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

GitHub Actions Variables

Use the REST API to interact with variables in GitHub Actions.

About variables in GitHub Actions

You can use the REST API to create, update, delete, and retrieve information about variables that can be used in workflows in GitHub Actions. Variables allow you to store non-sensitive information, such as a username, in your repository, repository environments, or organization. For more information, see "Variables" in the GitHub Actions documentation.

List organization variables

✓ Works with GitHub Apps

Lists all organization variables. You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:read` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "List organization variables"

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

`per_page` integer	

The number of results per page (max 30).

Default: `10`

`page` integer	

Page number of the results to fetch.

Default: `1`

HTTP response status codes for "List organization variables"

Status code	Description
`200`	OK

Code samples for "List organization variables"

GET	/orgs/{org}/actions/variables

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/orgs/ORG/actions/variables
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 3, "variables": [ { "name": "USERNAME", "value": "octocat", "created_at": "2019-08-10T14:59:22Z", "updated_at":
"2020-01-10T14:59:22Z", "visibility": "private" }, { "name": "ACTIONS_RUNNER_DEBUG", "value": true, "created_at": "2019-08-
10T14:59:22Z", "updated_at": "2020-01-10T14:59:22Z", "visibility": "all" }, { "name": "ADMIN_EMAIL", "value": "octocat@github.com",
"created_at": "2019-08-10T14:59:22Z", "updated_at": "2020-01-10T14:59:22Z", "visibility": "selected", "selected_repositories_url":
"https://HOSTNAME/orgs/octo-org/actions/variables/ADMIN_EMAIL/repositories" } ] }
```

Create an organization variable 🔗

✅ Works with [GitHub Apps](#)

Creates an organization variable that you can reference in a GitHub Actions workflow.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:write` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Create an organization variable"

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 variable.

`value` string   Required

The value of the variable.

`visibility` string   Required

The type of repositories in the organization that can access the variable. `selected` means only the repositories specified by `selected_repository_ids` can access the variable.

Can be one of: `all` , `private` , `selected`

`selected_repository_ids` array of integers

An array of repository ids that can access the organization variable. You can only provide a list of repository ids when the `visibility` is set to `selected` .

HTTP response status codes for "Create an organization variable"

Status code	Description
`201`	Response when creating a variable

Code samples for "Create an organization variable"

POST /orgs/{org}/actions/variables

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/orgs/ORG/actions/variables \ -d
'{"name":"USERNAME","value":"octocat","visibility":"selected","selected_repository_ids":[1296269,1296280]}'
```

Response when creating a variable

Example response   Response schema

```
Status: 201
```

Get an organization variable 🔗

✓ Works with [GitHub Apps](#)

Gets a specific variable in an organization.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is

private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:read` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Get an organization variable"

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.

`name` string Required

The name of the variable.

HTTP response status codes for "Get an organization variable"

Status code	Description
`200`	OK

Code samples for "Get an organization variable"

GET `/orgs/{org}/actions/variables/{name}`

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/orgs/ORG/actions/variables/NAME
```

Response

Example response Response schema

Status: 200

```
{ "name": "USERNAME", "value": "octocat", "created_at": "2019-08-10T14:59:22Z", "updated_at": "2020-01-10T14:59:22Z", "visibility":
"selected", "selected_repositories_url": "https://HOSTNAME/orgs/octo-org/actions/variables/USERNAME/repositories" }
```

Update an organization variable 🔗

✅ Works with [GitHub Apps](#)

Updates an organization variable that you can reference in a GitHub Actions workflow.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:write` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Update an organization variable"

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.

`name` string   Required

The name of the variable.

Body parameters

`name` string

The name of the variable.

`value` string

The value of the variable.

`visibility` string

The type of repositories in the organization that can access the variable. `selected` means only the repositories specified by `selected_repository_ids` can access the variable.

Can be one of: `all` , `private` , `selected`

`selected_repository_ids` array of integers

An array of repository ids that can access the organization variable. You can only provide a list of repository ids when the `visibility` is set to `selected` .

HTTP response status codes for "Update an organization variable"

Status code	Description
`204`	No Content

Code samples for "Update an organization variable"

PATCH `/orgs/{org}/actions/variables/{name}`

| 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/orgs/ORG/actions/variables/NAME \ -d
'{"name":"USERNAME","value":"octocat","visibility":"selected","selected_repository_ids":[1296269,1296280]}'
```

Response

```
Status: 204
```

Delete an organization variable 🔗

✅ Works with [GitHub Apps](#)

Deletes an organization variable using the variable name.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:write` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Delete an organization variable"

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.

`name` string Required

The name of the variable.

HTTP response status codes for "Delete an organization variable"

Status code	Description
`204`	No Content

Code samples for "Delete an organization variable"

DELETE /orgs/{org}/actions/variables/{name}

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/orgs/ORG/actions/variables/NAME
```

Response

```
Status: 204
```

List selected repositories for an organization variable 🔗

✅ Works with [GitHub Apps](#)

Lists all repositories that can access an organization variable that is available to selected repositories.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:read` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "List selected repositories for an organization variable"

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.

name string   Required

The name of the variable.

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 "List selected repositories for an organization variable"

Status code	Description
200	OK
409	Response when the visibility of the variable is not set to `selected`

Code samples for "List selected repositories for an organization variable"

`GET` /orgs/{org}/actions/variables/{name}/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/orgs/ORG/actions/variables/NAME/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":
```

Set selected repositories for an organization variable 🔗

✔ Works with [GitHub Apps](#)

Replaces all repositories for an organization variable that is available to selected repositories. Organization variables that are available to selected repositories have their `visibility` field set to `selected`.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:write` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Set selected repositories for an organization variable"

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.

The organization name. The name is not case sensitive.

name   string   Required

The name of the variable.

Body parameters

`selected_repository_ids`   array of integers   Required

The IDs of the repositories that can access the organization variable.

HTTP response status codes for "Set selected repositories for an organization variable"

Status code	Description
`204`	No Content
`409`	Response when the visibility of the variable is not set to `selected`

Code samples for "Set selected repositories for an organization variable"

> `PUT` /orgs/{org}/actions/variables/{name}/repositories

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/orgs/ORG/actions/variables/NAME/repositories \ -d '{"selected_repository_ids":[64780797]}'
```

Response

```
Status: 204
```

Add selected repository to an organization variable 🔗

✔ Works with [GitHub Apps](#)

Adds a repository to an organization variable that is available to selected repositories. Organization variables that are available to selected repositories have their `visibility` field set to `selected`.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:write` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Add selected repository to an organization variable"

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.

`name`   string   Required

The name of the variable.

`repository_id`   integer   Required

HTTP response status codes for "Add selected repository to an organization variable"

Status code	Description
204	No Content
409	Response when the visibility of the variable is not set to `selected`

Code samples for "Add selected repository to an organization variable"

`PUT` `/orgs/{org}/actions/variables/{name}/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/orgs/ORG/actions/variables/NAME/repositories/REPOSITORY_ID
```

Response

```
Status: 204
```

Remove selected repository from an organization variable 🔗

✔ Works with [GitHub Apps](#)

Removes a repository from an organization variable that is available to selected repositories. Organization variables that are available to selected repositories have their `visibility` field set to `selected` .

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `organization_actions_variables:write` organization permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Remove selected repository from an organization variable"

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.

`name` string	Required

The name of the variable.

`repository_id` integer	Required

HTTP response status codes for "Remove selected repository from an organization variable"

Status code	Description
204	No Content
409	Response when the visibility of the variable is not set to `selected`

Code samples for "Remove selected repository from an organization variable"

`DELETE` /orgs/{org}/actions/variables/{name}/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/orgs/ORG/actions/variables/NAME/repositories/REPOSITORY_ID
```

Response

```
Status: 204
```

List repository organization variables 🔗

✅ Works with [GitHub Apps](#)

Lists all organiation variables shared with a repository.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `actions_variables:read` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "List repository organization variables"

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 30).

Default: `10`

page integer

Page number of the results to fetch.

Default: `1`

HTTP response status codes for "List repository organization variables"

Status code	Description
`200`	OK

Code samples for "List repository organization variables"

GET `/repos/{owner}/{repo}/actions/organization-variables`

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/repos/OWNER/REPO/actions/organization-variables
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 2, "variables": [ { "name": "USERNAME", "value": "octocat", "created_at": "2019-08-10T14:59:22Z", "updated_at":
"2020-01-10T14:59:22Z" }, { "name": "EMAIL", "value": "octocat@github.com", "created_at": "2020-01-10T10:59:22Z", "updated_at":
"2020-01-11T11:59:22Z" } ] }
```

List repository variables 🔗

✅ Works with [GitHub Apps](#)

Lists all repository variables. You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `actions_variables:read` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "List repository variables"

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 30).

Default: `10`

`page` integer

Page number of the results to fetch.

Default: `1`

HTTP response status codes for "List repository variables"

Status code	Description
`200`	OK

Code samples for "List repository variables"

GET `/repos/{owner}/{repo}/actions/variables`

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/repos/OWNER/REPO/actions/variables
```

Response

Example response   Response schema

```
Status: 200
```

```
{ "total_count": 2, "variables": [ { "name": "USERNAME", "value": "octocat", "created_at": "2019-08-10T14:59:22Z", "updated_at":
"2020-01-10T14:59:22Z" }, { "name": "EMAIL", "value": "octocat@github.com", "created_at": "2020-01-10T10:59:22Z", "updated_at":
"2020-01-11T11:59:22Z" } ] }
```

Create a repository variable 🔗

✔ Works with GitHub Apps

Creates a repository variable that you can reference in a GitHub Actions workflow.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `actions_variables:write` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Create a repository variable"

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

`name`   string   Required

The name of the variable.

`value`   string   Required

The value of the variable.

HTTP response status codes for "Create a repository variable"

Status code	Description
`201`	Created

Code samples for "Create a repository variable"

`POST` /repos/{owner}/{repo}/actions/variables

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/OWNER/REPO/actions/variables \ -d '{"name":"USERNAME","value":"octocat"}'
```

Response

Example response   Response schema

```
Status: 201
```

Get a repository variable 🔗

✓ Works with GitHub Apps

Gets a specific variable in a repository.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the
`actions_variables:read` repository permission to use this endpoint. Authenticated users must have collaborator access
to a repository to create, update, or read variables.

Parameters for "Get a repository variable"

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.

name string   Required

The name of the variable.

HTTP response status codes for "Get a repository variable"

Status code	Description
`200`	OK

Code samples for "Get a repository variable"

`GET` `/repos/{owner}/{repo}/actions/variables/{name}`

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/repos/OWNER/REPO/actions/variables/NAME
```

Response

Example response   Response schema

Status: 200

```
{ "name": "USERNAME", "value": "octocat", "created_at": "2021-08-10T14:59:22Z", "updated_at": "2022-01-10T14:59:22Z" }
```

Update a repository variable 🔗

✅ Works with GitHub Apps

Updates a repository variable that you can reference in a GitHub Actions workflow.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `actions_variables:write` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Update a repository variable"

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.

name string Required

The name of the variable.

Body parameters

name string

The name of the variable.

value string

The value of the variable.

HTTP response status codes for "Update a repository variable"

Status code	Description
204	No Content

Code samples for "Update a repository variable"

`PATCH` `/repos/{owner}/{repo}/actions/variables/{name}`

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/actions/variables/NAME \ -d '{"name":"USERNAME","value":"octocat"}'
```

Response

```
Status: 204
```

Delete a repository variable 🔗

✓ Works with [GitHub Apps](#)

Deletes a repository variable using the variable name.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `actions_variables:write` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Delete a repository variable"

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.

name string   Required

The name of the variable.

HTTP response status codes for "Delete a repository variable"

Status code	Description
`204`	No Content

Code samples for "Delete a repository variable"

```
DELETE /repos/{owner}/{repo}/actions/variables/{name}
```

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/repos/OWNER/REPO/actions/variables/NAME
```

Response

```
Status: 204
```

List environment variables 🔗

✓ Works with GitHub Apps

Lists all environment variables.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `environments:read` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "List environment variables"

Headers

accept string

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

Path parameters

repository_id integer Required

The unique identifier of the repository.

environment_name string Required

The name of the environment.

Query parameters

per_page integer

The number of results per page (max 30).

Default: `10`

page integer

Page number of the results to fetch.

Default: `1`

HTTP response status codes for "List environment variables"

Status code	Description
`200`	OK

Code samples for "List environment variables"

> **GET** /repositories/{repository_id}/environments/{environment_name}/variables

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/repositories/REPOSITORY_ID/environments/ENVIRONMENT_NAME/variables
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 2, "variables": [ { "name": "USERNAME", "value": "octocat", "created_at": "2019-08-10T14:59:22Z", "updated_at":
"2020-01-10T14:59:22Z" }, { "name": "EMAIL", "value": "octocat@github.com", "created_at": "2020-01-10T10:59:22Z", "updated_at":
"2020-01-11T11:59:22Z" } ] }
```

Create an environment variable 🔗

✅ Works with [GitHub Apps](#)

Create an environment variable that you can reference in a GitHub Actions workflow.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `environment:write` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Create an environment variable"

Headers

`accept` string

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

Path parameters

`repository_id` integer Required

The unique identifier of the repository.

`environment_name` string Required

The name of the environment.

Body parameters

`name` string Required

The name of the variable.

`value` string Required

The value of the variable.

HTTP response status codes for "Create an environment variable"

Status code	Description
`201`	Created

Code samples for "Create an environment variable"

| POST | /repositories/{repository_id}/environments/{environment_name}/variables |

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/repositories/REPOSITORY_ID/environments/ENVIRONMENT_NAME/variables \ -d
'{"name":"USERNAME","value":"octocat"}'
```

Response

Example response   Response schema

```
Status: 201
```

Get an environment variable 🔗

✅ Works with [GitHub Apps](#)

Gets a specific variable in an environment.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `environments:read` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Get an environment variable"

Headers

`accept`   string

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

Path parameters

`repository_id`   integer   Required

The unique identifier of the repository.

`environment_name`   string   Required

The name of the environment.

`name`   string   Required

The name of the variable.

HTTP response status codes for "Get an environment variable"

Status code	Description
200	OK

Code samples for "Get an environment variable"

GET   `/repositories/{repository_id}/environments/{environment_name}/variables/{name}`

```
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/repositories/REPOSITORY_ID/environments/ENVIRONMENT_NAME/variables/NAME
```

Response

Example response | Response schema

Status: 200

```
{ "name": "USERNAME", "value": "octocat", "created_at": "2021-08-10T14:59:22Z", "updated_at": "2022-01-10T14:59:22Z" }
```

Update an environment variable 🔗

✅ Works with [GitHub Apps](GitHub%20Apps)

Updates an environment variable that you can reference in a GitHub Actions workflow.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `environment:write` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Update an environment variable"

Headers

`accept` string

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

Path parameters

`repository_id` integer   Required

The unique identifier of the repository.

`name` string   Required

The name of the variable.

`environment_name` string   Required

The name of the environment.

Body parameters

`name` string

The name of the variable.

---

value string

The value of the variable.

HTTP response status codes for "Update an environment variable"

Status code	Description
204	No Content

Code samples for "Update an environment variable"

PATCH `/repositories/{repository_id}/environments/{environment_name}/variables/{name}`

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/repositories/REPOSITORY_ID/environments/ENVIRONMENT_NAME/variables/NAME \ -d
'{"name":"USERNAME","value":"octocat"}'
```

Response

```
Status: 204
```

Delete an environment variable 🔗

✅ Works with GitHub Apps

Deletes an environment variable using the variable name.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `environment:write` repository permission to use this endpoint. Authenticated users must have collaborator access to a repository to create, update, or read variables.

Parameters for "Delete an environment variable"

Headers

---

accept string

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

Path parameters

---

repository_id integer Required

The unique identifier of the repository.

---

name string Required

The name of the variable.

---

environment_name string *Required*

The name of the environment.

HTTP response status codes for "Delete an environment variable"

Status code	Description
`204`	No Content

Code samples for "Delete an environment variable"

DELETE `/repositories/{repository_id}/environments/{environment_name}/variables/{name}`

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/repositories/REPOSITORY_ID/environments/ENVIRONMENT_NAME/variables/NAME
```

Response

```
Status: 204
```