GitHub Docs



REST API / Repositories / Rules

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

# Rules

Use the REST API to manage rulesets for repositories. Rulesets control how people can interact with selected branches and tags in a repository.

## Get rules for a branch @

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Returns all active rules that apply to the specified branch. The branch does not need to exist; rules that would apply to a branch with that name will be returned. All active rules that apply will be returned, regardless of the level at which they are configured (e.g. repository or organization). Rules in rulesets with "evaluate" or "disabled" enforcement statuses are not returned.

### Parameters for "Get rules for a branch"

#### **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.

branch string Required

The name of the branch. Cannot contain wildcard characters. To use wildcard characters in branch names, use the GraphQL API.

#### **Query parameters**

per\_page integer

The number of results per page (max 100).

Default: 30

page integer

Page number of the results to fetch.

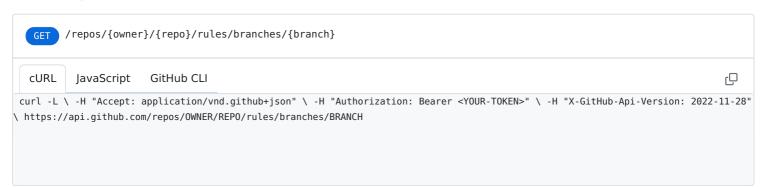
Default: 1

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## HTTP response status codes for "Get rules for a branch"

Status code	Description
200	OK

### Code samples for "Get rules for a branch"



## Response

```
Example response Response schema

Status: 200

[ { "type": "commit_message_pattern", "ruleset_source_type": "Repository", "ruleset_source": "monalisa/my-repo", "ruleset_id": 42, "parameters": { "operator": "starts_with", "pattern": "issue" } }, { "type": "commit_author_email_pattern", "ruleset_source_type": "Organization", "ruleset_source": "my-org", "ruleset_id": 73, "parameters": { "operator": "contains", "pattern": "github" } } ]
```

# **Get all repository rulesets** *∂*

Works with <u>GitHub Apps</u>

Get all the rulesets for a repository.

## Parameters for "Get all repository rulesets"

#### **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

includes\_parents boolean

Include rulesets configured at higher levels that apply to this repository

Default: true

## HTTP response status codes for "Get all repository rulesets"

Status code	Description
200	ОК
404	Resource not found
500	Internal Error

## Code samples for "Get all repository rulesets"



## Response

Example response Response schema

Status: 200

[ { "id": 42, "name": "super cool ruleset", "source\_type": "Repository", "source": "monalisa/my-repo", "enforcement": "enabled", "node\_id": "RRS\_lACkVXNlcgQB", "\_links": { "self": { "href": "https://api.github.com/repos/monalisa/my-repo/rulesets/42" }, "html": { "href": "https://github.com/monalisa/my-repo/rules/42" } }, "created\_at": "2023-07-15T08:43:03Z", "updated\_at": "2023-08-23T16:29:47Z" }, { "id": 314, "name": "Another ruleset", "source\_type": "Repository", "source": "monalisa/my-repo", "enforcement": "enabled", "node\_id": "RRS\_lACkVXNlcgQQ", "\_links": { "self": { "href": "https://api.github.com/repos/monalisa/my-repo/rulesets/314" }, "html": { "href": "https://github.com/monalisa/my-repo/rules/314" } }, "created\_at": "2023-08-15T08:43:03Z", "

# Create a repository ruleset &

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Create a ruleset for a repository.

## Parameters for "Create a repository ruleset"

### 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 <code>.git</code> extension. The name is not case sensitive.

### **Body parameters**

name string Required

The name of the ruleset.

target string

The target of the ruleset.

Can be one of: branch , tag

enforcement string Required

The enforcement level of the ruleset. evaluate allows admins to test rules before enforcing them. Admins can view insights on the Rule Insights page.

Can be one of: disabled, active, evaluate

bypass\_actors array of objects

The actors that can bypass the rules in this ruleset

▶ Properties of bypass\_actors

conditions object

Parameters for a repository ruleset ref name condition

▶ Properties of conditions

rules array of objects

An array of rules within the ruleset.

▶ Can be one of these objects:

## HTTP response status codes for "Create a repository ruleset"

Status code Description

```
Created

Resource not found

Internal Error
```

### Code samples for "Create a repository ruleset"

```
repos/{owner}/{repo}/rulesets

CURL JavaScript

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/rulesets \ -d '{"name":"super cool ruleset", "target": "branch", "enforcement": "active", "bypass_actors":

[{"actor_id":234, "actor_type": "Team", "bypass_mode": "always"}], "conditions": {"ref_name": {"include": ["refs/heads/main", "refs/heads/master"], "exclude": ["refs/heads/dev*"]}}, "rules":

[{"type": "commit_author_email_pattern", "parameters": {"operator": "contains", "pattern": "github"}}]}'
```

#### Response

```
Example response Response schema

Status: 201

{ "id": 42, "name": "super cool ruleset", "target": "branch", "source_type": "Repository", "source": "monalisa/my-repo", "enforcement": "active", "bypass_actors": [ { "actor_id": 234, "actor_type": "Team", "bypass_mode": "always" } ], "conditions": { "ref_name": { "include": [ "refs/heads/main", "refs/heads/master" ], "exclude": [ "refs/heads/dev*" ] } }, "rules": [ { "type": "commit_author_email_pattern", "parameters": { "operator": "contains", "pattern": "github" } } ], "node_id": "RRS_lACkVXNlcgQB", "_links": { "self": { "href": "https://api.github.com/repos/monalisa/my-repo/rulesets/42" }, "html": { "href": "https://github.com/monalisa/my-repo/rules/42" } }, "created_at": "2023-07-15T08:43:03Z", "updated_at": "2023-08-23T16:29:47Z" }
```

# Get a repository ruleset ∂

Works with <u>GitHub Apps</u>

Get a ruleset for a repository.

## Parameters for "Get a repository ruleset"

### 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

The decoding officer 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.

ruleset\_id integer Required

The ID of the ruleset.

#### **Query parameters**

includes\_parents boolean

Include rulesets configured at higher levels that apply to this repository

Default: true

## HTTP response status codes for "Get a repository ruleset"

Status code	Description
200	ОК
404	Resource not found
500	Internal Error

## Code samples for "Get a repository ruleset"



## Response

```
Example response Response schema

Status: 200

{ "id": 42, "name": "super cool ruleset", "target": "branch", "source_type": "Repository", "source": "monalisa/my-repo", "enforcement": "active", "bypass_actors": [ { "actor_id": 234, "actor_type": "Team", "bypass_mode": "always" } ], "conditions": { "ref_name": { "include": [ "refs/heads/main", "refs/heads/master" ], "exclude": [ "refs/heads/dev*" ] } }, "rules": [ { "type": "commit_author_email_pattern", "parameters": { "operator": "contains", "pattern": "github" } } ], "node_id": "RRS_lACkVXNlcgQB", "_links": { "self": { "href": "https://api.github.com/repos/monalisa/my-repo/rulesets/42" }, "html": { "href": "https://github.com/monalisa/my-repo/rules/42" } }, "created_at": "2023-07-15T08:43:03Z", "updated_at": "2023-08-23T16:29:47Z" }
```

# Update a repository ruleset &

Works with <u>GitHub Apps</u>

Undate a ruleset for a renository

## Parameters for "Update a repository ruleset"

#### **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.

ruleset\_id integer Required

The ID of the ruleset.

### **Body parameters**

name string

The name of the ruleset.

target string

The target of the ruleset.

Can be one of: branch, tag

enforcement string

The enforcement level of the ruleset. evaluate allows admins to test rules before enforcing them. Admins can view insights on the Rule Insights page.

Can be one of: disabled, active, evaluate

bypass\_actors array of objects

The actors that can bypass the rules in this ruleset

► Properties of bypass\_actors

conditions object

Parameters for a repository ruleset ref name condition

▶ Properties of conditions

rules array of objects

An array of rules within the ruleset.

► Can be one of these objects:

Status code	Description
200	OK
404	Resource not found
500	Internal Error

## Code samples for "Update a repository ruleset"

```
PUT /repos/{owner}/{repo}/rulesets/{ruleset_id}

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/rulesets/RULESET_ID \ -d '{"name":"super cool ruleset", "target": "branch", "enforcement": "active", "bypass_actors":
[{"actor_id":234, "actor_type": "Team", "bypass_mode": "always"}], "conditions": {"ref_name": {"include": ["refs/heads/main", "refs/heads/master"], "exclude": ["refs/heads/dev*"]}}, "rules":
[{"type": "commit_author_email_pattern", "parameters": {"operator": "contains", "pattern": "github"}}]}'
```

#### Response

```
Example response Response schema

Status: 200

{ "id": 42, "name": "super cool ruleset", "target": "branch", "source_type": "Repository", "source": "monalisa/my-repo", "enforcement": "active", "bypass_actors": [ { "actor_id": 234, "actor_type": "Team", "bypass_mode": "always" } ], "conditions": { "ref_name": { "include": [ "refs/heads/main", "refs/heads/master" ], "exclude": [ "refs/heads/dev*" ] } }, "rules": [ { "type": "commit_author_email_pattern", "parameters": { "operator": "contains", "pattern": "github" } } ], "node_id": "RRS_lACkVXNlcgQB", "_links": { "self": { "href": "https://api.github.com/repos/monalisa/my-repo/rulesets/42" }, "html": { "href": "https://github.com/monalisa/my-repo/rulesets/42" }, "created_at": "2023-07-15T08:43:03Z", "updated_at": "2023-08-23T16:29:47Z" }
```

# Delete a repository ruleset &

Works with <u>GitHub Apps</u>

Delete a ruleset for a repository.

## Parameters for "Delete a repository ruleset"

### 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.

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.

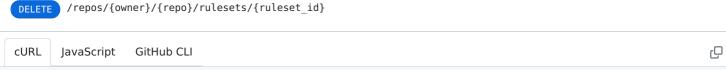
ruleset\_id integer Required

The ID of the ruleset.

## HTTP response status codes for "Delete a repository ruleset"

Status code	Description
204	No Content
404	Resource not found
500	Internal Error

## Code samples for "Delete a repository ruleset"



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/rulesets/RULESET\_ID

### Response

Status: 204

### Legal

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