

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

Deployment branch policies

Use the REST API to manage custom deployment branch policies.

About deployment branch policies

You can use the REST API to specify custom name patterns that branches must match in order to deploy to an environment. The `deployment_branch_policy.custom_branch_policies` property for the environment must be set to `true` to use these endpoints. To update the `deployment_branch_policy` for an environment, see "[Deployment environments](#)."

For more information about restricting environment deployments to certain branches, see "[Using environments for deployment](#)."

List deployment branch policies

✔ Works with [GitHub Apps](#)

Lists the deployment branch policies for an environment.

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 deployment branch policies"

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.

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 deployment branch policies"

Status code	Description
200	OK

Code samples for "List deployment branch policies"

GET

/repos/{owner}/{repo}/environments/{environment_name}/deployment-branch-policies

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/deployment-branch-policies
```

Response

Example response

Response schema

Status: 200

```
{ "total_count": 2, "branch_policies": [ { "id": 361471, "node_id": "MDE20kdhdGVCCmFuY2hQb2xpY3kzNjE0NzE=", "name": "release/*" }, { "id": 361472, "node_id": "MDE20kdhdGVCCmFuY2hQb2xpY3kzNjE0NzI=", "name": "main" } ] }
```

Create a deployment branch policy [↗](#)

✔ Works with [GitHub Apps](#)

Creates a deployment branch or tag policy for an environment.

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 a deployment branch policy"

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

`name` string **Required**

The name pattern that branches or tags must match in order to deploy to the environment. Wildcard characters will not match `/` . For example, to match branches that begin with `release/` and contain an additional single slash, use `release/*/` . For more information about pattern matching syntax, see the [Ruby File.fnmatch documentation](#).

`type` string


Whether this rule targets a branch or tag

Can be one of: `branch` , `tag`

HTTP response status codes for "Create a deployment branch policy"

Status code	Description
200	OK
303	Response if the same branch name pattern already exists
404	Not Found or <code>deployment_branch_policy.custom_branch_policies</code> property for the environment is set to false

Code samples for "Create a deployment branch policy"

Example of a wildcard name pattern 

POST

/repos/{owner}/{repo}/environments/{environment_name}/deployment-branch-policies

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/repos/OWNER/REPO/environments/ENVIRONMENT_NAME/deployment-branch-policies \ -d '{"name": "release/*"}'
```

Response

Example response

Response schema

Status: 200

```
{ "id": 364662, "node_id": "MDE20kdhdGVCCmFuY2hQb2xpY3kzNjQ2NjI=", "name": "release/*" }
```

Get a deployment branch policy

✔ Works with [GitHub Apps](#)

Gets a deployment branch or tag policy for an environment.

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 a deployment branch policy"

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.
- branch_policy_id** integer **Required**
The unique identifier of the branch policy.

HTTP response status codes for "Get a deployment branch policy"

Status code	Description
200	OK

Code samples for "Get a deployment branch policy"

```
GET /repos/{owner}/{repo}/environments/{environment_name}/deployment-branch-policies/{branch_policy_id}
```

cURLJavaScriptGitHub 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/deployment-branch-policies/BRANCH_POLICY_ID
```

Response

Example responseResponse schema

Status: 200

{ "id": 364662, "node_id": "MDE20kdhdGVCCmFuY2hQb2xpY3kzNjQ2NjI=", "name": "release/*" }

Update a deployment branch policy [↗](#)

✔ Works with [GitHub Apps](#)

Updates a deployment branch or tag policy for an environment.

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 "Update a deployment branch policy"

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.

branch_policy_id integer **Required**
The unique identifier of the branch policy.

Body parameters

name string **Required**

The name pattern that branches must match in order to deploy to the environment. Wildcard characters will not match `/`. For example, to match branches that begin with `release/` and contain an additional single slash, use `release/*/`. For more information about pattern matching syntax, see the [Ruby File.fnmatch documentation](#).

HTTP response status codes for "Update a deployment branch policy"

Status code	Description
200	OK

Code samples for "Update a deployment branch policy"

PUT

/repos/{owner}/{repo}/environments/{environment_name}/deployment-branch-policies/{branch_policy_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" \ https://api.github.com/repos/OWNER/REPO/environments/ENVIRONMENT_NAME/deployment-branch-policies/BRANCH_POLICY_ID \ -d '{"name":"release/*"}'
```

Response

Example response

Response schema

Status: 200

```
{ "id": 364662, "node_id": "MDE20kdhdGVCCmFuY2hQb2xpY3kzNjQ2NjI=", "name": "release/*" }
```

Delete a deployment branch policy

✔ Works with [GitHub Apps](#)

Deletes a deployment branch or tag policy for an environment.

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 "Delete a deployment branch policy"

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.

branch_policy_id integer **Required**

The unique identifier of the branch policy.

HTTP response status codes for "Delete a deployment branch policy"

Status code	Description
204	No Content

Code samples for "Delete a deployment branch policy"

DELETE `/repos/{owner}/{repo}/environments/{environment_name}/deployment-branch-policies/{branch_policy_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" \ https://api.github.com/repos/OWNER/REPO/environments/ENVIRONMENT_NAME/deployment-branch-policies/BRANCH_POLICY_ID
```

Response

Status: 204

Legal