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

GitHub App installations

Use the REST API to get information about GitHub App installations and perform actions within those installations.

About GitHub App installations 🔗

A GitHub App installation refers to any user or organization account that has installed the app. For information on how to authenticate as an installation and limit access to specific repositories, see "Authenticating as a GitHub App installation."

To list all GitHub App installations for an organization, see "Organizations."

List repositories accessible to the app installation 🔗

✅ Works with GitHub Apps

List repositories that an app installation can access.

You must use an installation access token to access this endpoint.

Parameters for "List repositories accessible to the app installation"

Headers

---

accept string

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

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 repositories accessible to the app installation"

Status code	Description

200	OK
304	Not modified
401	Requires authentication
403	Forbidden

Code samples for "List repositories accessible to the app installation"

`GET` `/installation/repositories`

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"
\ http(s)://HOSTNAME/api/v3/installation/repositories
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 1, "repositories": [ { "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":
```

Revoke an installation access token 🔗

✅ Works with [GitHub Apps](#)

Revokes the installation token you're using to authenticate as an installation and access this endpoint.

Once an installation token is revoked, the token is invalidated and cannot be used. Other endpoints that require the revoked installation token must have a new installation token to work. You can create a new token using the "[Create an installation access token for an app](#)" endpoint.

You must use an [installation access token](#) to access this endpoint.

HTTP response status codes for "Revoke an installation access token"

Status code	Description
204	No Content

Code samples for "Revoke an installation access token"

`DELETE` `/installation/token`

cURL   JavaScript   GitHub CLI

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

```
curl -L \ -X DELETE \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version:
2022-11-28" \ http(s)://HOSTNAME/api/v3/installation/token
```

Response

```
Status: 204
```

List app installations accessible to the user access token 🔗

Lists installations of your GitHub App that the authenticated user has explicit permission (`:read` , `:write` , or `:admin`)
to access.

You must use a [user access token](#), created for a user who has authorized your GitHub App, to access this endpoint.

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.

You can find the permissions for the installation under the `permissions` key.

Parameters for "List app installations accessible to the user access token"

Headers

accept string

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

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 app installations accessible to the user access token"

Status code	Description
`200`	You can find the permissions for the installation under the `permissions` key.
`304`	Not modified
`401`	Requires authentication
`403`	Forbidden

Code samples for "List app installations accessible to the user access token"

GET `/user/installations`

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"
\ http(s)://HOSTNAME/api/v3/user/installations
```

You can find the permissions for the installation under the `permissions` key.

Example response | Response schema

Status: 200

```
{ "total_count": 2, "installations": [ { "id": 1, "account": { "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", "repos_url":
```

List repositories accessible to the user access token 🔗

List repositories that the authenticated user has explicit permission (`:read` , `:write` , or `:admin`) to access for an installation.

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.

You must use a [user access token](#), created for a user who has authorized your GitHub App, to access this endpoint.

The access the user has to each repository is included in the hash under the `permissions` key.

Parameters for "List repositories accessible to the user access token"

Headers

`accept` string

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

Path parameters

`installation_id` integer Required

The unique identifier of the installation.

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 repositories accessible to the user access token"

Status code	Description
`200`	The access the user has to each repository is included in the hash under the `permissions` key.
`304`	Not modified
`403`	Forbidden
`404`	Resource not found

Code samples for "List repositories accessible to the user access token"

GET `/user/installations/{installation_id}/repositories`

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"
\ http(s)://HOSTNAME/api/v3/user/installations/1/repositories
```

The access the user has to each repository is included in the hash under the `permissions` key.

Example response   Response schema

Status: 200

```
{ "total_count": 1, "repositories": [ { "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":
```

Add a repository to an app installation ⚭

Add a single repository to an installation. The authenticated user must have admin access to the repository.

You must use a personal access token (which you can create via the command line or Basic Authentication) to access this endpoint.

Parameters for "Add a repository to an app installation"

Headers

`accept`　string

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

Path parameters

`installation_id`　integer　Required

The unique identifier of the installation.

`repository_id`　integer　Required

The unique identifier of the repository.

HTTP response status codes for "Add a repository to an app installation"

Status code	Description
204	No Content
304	Not modified
403	Forbidden
404	Resource not found

Code samples for "Add a repository to an app installation"

PUT　`/user/installations/{installation_id}/repositories/{repository_id}`

cURL　JavaScript　GitHub CLI

```
curl -L \ -X PUT \ -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/installations/1/repositories/REPOSITORY_ID
```

Response

```
Status: 204
```

Remove a repository from an app installation 🔗

Remove a single repository from an installation. The authenticated user must have admin access to the repository. The installation must have the `repository_selection` of `selected`.

You must use a personal access token (which you can create via the command line or Basic Authentication) to access this endpoint.

Parameters for "Remove a repository from an app installation"

Headers

accept string

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

Path parameters

installation_id integer   Required

The unique identifier of the installation.

repository_id integer   Required

The unique identifier of the repository.

HTTP response status codes for "Remove a repository from an app installation"

Status code	Description
204	No Content
304	Not modified
403	Forbidden
404	Resource not found
422	Returned when the application is installed on `all` repositories in the organization, or if this request would remove the last repository that the application has access to in the organization.

Code samples for "Remove a repository from an app installation"

<kbd>DELETE</kbd> /user/installations/{installation_id}/repositories/{repository_id}

cURL   JavaScript   GitHub CLI

```
curl -L \ -X DELETE \ -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/installations/1/repositories/REPOSITORY_ID
```

Response

```
Status: 204
```