank commit message.

Can be one of: PR\_BODY , COMMIT\_MESSAGES , BLANK

#### merge\_commit\_title string

The default value for a merge commit title.

- PR TITLE default to the pull request's title.
- MERGE MESSAGE default to the classic title for a merge message (e.g., Merge pull request #123 from branch-name).

Can be one of: PR\_TITLE, MERGE\_MESSAGE

## merge\_commit\_message string

The default value for a merge commit message.

- PR\_TITLE default to the pull request's title.
- PR\_BODY default to the pull request's body.
- BLANK default to a blank commit message.

Can be one of: PR\_BODY, PR\_TITLE, BLANK

# HTTP response status codes for "Create an organization repository"

Status code	Description
201	Created
403	Forbidden
422	Validation failed, or the endpoint has been spammed.

#### Code samples for "Create an organization repository"



## Response

```
Example response Response schema

Status: 201

{ "id": 1296269, "node_id": "MDEwOlJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}",
```

# Get a repository ∂

## Works with GitHub Apps

The parent and source objects are present when the repository is a fork. parent is the repository this repository was forked from, source is the ultimate source for the network.

**Note:** In order to see the security\_and\_analysis block for a repository you must have admin permissions for the repository or be an owner or security manager for the organization that owns the repository. For more information, see "Managing security managers in your organization."

## Parameters for "Get a repository"

#### Headers

accept string

Setting to application/vnd.github+json is recommended.

## Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the <code>.git</code> extension. The name is not case sensitive.

## HTTP response status codes for "Get a repository"

Status code	Description
200	ОК
301	Moved permanently
403	Forbidden
404	Resource not found

## Code samples for "Get a repository"



#### **Default response**

```
Example response Response schema

Status: 200

{ "id": 1296269, "node_id": "MDEwOlJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "organizations_url": "https://HOSTNAME/users/octoc
```

# **Update a repository** *∂*

Works with <u>GitHub Apps</u>

Note: To edit a repository's topics, use the Replace all repository topics endpoint.

## Parameters for "Update a repository"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

See preview notices

## Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## **Body parameters**

name string

The name of the repository.

description string

A short description of the repository.

homepage string

A URL with more information about the repository.

private boolean

Either true to make the repository private or false to make it public. Default: false.

Note: You will get a 422 error if the organization restricts changing repository visibility to organization owners and a non-owner tries

to change the value of private.

Default: false

## visibility string

The visibility of the repository.

Can be one of: public , private , internal

## security\_and\_analysis object or null

Specify which security and analysis features to enable or disable for the repository.

To use this parameter, you must have admin permissions for the repository or be an owner or security manager for the organization that owns the repository. For more information, see "Managing security managers in your organization."

For example, to enable GitHub Advanced Security, use this data in the body of the PATCH request: { "security\_and\_analysis": {"advanced\_security": { "status": "enabled" } } }.

You can check which security and analysis features are currently enabled by using a GET /repos/{owner}/{repo} request.

#### ▶ Properties of security\_and\_analysis

## has\_issues boolean

Either true to enable issues for this repository or false to disable them.

Default: true

has\_projects boolean

Either true to enable projects for this repository or false to disable them. Note: If you're creating a repository in an organization that has disabled repository projects, the default is false, and if you pass true, the API returns an error.

Default: true

#### has\_wiki boolean

Either true to enable the wiki for this repository or false to disable it.

Default: true

#### is\_template boolean

Either true to make this repo available as a template repository or false to prevent it.

Default: false

# default\_branch string

Updates the default branch for this repository.

#### allow\_squash\_merge boolean

Either true to allow squash-merging pull requests, or false to prevent squash-merging.

Default: true

## allow\_merge\_commit boolean

Either true to allow merging pull requests with a merge commit, or false to prevent merging pull requests with merge commits.

Default: true

## allow\_rebase\_merge boolean

Either true to allow rebase-merging pull requests, or false to prevent rebase-merging.

Default: true

#### delete\_branch\_on\_merge boolean

Either true to allow automatically deleting head branches when pull requests are merged, or false to prevent automatic deletion.

Default: false

allow undate branch boolean

#### accow\_upuace\_branch boolean

Either true to always allow a pull request head branch that is behind its base branch to be updated even if it is not required to be up to date before merging, or false otherwise.

Default: false

## use\_squash\_pr\_title\_as\_default boolean

Either true to allow squash-merge commits to use pull request title, or false to use commit message. \*\*This property has been deprecated. Please use squash\_merge\_commit\_title instead.

Default: false

## squash\_merge\_commit\_title string

The default value for a squash merge commit title:

- PR\_TITLE default to the pull request's title.
- COMMIT\_OR\_PR\_TITLE default to the commit's title (if only one commit) or the pull request's title (when more than one commit).

Can be one of: PR\_TITLE, COMMIT\_OR\_PR\_TITLE

#### squash\_merge\_commit\_message string

The default value for a squash merge commit message:

- PR BODY default to the pull request's body.
- COMMIT\_MESSAGES default to the branch's commit messages.
- BLANK default to a blank commit message.

Can be one of: PR\_BODY, COMMIT\_MESSAGES, BLANK

## merge\_commit\_title string

The default value for a merge commit title.

- PR\_TITLE default to the pull request's title.
- MERGE\_MESSAGE default to the classic title for a merge message (e.g., Merge pull request #123 from branch-name).

Can be one of: PR\_TITLE, MERGE\_MESSAGE

## merge\_commit\_message string

The default value for a merge commit message.

- PR\_TITLE default to the pull request's title.
- PR\_BODY default to the pull request's body.
- BLANK default to a blank commit message.

Can be one of: PR\_BODY , PR\_TITLE , BLANK

#### archived boolean

Whether to archive this repository. false will unarchive a previously archived repository.

Default: false

## allow\_forking boolean

Either true to allow private forks, or false to prevent private forks.

Default: false

#### web\_commit\_signoff\_required boolean

Either true to require contributors to sign off on web-based commits, or false to not require contributors to sign off on web-based commits.

Default: false

Status code	Description
200	OK
307	Temporary Redirect
403	Forbidden
404	Resource not found
422	Validation failed, or the endpoint has been spammed.

## Code samples for "Update a repository"

```
CURL JavaScript GitHub CLI

curl -L \ -X PATCH \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ http(s)://HOSTNAME/api/v3/repos/OWNER/REPO \ -d '{"name":"Hello-World","description":"This is your first repository","homepage":"https://github.com","private":true,"has_issues":true,"has_projects":true,"has_wiki":true}'
```

#### Response

```
Example response Response schema

Status: 200

{ "id": 1296269, "node_id": "MDEwOlJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "organizations_url": "https://HOSTNAME/users/octocat/orgs",
```

# Preview notices for "Update a repository"

You can set the visibility of a repository using the new visibility parameter in the Repositories API, and get a repository's visibility with a new response key. For more information, see the blog post.

To access repository visibility during the preview period, you must provide a custom media type in the Accept header:

application/vnd.github.nebula-preview+json

The is\_template and template\_repository keys are currently available for developer to preview. See <u>Create a repository using a template</u> to learn how to create template repositories. To access these new response keys during the preview period, you must provide a custom <u>media type</u> in the Accept header:

application/vnd.github.baptiste-preview+json

# **Delete a repository** &

## Works with <u>GitHub Apps</u>

Deleting a repository requires admin access. If OAuth is used, the delete repo scope is required.

If an organization owner has configured the organization to prevent members from deleting organization-owned repositories, you will get a 403 Forbidden response.

## Parameters for "Delete a repository"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## HTTP response status codes for "Delete a repository"

Status code	Description
204	No Content
307	Temporary Redirect
403	If an organization owner has configured the organization to prevent members from deleting organization-owned repositories, a member will get this response:
404	Resource not found

# Code samples for "Delete a repository"



#### Response

Status: 204

# Check if automated security fixes are enabled for a repository &

# Works with GitHub Apps

Shows whether automated security fixes are enabled, disabled or paused for a repository. The authenticated user must have admin read access to the repository. For more information, see "Configuring automated security fixes".

## Parameters for "Check if automated security fixes are enabled for a repository"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### **Path parameters**

owner string Required

The account owner of the repository. The name is not case sensitive.

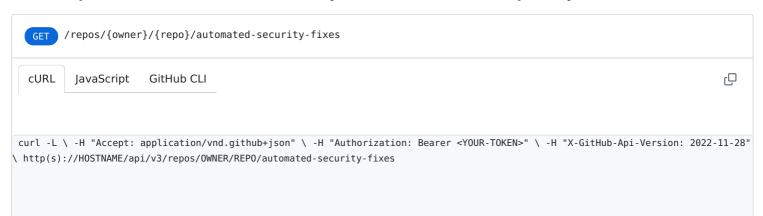
repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

# HTTP response status codes for "Check if automated security fixes are enabled for a repository"

Status code	Description
200	Response if dependabot is enabled
404	Not Found if dependabot is not enabled for the repository

## Code samples for "Check if automated security fixes are enabled for a repository"



## Response if dependabot is enabled

Example response	Response schema
Status: 200	
{ "enabled": true, "paused": false }	

# List CODEOWNERS errors @

# Works with <u>GitHub Apps</u>

List any syntax errors that are detected in the CODEOWNERS file.

For more information about the correct CODEOWNERS syntax, see "About code owners."

#### Parameters for "List CODEOWNERS errors"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

## **Path parameters**

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## **Query parameters**

ref string

A branch, tag or commit name used to determine which version of the CODEOWNERS file to use. Default: the repository's default branch (e.g. main)

# HTTP response status codes for "List CODEOWNERS errors"

Status code	Description
200	OK
404	Resource not found

# Code samples for "List CODEOWNERS errors"



## Response

```
Example response Response schema

Status: 200

{ "errors": [ { "line": 3, "column": 1, "kind": "Invalid pattern", "source": "***/*.rb @monalisa", "suggestion": "Did you mean `**/*.rb`?", "message": "Invalid pattern on line 3: Did you mean `**/*.rb`?\n\n ***/*.rb @monalisa\n ^", "path": ".github/CODEOWNERS" }, { "line": 7, "column": 7, "kind": "Invalid owner", "source": "*.txt docs@", "suggestion": null, "message": "Invalid owner on line 7:\n\n *.txt docs@\n ^", "path": ".github/CODEOWNERS" } ] }
```

# **List repository contributors** $\mathscr O$

## Works with GitHub Apps

Lists contributors to the specified repository and sorts them by the number of commits per contributor in descending order. This endpoint may return information that is a few hours old because the GitHub REST API caches contributor data to improve performance.

GitHub identifies contributors by author email address. This endpoint groups contribution counts by GitHub user, which includes all associated email addresses. To improve performance, only the first 500 author email addresses in the repository link to GitHub users. The rest will appear as anonymous contributors without associated GitHub user information.

## Parameters for "List repository contributors"

## **Headers**

accept string
Setting to application/vnd.github+json is recommended.

## **Path parameters**

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

#### **Query parameters**

**anon** string

Set to 1 or true to include anonymous contributors in results.

Sec to (1) or (1) at (0) to merade disorymous contributors in results.

per\_page integer

The number of results per page (max 100).

Default: 30

page integer

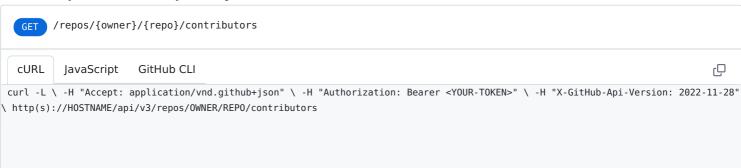
Page number of the results to fetch.

Default: 1

## HTTP response status codes for "List repository contributors"

Status code	Description
200	If repository contains content
204	Response if repository is empty
403	Forbidden
404	Resource not found

## Code samples for "List repository contributors"



#### If repository contains content

Example response Response schema

Status: 200

[ { "login": "octocat", "id": 1, "node\_id": "MDQ6VXNlcjE=", "avatar\_url": "https://github.com/images/error/octocat\_happy.gif", "gravatar\_id": "", "url": "https://HOSTNAME/users/octocat", "html\_url": "https://github.com/octocat", "followers\_url": "https://HOSTNAME/users/octocat/followers", "gists\_url": "https://HOSTNAME/users/octocat/following{/other\_user}", "gists\_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions\_url": "https://HOSTNAME/users/octocat/orgs", "repos\_url": "https://HOSTNAME/users/octocat/repos", "events\_url": "https://HOSTNAME/users/octocat/events{/privacy}",

# Create a repository dispatch event *∂*

## Works with GitHub Apps

You can use this endpoint to trigger a webhook event called repository\_dispatch when you want activity that happens outside of GitHub Enterprise Server to trigger a GitHub Actions workflow or GitHub App webhook. You must configure your GitHub Actions workflow or GitHub App to run when the repository\_dispatch event occurs. For an example repository\_dispatch webhook payload, see "RepositoryDispatchEvent."

The client\_payload parameter is available for any extra information that your workflow might need. This parameter is a JSON payload that will be passed on when the webhook event is dispatched. For example, the client\_payload can include a message that a user would like to send using a GitHub Actions workflow. Or the client\_payload can be used as a test to debug your workflow.

This endpoint requires write access to the repository by providing either:

- Personal access tokens with repo scope. For more information, see "Creating a personal access token for the command line" in the GitHub Help documentation.
- GitHub Apps with both metadata: read and contents: read&write permissions.

This input example shows how you can use the client\_payload as a test to debug your workflow.

## Parameters for "Create a repository dispatch event"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

# **Body parameters**

event\_type string Required

{"unit":false,"integration":true}}'

A custom webhook event name. Must be 100 characters or fewer.

client\_payload object

JSON payload with extra information about the webhook event that your action or workflow may use. The maximum number of toplevel properties is 10.

## HTTP response status codes for "Create a repository dispatch event"

Status code	Description
204	No Content
422	Validation failed, or the endpoint has been spammed.

## Code samples for "Create a repository dispatch event"



## Response

Status: 204

# List repository languages &

Works with <u>GitHub Apps</u>

Lists languages for the specified repository. The value shown for each language is the number of bytes of code written in that language.

## Parameters for "List repository languages"

## **Headers**

accept string

Setting to application/vnd.github+json is recommended.

## Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the <a href="extension">.git</a> extension. The name is not case sensitive.

# HTTP response status codes for "List repository languages"

Status code	Description
200	ОК

# Code samples for "List repository languages"



#### Response

```
Example response Response schema

Status: 200

{ "C": 78769, "Python": 7769 }
```

# List repository cache replication status &

Works with <u>GitHub Apps</u>

Lists the status of each repository cache replica.

# Parameters for "List repository cache replication status"

#### Headers

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## **Query parameters**

per\_page integer

The number of results per page (max 100).

Default: 30

page integer

Page number of the results to fetch.

Default: 1

# HTTP response status codes for "List repository cache replication status"

Status code	Description
200	Status information for cache replicas
403	Forbidden
404	Resource not found

## Code samples for "List repository cache replication status"



## Status information for cache replicas

```
Status: 200

[ { "host": "host-1", "location": "berlin", "git": [ { "sync_status": "in_sync" }, { "last_sync": "2022-01-10T19:33:52Z" } ] }, { "host": "host-2", "location": "chicago", "git": [ { "sync_status": "offline" }, { "last_sync": "2022-01-10T19:34:12Z" } ] } ]
```

# **List repository tags** *₽*

Works with <u>GitHub Apps</u>

## Parameters for "List repository tags"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

## Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the <code>.git</code> extension. The name is not case sensitive.

## **Query parameters**

per\_page integer

The number of results per page (max 100).

Default: 30

page integerPage number of the results to fetch.Default: 1

# HTTP response status codes for "List repository tags"

Status code	Description
200	ОК

## Code samples for "List repository tags"



## Response

```
Example response Response schema

Status: 200

[ { "name": "v0.1", "commit": { "sha": "c5b97d5ae6c19d5c5df71a34c7fbeeda2479ccbc", "url": "https://HOSTNAME/repos/octocat/Hello-World/commits/c5b97d5ae6c19d5c5df71a34c7fbeeda2479ccbc" }, "zipball_url": "https://github.com/octocat/Hello-World/zipball/v0.1", "tarball_url": "https://github.com/octocat/Hello-World/tarball/v0.1", "node_id": "MDQ6VXNlcjE=" } ]
```

# **List repository teams** *∂*

Works with <u>GitHub Apps</u>

Lists the teams that have access to the specified repository and that are also visible to the authenticated user.

For a public repository, a team is listed only if that team added the public repository explicitly.

Personal access tokens require the following scopes:

- public repo to call this endpoint on a public repository
- repo to call this endpoint on a private repository (this scope also includes public repositories)

This endpoint is not compatible with fine-grained personal access tokens.

## Parameters for "List repository teams"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

## Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## **Query parameters**

per\_page integer

The number of results per page (max 100).

Default: 30

**page** integer

Page number of the results to fetch.

Default: 1

## HTTP response status codes for "List repository teams"

Status code	Description
200	OK
404	Resource not found

## Code samples for "List repository teams"



## Response

Status: 200

[ { "id": 1, "node\_id": "MDQ6VGVhbTE=", "url": "https://HOSTNAME/teams/1", "html\_url":
"https://github.com/orgs/github/teams/justice-league", "name": "Justice League", "slug": "justice-league", "description": "A great team.". "privacy": "closed". "notification setting": "notifications enabled". "permission": "admin". "members url":

"https://HOSTNAME/teams/1/members{/member}", "repositories\_url": "https://HOSTNAME/teams/1/repos", "parent": null } ]

# **Get all repository topics** *∂*

Works with GitHub Apps

## Parameters for "Get all repository topics"

#### **Headers**

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## **Query parameters**

page integer

Page number of the results to fetch.

Default: 1

per\_page integer

The number of results per page (max 100).

Default: 30

## HTTP response status codes for "Get all repository topics"

Status code	Description
200	OK
404	Resource not found

## Code samples for "Get all repository topics"



#### Response

```
Example response Response schema

Status: 200

{ "names": [ "octocat", "atom", "electron", "api" ] }
```

# Replace all repository topics &

Works with <u>GitHub Apps</u>

# Parameters for "Replace all repository topics"

## **Headers**

```
accept string
Setting to application/vnd.github+json is recommended.
```

# Path parameters

```
owner string Required
```

The account owner of the repository. The name is not case sensitive.

```
repo string Required
```

The name of the repository without the .git extension. The name is not case sensitive.

## **Body parameters**

```
names array of strings Required
```

An array of topics to add to the repository. Pass one or more topics to *replace* the set of existing topics. Send an empty array ([]) to clear all topics from the repository. **Note:** Topic names cannot contain uppercase letters.

## HTTP response status codes for "Replace all repository topics"

Status code	Description
200	OK
404	Resource not found

## Code samples for "Replace all repository topics"



## Response

```
Example response Response schema

Status: 200

{ "names": [ "octocat", "atom", "electron", "api" ] }
```

# Transfer a repository &

## Works with GitHub Apps

A transfer request will need to be accepted by the new owner when transferring a personal repository to another user. The response will contain the original owner, and the transfer will continue asynchronously. For more details on the requirements to transfer personal and organization-owned repositories, see about repository transfers. You must use a personal access token (classic) or an OAuth token for this endpoint. An installation access token or a fine-grained personal access token cannot be used because they are only granted access to a single account.

## Parameters for "Transfer a repository"

#### **Headers**

```
accept string
Setting to application/vnd.github+json is recommended.
```

#### **Path parameters**

```
owner string Required
```

The account owner of the repository. The name is not case sensitive.

```
repo string Required
```

The name of the repository without the .git extension. The name is not case sensitive.

## **Body parameters**

new\_owner string Required

The username or organization name the repository will be transferred to.

new\_name string

The new name to be given to the repository.

team\_ids array of integers

ID of the team or teams to add to the repository. Teams can only be added to organization-owned repositories.

# HTTP response status codes for "Transfer a repository"

Status code Description

202 Accepted

# Code samples for "Transfer a repository"



## Response

```
Example response Response schema

Status: 202

{ "id": 1296269, "node_id": "MDEwOlJlc69zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/followers", "following_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/followers{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "
```

# Check if vulnerability alerts are enabled for a repository &

Shows whether dependency alerts are enabled or disabled for a repository. The authenticated user must have admin read access to the repository. For more information, see "About security alerts for vulnerable dependencies".

Parameters for "Check if vulnerability alerts are enabled for a repository"

#### Headers

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

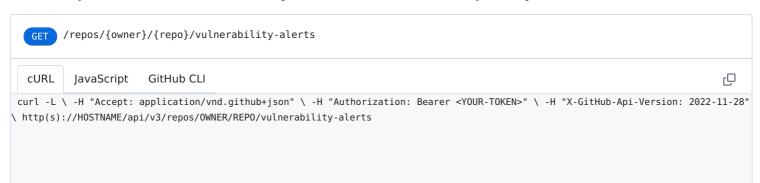
repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## HTTP response status codes for "Check if vulnerability alerts are enabled for a repository"

Status code	Description
204	Response if repository is enabled with vulnerability alerts
404	Not Found if repository is not enabled with vulnerability alerts

## Code samples for "Check if vulnerability alerts are enabled for a repository"



## Response if repository is enabled with vulnerability alerts

Status: 204

# Enable vulnerability alerts &

Works with <u>GitHub Apps</u>

Enables dependency alerts and the dependency graph for a repository. The authenticated user must have admin access to the repository. For more information, see "About security alerts for vulnerable dependencies".

# Parameters for "Enable vulnerability alerts"

#### Headers

accept string

Setting to application/vnd.github+json is recommended.

## Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## HTTP response status codes for "Enable vulnerability alerts"

Status code	Description
204	No Content

# Code samples for "Enable vulnerability alerts"



# Response

Status: 204

# Disable vulnerability alerts &

Works with <u>GitHub Apps</u>

Disables dependency alerts for a repository. The authenticated user must have admin access to the repository. For more information, see "About security alerts for vulnerable dependencies".

## Parameters for "Disable vulnerability alerts"

### Headers

accept string

Setting to application/vnd.github+json is recommended.

#### Path parameters

owner string Required

The account owner of the repository. The name is not case sensitive.

repo string Required

The name of the repository without the .git extension. The name is not case sensitive.

## HTTP response status codes for "Disable vulnerability alerts"

Status code	Description
204	No Content

## Code samples for "Disable vulnerability alerts"



#### Response

Status: 204

# Create a repository using a template &

Creates a new repository using a repository template. Use the template\_owner and template\_repo route parameters to specify the repository to use as the template. If the repository is not public, the authenticated user must own or be a member of an organization that owns the repository. To check if a repository is available to use as a template, get the repository's information using the Get a repository endpoint and check that the is template key is true.

## **OAuth scope requirements**

When using **OAuth**, authorizations must include:

- public\_repo scope or repo scope to create a public repository. Note: For GitHub AE, use repo scope to create an internal repository.
- repo scope to create a private repository

## Parameters for "Create a repository using a template"

# Headers

accept string

Setting to application/vnd.github+json is recommended.

See preview notice

#### Path parameters

template\_owner string Required

The account owner of the template repository. The name is not case sensitive.

template\_repo string Required

The name of the template repository without the <code>.git</code> extension. The name is not case sensitive.

#### **Body parameters**

owner string

The organization or person who will own the new repository. To create a new repository in an organization, the authenticated user must be a member of the specified organization.

name string Required

The name of the new repository.

description string

A short description of the new repository.

## include\_all\_branches boolean

Set to true to include the directory structure and files from all branches in the template repository, and not just the default branch.

Default: false.

Default: false

private boolean

Either true to create a new private repository or false to create a new public one.

Default: false

## HTTP response status codes for "Create a repository using a template"

Status code Description

201 Created

## Code samples for "Create a repository using a template"

POST /repos/{template\_owner}/{template\_repo}/generate

cURL JavaScript GitHub CLI

curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ http(s)://HOSTNAME/api/v3/repos/TEMPLATE\_OWNER/TEMPLATE\_REPO/generate \ -d '{"owner":"octocat", "name": "Hello-

ф

World", "description": "This is your first repository", "include\_all\_branches": false, "private": false}'

## Response

Example response Response schema

Status: 201

```
{ "id": 1296269, "node_id": "MDEw0lJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/followers", "following_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/gists{/gist_id}", "starred_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs",
```

## Preview notice for "Create a repository using a template"

Creating and using repository templates is currently available for developers to preview. To access this new endpoint during the preview period, you must provide a custom <u>media type</u> in the <u>Accept</u> header:

application/vnd.github.baptiste-preview+json

# List public repositories &

Works with GitHub Apps

Lists all public repositories in the order that they were created.

#### Note:

- For GitHub Enterprise Server, this endpoint will only list repositories available to all users on the enterprise.
- Pagination is powered exclusively by the since parameter. Use the <u>Link header</u> to get the URL for the next page of repositories.

## Parameters for "List public repositories"

# Headers

accept string

Setting to application/vnd.github+json is recommended.

## **Query parameters**

**since** integer

A repository ID. Only return repositories with an ID greater than this ID.

visibility string

Specifies the types of repositories to return. This endpoint will only list repositories available to all users on the enterprise.

Default: public

Can be one of: all, public

## HTTP response status codes for "List public repositories"

Status code	Description
200	OK
304	Not modified

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....

422

Validation failed, or the endpoint has been spammed.

# Code samples for "List public repositories"



#### Response

```
Example response Response schema

Status: 200

[ { "id": 1296269, "node_id": "MDEwOlJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/followers", "following_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/gists{/gist_id}", "starred_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "organizations_url": "https://HOSTNAME/users/octocat
```

# List repositories for the authenticated user &

Lists repositories that the authenticated user has explicit permission (:read, :write, or :admin) to access.

The authenticated user has explicit permission to access repositories they own, repositories where they are a collaborator, and repositories that they can access through an organization membership.

## Parameters for "List repositories for the authenticated user"

## Headers

accept string

Setting to application/vnd.github+json is recommended.

## **Query parameters**

```
visibility string
```

Limit results to repositories with the specified visibility.

Default: all

Can be one of: all , public , private

#### affiliation string

Comma-separated list of values. Can include:

- owner: Repositories that are owned by the authenticated user.
- collaborator: Repositories that the user has been added to as a collaborator.

• organization\_member: Repositories that the user has access to through being a member of an organization. This includes every repository on every team that the user is on.

Default: owner, collaborator, organization member

type string

Limit results to repositories of the specified type. Will cause a 422 error if used in the same request as visibility or affiliation.

Default: all

Can be one of: all, owner, public, private, member

**sort** string

The property to sort the results by.

Default: full\_name

Can be one of: created , updated , pushed , full\_name

direction string

The order to sort by. Default: asc when using full\_name, otherwise desc.

Can be one of: asc , desc

per\_page integer

The number of results per page (max 100).

Default: 30

page integer

Page number of the results to fetch.

Default: 1

**since** string

Only show repositories updated after the given time. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ.

before string

Only show repositories updated before the given time. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ.

## HTTP response status codes for "List repositories for the authenticated user"

Status code	Description
200	OK
304	Not modified
401	Requires authentication
403	Forbidden
422	Validation failed, or the endpoint has been spammed.

## Code samples for "List repositories for the authenticated user"



#### **Default response**

```
Example response Response schema

Status: 200

[ { "id": 1296269, "node_id": "MDEwOlJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://HOSTNAME/users/octocat/followers", "following_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/gists{/gist_id}", "starred_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "organizations_url": "https://HOSTNAME/
```

# Create a repository for the authenticated user &

Creates a new repository for the authenticated user.

## **OAuth scope requirements**

When using **OAuth**, authorizations must include:

- public\_repo scope or repo scope to create a public repository. Note: For GitHub AE, use repo scope to create an internal repository.
- repo scope to create a private repository.

## Parameters for "Create a repository for the authenticated user"

#### **Headers**

accept string
Setting to application/vnd.github+json is recommended.

## **Body parameters**

name string Required

The name of the repository.

description string

A short description of the repository.

homepage string

A URL with more information about the repository.

private boolean

Whether the repository is private.

Default: false

has issues boolean

Whether issues are enabled.

Default: true

has\_projects boolean

Whether projects are enabled.

Default: true

has\_wiki boolean

Whether the wiki is enabled.

Default: true

has\_discussions boolean

Whether discussions are enabled.

Default: false

team\_id integer

The id of the team that will be granted access to this repository. This is only valid when creating a repository in an organization.

auto\_init boolean

Whether the repository is initialized with a minimal README.

Default: false

gitignore\_template string

The desired language or platform to apply to the .gitignore.

license\_template string

The license keyword of the open source license for this repository.

allow\_squash\_merge boolean

Whether to allow squash merges for pull requests.

Default: true

allow\_merge\_commit boolean

Whether to allow merge commits for pull requests.

Default: true

allow\_rebase\_merge boolean

Whether to allow rebase merges for pull requests.

Default: true

allow\_auto\_merge boolean

Whether to allow Auto-merge to be used on pull requests.

Default: false

delete\_branch\_on\_merge boolean

Whether to delete head branches when pull requests are merged

Default: false

squash\_merge\_commit\_title string

The default value for a squash merge commit title:

• PR\_TITLE - default to the pull request's title.

• COMMIT\_OR\_PR\_TITLE - default to the commit's title (if only one commit) or the pull request's title (when more than one commit).

Can be one of: PR\_TITLE, COMMIT\_OR\_PR\_TITLE

## squash\_merge\_commit\_message string

The default value for a squash merge commit message:

- PR\_BODY default to the pull request's body.
- COMMIT MESSAGES default to the branch's commit messages.
- BLANK default to a blank commit message.

Can be one of: PR\_BODY, COMMIT\_MESSAGES, BLANK

## merge\_commit\_title string

The default value for a merge commit title.

- PR\_TITLE default to the pull request's title.
- MERGE\_MESSAGE default to the classic title for a merge message (e.g., Merge pull request #123 from branch-name).

Can be one of: PR\_TITLE , MERGE\_MESSAGE

## merge\_commit\_message string

The default value for a merge commit message.

- PR\_TITLE default to the pull request's title.
- PR\_BODY default to the pull request's body.
- BLANK default to a blank commit message.

Can be one of: PR\_BODY , PR\_TITLE , BLANK

## has\_downloads boolean

Whether downloads are enabled.

Default: true

## is\_template boolean

Whether this repository acts as a template that can be used to generate new repositories.

Default: false

# HTTP response status codes for "Create a repository for the authenticated user"

Status code	Description
201	Created
304	Not modified
400	Bad Request
401	Requires authentication
403	Forbidden
404	Resource not found
422	Validation failed, or the endpoint has been spammed.

## Code samples for "Create a repository for the authenticated user"

```
cURL JavaScript GitHub CLI

curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ http(s)://HOSTNAME/api/v3/user/repos \ -d '{"name":"Hello-World","description":"This is your first repo!","homepage":"https://github.com","private":false,"is_template":true}'
```

#### Response

```
Example response Response schema

Status: 201

{ "id": 1296269, "node_id": "MDEwOlJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/followers", "gists_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/gists{/gist_id}", "starred_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "organizations_url": "https://HOSTNAME/users/octocat/orgs", "
```

# List repositories for a user @

Works with <u>GitHub Apps</u>

Lists public repositories for the specified user. Note: For GitHub AE, this endpoint will list internal repositories for the specified user.

## Parameters for "List repositories for a user"

#### Headers

accept string
Setting to application/vnd.github+json is recommended.

## Path parameters

username string Required

The handle for the GitHub user account.

## **Query parameters**

type string

Limit results to repositories of the specified type.

Default: owner

Can be one of: all, owner, member

**sort** string

The property to sort the results by.

Default: full name

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Can be one of: created , updated , pushed , full\_name

direction string

The order to sort by. Default: asc when using full\_name, otherwise desc.

Can be one of: asc . desc

per\_page integer

The number of results per page (max 100).

Default: 30

page integer

Page number of the results to fetch.

Default: 1

## HTTP response status codes for "List repositories for a user"

Status code Description

200 OK

## Code samples for "List repositories for a user"

GET /users/{username}/repos

cURL JavaScript GitHub CLI

curl -L \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28"

ſŪ

\ http(s)://HOSTNAME/api/v3/users/USERNAME/repos

#### Response

Example response Response schema

Status: 200

[ { "id": 1296269, "node\_id": "MDEw0lJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full\_name": "octocat/Hello-World", "owner":

{ "login": "octocat", "id": 1, "node\_id": "MDQ6VXNlcjE=", "avatar\_url": "https://github.com/images/error/octocat\_happy.gif",

"gravatar\_id": "", "url": "https://HOSTNAME/users/octocat", "html\_url": "https://github.com/octocat", "followers\_url": "https://HOSTNAME/users/octocat/followers", "following\_url": "https://HOSTNAME/users/octocat/following{/other\_user}", "gists\_url":

"https://HOSTNAME/users/octocat/gists{/gist\_id}", "starred\_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}",

"subscriptions\_url": "https://HOSTNAME/users/octocat/subscriptions", "organizations\_url": "https://HOSTNAME/users/octocat/orgs",

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