

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

Deployment environments

Use the REST API to create, configure, and delete deployment environments.

About deployment environments

For more information about environments, see "[Using environments for deployment](#)." To manage environment secrets, see "[Actions](#)."

Environments, environment secrets, and deployment protection rules are available in public repositories for all current GitHub plans. They are not available on legacy plans, such as Bronze, Silver, or Gold. For access to environments, environment secrets, and deployment branches in private or internal repositories, you must use GitHub Pro, GitHub Team, or GitHub Enterprise.

List environments

✔ Works with [GitHub Apps](#)

Lists the environments for a repository.

Anyone with read access to the repository can use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `actions:read` permission to use this endpoint.

Parameters for "List environments"

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).

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 environments"

Status code	Description
200	OK

Code samples for "List environments"

GET

/repos/{owner}/{repo}/environments

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/repos/OWNER/REPO/environments
```

Response

Example response

Response schema

Status: 200

```
{ "total_count": 1, "environments": [ { "id": 161088068, "node_id": "MDExOEVudmlyb25tZW50MTYxMDg4MDY4", "name": "staging", "url": "https://api.github.com/repos/github/hello-world/environments/staging", "html_url": "https://github.com/github/hello-world/deployments/activity_log?environments_filter=staging", "created_at": "2020-11-23T22:00:40Z", "updated_at": "2020-11-23T22:00:40Z", "protection_rules": [ { "id": 3736, "node_id": "MDQ6R2F0ZTM3MzY=", "type": "wait_timer", "wait_timer": 30 }, { "id": 3755, "node_id": "MDQ6R2F0ZTM3NTU=", "prevent_self_review": false, "type": "required_reviewers", "reviewers": [ { "type": "User", "reviewer": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url":
```

Get an environment

Works with [GitHub Apps](#)

Note: To get information about name patterns that branches must match in order to deploy to this environment, see "[Get a deployment branch policy](#)."

Anyone with read access to the repository can use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `actions:read` permission to use this endpoint.

Parameters for "Get an environment"

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.

environment_name string **Required**

The name of the environment.

HTTP response status codes for "Get an environment"

Status code

Description

200	OK
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Code samples for "Get an environment"

GET `/repos/{owner}/{repo}/environments/{environment_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" \ https://api.github.com/repos/OWNER/REPO/environments/ENVIRONMENT_NAME
```

Response

Example response

Response schema

Status: 200

```
{ "id": 161088068, "node_id": "MDExOktVudmlyb25tZW50MTYxMDg4MDY4", "name": "staging", "url": "https://api.github.com/repos/github/hello-world/environments/staging", "html_url": "https://github.com/github/hello-world/deployments/activity_log?environments_filter=staging", "created_at": "2020-11-23T22:00:40Z", "updated_at": "2020-11-23T22:00:40Z", "protection_rules": [ { "id": 3736, "node_id": "MDQ6R2F0ZTM3MzY=", "type": "wait_timer", "wait_timer": 30 }, { "id": 3755, "node_id": "MDQ6R2F0ZTM3NTU=", "prevent_self_review": false, "type": "required_reviewers", "reviewers": [ { "type": "User", "reviewer": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url":
```

Create or update an environment

✔ Works with [GitHub Apps](#)

Create or update an environment with protection rules, such as required reviewers. For more information about environment protection rules, see "[Environments](#)."

Note: To create or update name patterns that branches must match in order to deploy to this environment, see

"[Deployment branch policies](#)."

Note: To create or update secrets for an environment, see "[GitHub Actions secrets](#)."

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration:write` permission for the repository to use this endpoint.

Parameters for "Create or update an environment"

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.

`environment_name` string **Required**
The name of the environment.

Body parameters

`wait_timer` integer
The amount of time to delay a job after the job is initially triggered. The time (in minutes) must be an integer between 0 and 43,200 (30 days).

`prevent_self_review` boolean
Whether or not a user who created the job is prevented from approving their own job.

`reviewers` array of objects or null
The people or teams that may review jobs that reference the environment. You can list up to six users or teams as reviewers. The reviewers must have at least read access to the repository. Only one of the required reviewers needs to approve the job for it to proceed.

► Properties of `reviewers`

`deployment_branch_policy` object or null
The type of deployment branch policy for this environment. To allow all branches to deploy, set to `null`.

► Properties of `deployment_branch_policy`

HTTP response status codes for "Create or update an environment"

Status code	Description
200	OK
422	Validation error when the environment name is invalid or when

`protected_branches` and `custom_branch_policies` in `deployment_branch_policy` are set to the same value

Code samples for "Create or update an environment"

PUT /repos/{owner}/{repo}/environments/{environment_name}

cURL JavaScript



```
curl -L \ -X PUT \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ https://api.github.com/repos/OWNER/REPO/environments/ENVIRONMENT_NAME \ -d '{"wait_timer":30,"prevent_self_review":false,"reviewers":[{"type":"User","id":1},{"type":"Team","id":1}],"deployment_branch_policy":{"protected_branches":false,"custom_branch_policies":true}}'
```

Response

Example response

Response schema

Status: 200

```
{ "id": 161088068, "node_id": "MDExOEVudmlyb25tZW50MTYxMDg4MDY4", "name": "staging", "url": "https://api.github.com/repos/github/hello-world/environments/staging", "html_url": "https://github.com/github/hello-world/deployments/activity_log?environments_filter=staging", "created_at": "2020-11-23T22:00:40Z", "updated_at": "2020-11-23T22:00:40Z", "protection_rules": [ { "id": 3736, "node_id": "MDQ6R2F0ZTM3MzY=", "type": "wait_timer", "wait_timer": 30 }, { "id": 3755, "node_id": "MDQ6R2F0ZTM3NTU=", "prevent_self_review": false, "type": "required_reviewers", "reviewers": [ { "type": "User", "reviewer": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url":
```

Delete an environment

✔ Works with [GitHub Apps](#)

You must authenticate using an access token with the repo scope to use this endpoint.

Parameters for "Delete an environment"

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.

environment_name string **Required**

The name of the environment.

HTTP response status codes for "Delete an environment"

Status code	Description
204	Default response

Code samples for "Delete an environment"

DELETE

/repos/{owner}/{repo}/environments/{environment_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" \ https://api.github.com/repos/OWNER/REPO/environments/ENVIRONMENT_NAME
```

Default response

Status: 204

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