

The REST API is now versioned. For more information, see "[About API versioning](#)."

User migrations

Use the REST API to review, backup, or migrate your user data stored on GitHub Enterprise Cloud.com.

About user migrations

These endpoints are only available to authenticated account owners. For more information, see "[Authenticating to the REST API](#)".

You can use these endpoints to review, backup, or migrate your user data stored on GitHub.com. For a list of migration data that you can download, see "[Download a user migration archive](#)."

To download an archive, you'll need to start a user migration first. Once the status of the migration is `exported`, you can download the migration.

Once you've created a migration archive, it will be available to download for seven days. But, you can delete the user migration archive sooner if you'd like. You can unlock your repository when the migration is `exported` to begin using your repository again or delete the repository if you no longer need the source data.

List user migrations

Lists all migrations a user has started.

Parameters for "List user migrations"

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 user migrations"

Status code	Description
200	OK
304	Not modified
401	Requires authentication
403	Forbidden

Code samples for "List user migrations"

GET

/user/migrations

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" \ https://api.github.com/user/migrations
```

Response

Example response

Response schema

Status: 200

```
[ { "id": 79, "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://api.github.com/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://api.github.com/users/octocat/followers", "following_url": "https://api.github.com/users/octocat/following{other_user}", "gists_url": "https://api.github.com/users/octocat/gists{gist_id}", "starred_url": "https://api.github.com/users/octocat/starred{/owner}/{repo}", "subscriptions_url": "https://api.github.com/users/octocat/subscriptions", "organizations_url": "https://api.github.com/users/octocat/orgs",
```

Start a user migration

Initiates the generation of a user migration archive.

Parameters for "Start a user migration"

Headers

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

Body parameters

lock_repositories boolean
Lock the repositories being migrated at the start of the migration

exclude_metadata boolean

Indicates whether metadata should be excluded and only git source should be included for the migration.

exclude_git_data boolean

Indicates whether the repository git data should be excluded from the migration.

exclude_attachments boolean

Do not include attachments in the migration

exclude_releases boolean

Do not include releases in the migration

exclude_owner_projects boolean

Indicates whether projects owned by the organization or users should be excluded.

org_metadata_only boolean

Indicates whether this should only include organization metadata (repositories array should be empty and will ignore other flags).

Default: false

exclude array of strings

Exclude attributes from the API response to improve performance Supported values are: repositories

repositories array of strings Required

HTTP response status codes for "Start a user migration"

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

Code samples for "Start a user migration"

POST

/user/migrations

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" \ https://api.github.com/user/migrations \ -d '{"repositories":["octocat/Hello-World"],"lock_repositories":true}'
```

Response

Example response

Response schema

```
Status: 201

{ "id": 79, "node_id": "MDEyOk9yZ2FuaXphdGlvbjE=", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=",
"avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url":
"https://api.github.com/users/octocat", "html_url": "https://github.com/octocat", "followers_url":
"https://api.github.com/users/octocat/followers", "following_url": "https://api.github.com/users/octocat/following{/other_user}",
"gists_url": "https://api.github.com/users/octocat/gists{/gist_id}", "starred_url":
"https://api.github.com/users/octocat/starred{/owner}/{repo}", "subscriptions_url":
```

Get a user migration status [↗](#)

Fetches a single user migration. The response includes the `state` of the migration, which can be one of the following values:

- `pending` - the migration hasn't started yet.
- `exporting` - the migration is in progress.
- `exported` - the migration finished successfully.
- `failed` - the migration failed.

Once the migration has been `exported` you can [download the migration archive](#).

Parameters for "Get a user migration status"

Headers

`accept` string

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

Path parameters

`migration_id` integer **Required**

The unique identifier of the migration.

Query parameters

`exclude` array

HTTP response status codes for "Get a user migration status"

Status code	Description
200	OK
304	Not modified
401	Requires authentication
403	Forbidden
404	Resource not found

Code samples for "Get a user migration status"

Code samples for **Get a user migration status**

GET

/user/migrations/{migration_id}

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" \ https://api.github.com/user/migrations/MIGRATION_ID
```

Response

Example response

Response schema

Status: 200

```
{ "id": 79, "node_id": "MDEy0k9yZ2FuaXphdGlvbjE=", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://api.github.com/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://api.github.com/users/octocat/followers", "following_url": "https://api.github.com/users/octocat/following{/other_user}", "gists_url": "https://api.github.com/users/octocat/gists{/gist_id}", "starred_url": "https://api.github.com/users/octocat/starred{/owner}/{/repo}", "subscriptions_url":
```

Download a user migration archive [↗](#)

Fetches the URL to download the migration archive as a `tar.gz` file. Depending on the resources your repository uses, the migration archive can contain JSON files with data for these objects:

- attachments
- bases
- commit_comments
- issue_comments
- issue_events
- issues
- milestones
- organizations
- projects
- protected_branches
- pull_request_reviews
- pull_requests
- releases
- repositories
- review_comments
- schema
- users

The archive will also contain an `attachments` directory that includes all attachment files uploaded to GitHub.com and a `repositories` directory that contains the repository's Git data.

Parameters for "Download a user migration archive"

Headers

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

Path parameters

migration_id integer **Required**
The unique identifier of the migration.

HTTP response status codes for "Download a user migration archive"

Status code	Description
302	Found
304	Not modified
401	Requires authentication
403	Forbidden

Delete a user migration archive

Deletes a previous migration archive. Downloadable migration archives are automatically deleted after seven days. Migration metadata, which is returned in the [List user migrations](#) and [Get a user migration status](#) endpoints, will continue to be available even after an archive is deleted.

Parameters for "Delete a user migration archive"

Headers

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

Path parameters

migration_id integer **Required**
The unique identifier of the migration.

HTTP response status codes for "Delete a user migration archive"

Status code	Description
204	No Content

304	Not modified
401	Requires authentication
403	Forbidden
404	Resource not found

Code samples for "Delete a user migration archive"

DELETE

/user/migrations/{migration_id}/archive

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" \ https://api.github.com/user/migrations/MIGRATION_ID/archive
```

Response

Status: 204

Unlock a user repository

Unlocks a repository. You can lock repositories when you [start a user migration](#). Once the migration is complete you can unlock each repository to begin using it again or [delete the repository](#) if you no longer need the source data. Returns a status of `404 Not Found` if the repository is not locked.

Parameters for "Unlock a user repository"

Headers

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

Path parameters

`migration_id` integer **Required**
The unique identifier of the migration.

`repo_name` string **Required**
repo_name parameter

HTTP response status codes for "Unlock a user repository"

Status code	Description
204	No Content

204	No Content
304	Not modified
401	Requires authentication
403	Forbidden
404	Resource not found

Code samples for "Unlock a user repository"

DELETE

/user/migrations/{migration_id}/repos/{repo_name}/lock

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" \ https://api.github.com/user/migrations/MIGRATION_ID/repos/REPO_NAME/lock
```

Response

Status: 204

List repositories for a user migration

Lists all the repositories for this user migration.

Parameters for "List repositories for a user migration"

Headers

accept string

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

Path parameters

migration_id integer **Required**

The unique identifier of the migration.

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 for a user migration"

Status code	Description
200	OK
404	Resource not found

Code samples for "List repositories for a user migration"

GET

/user/migrations/{migration_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" \ https://api.github.com/user/migrations/MIGRATION_ID/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://api.github.com/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://api.github.com/users/octocat/followers", "following_url": "https://api.github.com/users/octocat/following{/other_user}", "gists_url": "https://api.github.com/users/octocat/gists{/gist_id}", "starred_url": "https://api.github.com/users/octocat/starred{/owner}/{/repo}", "subscriptions_url":

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