



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 "<u>Using environments for deployment</u>." To manage environment secrets, see "<u>Actions</u>."

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)

Default: 30

page integer

Page number of the results to fetch.

Default: 1

HTTP response status codes for "List environments"

Status code	Description
200	ОК

Code samples for "List environments"



Response

```
Example response Response schema

Status: 200

{ "total_count": 1, "environments": [ { "id": 161088068, "node_id": "MDExOkVudmlyb25tZW50MTYxMDg4MDY4", "name": "staging", "url": "https://HOSTNAME/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=", "type": "required_reviewers", "reviewers": [ { "type": "User", "reviewer": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "
```

Get an environment @

Works with <u>GitHub Apps</u>

Note: To get information about name patterns that branches must match in order to deploy to this environment, see "<u>Get a deployment branch policy</u>."

Anyone with read access to the repository can use this endpoint. If the repository is private, you must use an access token with the repository can use this endpoint. If the repository is private, you must use an access token with the repository can 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	ОК

Code samples for "Get an environment"



Response

```
Example response Response schema

Status: 200

{ "id": 161088068, "node_id": "MDExOkVudmlyb25tZW50MTYxMDg4MDY4", "name": "staging", "url": "https://H0STNAME/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=", "type": "required_reviewers", "reviewers": [ { "type": "User", "reviewer": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url":
```

Create or update an environment &

Works with <u>GitHub Apps</u>

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).

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 camples for "Create or undate an environment"

```
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" \ http(s)://HOSTNAME/api/v3/repos/OWNER/REPO/environments/ENVIRONMENT_NAME \ -d '{"wait_timer":30, "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": "MDEx0kVudmlyb25tZW50MTYxMDg4MDY4", "name": "staging", "url": "https://H0STNAME/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=",
    "type": "required_reviewers", "reviewers": [ {
        "type": "User", "reviewer": {
        "login": "octocat", "id": 1, "node_id":
        "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url":
```

Delete an environment &

Works with <u>GitHub Apps</u>

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"



Default response

Status: 204

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