

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

# Pre-receive Hooks

Use the REST API to create, list, update and delete pre-receive hooks.

## About pre-receive hooks [↗](#)

These endpoints are only available to [authenticated](#) site administrators. Normal users will receive a `404` response.

These endpoints only support authentication using a personal access token (classic). For more information, see "[Managing your personal access tokens](#)."

## Object attributes [↗](#)

### Pre-receive Hook [↗](#)

Name	Type	Description
<code>name</code>	<code>string</code>	The name of the hook.
<code>script</code>	<code>string</code>	The script that the hook runs.
<code>script_repository</code>	<code>object</code>	The GitHub repository where the script is kept.
<code>environment</code>	<code>object</code>	The pre-receive environment where the script is executed.
<code>enforcement</code>	<code>string</code>	The state of enforcement for this hook.
<code>allow_downstream_configuration</code>	<code>boolean</code>	Whether enforcement can be overridden at the org or repo level.

Possible values for *enforcement* are `enabled`, `disabled` and `testing`. `disabled` indicates the pre-receive hook will not run. `enabled` indicates it will run and reject any pushes that result in a non-zero status. `testing` means the script will run but will not cause any pushes to be rejected.

## List pre-receive hooks [↗](#)

### Parameters for "List pre-receive hooks"

#### Headers

**accept** string

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

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`

**direction** string

The direction to sort the results by.

Default: `desc`

Can be one of: `asc` , `desc`

**sort** string

The property to sort the results by.

Default: `created`

Can be one of: `created` , `updated` , `name`

HTTP response status codes for "List pre-receive hooks"

Status code	Description
<code>200</code>	OK

Code samples for "List pre-receive hooks"

GET

/admin/pre-receive-hooks

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/admin/pre-receive-hooks
```

Response

Example response

Response schema

Status: 200

```
[ { "id": 1, "name": "Check Commits", "enforcement": "disabled", "script": "scripts/commit_check.sh", "script_repository": { "id": 595, "full_name": "DevIT/hooks", "url": "https://github.example.com/api/v3/repos/DevIT/hooks", "html_url": "https://github.example.com/DevIT/hooks" }, "environment": { "id": 2, "name": "DevTools Hook Env", "image_url": "https://my_file_server/path/to/devtools_env.tar.gz", "url": "https://github.example.com/api/v3/admin/pre-receive-environments/2", "html_url": "https://github.example.com/admin/pre-receive-environments/2", "default_environment": false, "created_at": "2016-05-20T11:35:45-05:00", "hooks_count": 1, "download": { "url": "https://github.example.com/api/v3/admin/pre-receive-
```

# Create a pre-receive hook

## Parameters for "Create a pre-receive hook"

### Headers

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

### Body parameters

**name** string **Required**  
The name of the hook.

**script** string **Required**  
The script that the hook runs.

**script\_repository** object **Required**  
The GitHub repository where the script is kept.

**environment** object **Required**  
The pre-receive environment where the script is executed.

**enforcement** string  
The state of enforcement for this hook. default: `disabled`

**allow\_downstream\_configuration** boolean  
Whether enforcement can be overridden at the org or repo level. default: `false`

## HTTP response status codes for "Create a pre-receive hook"

Status code	Description
201	Created

## Code samples for "Create a pre-receive hook"

**POST** /admin/pre-receive-hooks

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" \ http(s)://HOSTNAME/api/v3/admin/pre-receive-hooks \ -d '{"name":"Check Commits","script":"scripts/commit_check.sh","enforcement":"disabled","allow_downstream_configuration":false,"script_repository":{"full_name":"DevIT/hooks"},"environment":{"id":2}}'
```

### Response

Example response

Response schema

Status: 201

```
{ "id": 1, "name": "Check Commits", "enforcement": "disabled", "script": "scripts/commit_check.sh", "script_repository": { "id": 595, "full_name": "DevIT/hooks", "url": "https://github.example.com/api/v3/repos/DevIT/hooks", "html_url": "https://github.example.com/DevIT/hooks" }, "environment": { "id": 2, "name": "DevTools Hook Env", "image_url": "https://my_file_server/path/to/devtools_env.tar.gz", "url": "https://github.example.com/api/v3/admin/pre-receive-environments/2", "html_url": "https://github.example.com/admin/pre-receive-environments/2", "default_environment": false, "created_at": "2016-05-20T11:35:45-05:00", "hooks_count": 1, "download": { "url": "https://github.example.com/api/v3/admin/pre-receive-
```

# Get a pre-receive hook [↗](#)

## Parameters for "Get a pre-receive hook"

### Headers

**accept** string

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

### Path parameters

**pre\_receive\_hook\_id** integer **Required**

The unique identifier of the pre-receive hook.

## HTTP response status codes for "Get a pre-receive hook"

Status code	Description
200	OK

## Code samples for "Get a pre-receive hook"

GET

/admin/pre-receive-hooks/{pre\_receive\_hook\_id}

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/admin/pre-receive-hooks/PRE_RECEIVE_HOOK_ID
```

### Response

Example response

Response schema

Status: 200

```
{ "id": 1, "name": "Check Commits", "enforcement": "disabled", "script": "scripts/commit_check.sh", "script_repository": { "id": 595, "full_name": "DevIT/hooks", "url": "https://github.example.com/api/v3/repos/DevIT/hooks", "html_url": "https://github.example.com/DevIT/hooks" }, "environment": { "id": 2, "name": "DevTools Hook Env", "image_url": "https://my_file_server/path/to/devtools_env.tar.gz", "url": "https://github.example.com/api/v3/admin/pre-receive-environments/2", "html_url": "https://github.example.com/admin/pre-receive-environments/2", "default_environment": false, "created_at": "2016-05-20T11:35:45-05:00", "hooks_count": 1, "download": { "url": "https://github.example.com/api/v3/admin/pre-receive-
```

```
"https://github.example.com/Dev11/hooks" }, "environment": { "id": 2, "name": "Dev1000s Hook Env", "image_url":
"https://my_file_server/path/to/devtools_env.tar.gz", "url": "https://github.example.com/api/v3/admin/pre-receive-environments/2",
"html_url": "https://github.example.com/admin/pre-receive-environments/2", "default_environment": false, "created_at": "2016-05-
20T11:35:45-05:00", "hooks_count": 1, "download": { "url": "https://github.example.com/api/v3/admin/pre-receive-
```

# Update a pre-receive hook [↗](#)

## Parameters for "Update a pre-receive hook"

### Headers

**accept** string

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

### Path parameters

**pre\_receive\_hook\_id** integer **Required**

The unique identifier of the pre-receive hook.

### Body parameters

**name** string

The name of the hook.

**script** string

The script that the hook runs.

**script\_repository** object

The GitHub repository where the script is kept.

**environment** object

The pre-receive environment where the script is executed.

**enforcement** string

The state of enforcement for this hook.

**allow\_downstream\_configuration** boolean

Whether enforcement can be overridden at the org or repo level.

## HTTP response status codes for "Update a pre-receive hook"

Status code	Description
200	OK

## Code samples for "Update a pre-receive hook"

**PATCH** /admin/pre-receive-hooks/{pre\_receive\_hook\_id}

cURLJavaScript

```
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/admin/pre-receive-hooks/PRE_RECEIVE_HOOK_ID \ -d '{"name":"Check Commits","environment":{"id":1},"allow_downstream_configuration":true}'
```

Response

Example responseResponse schema

Status: 200

```
{ "id": 1, "name": "Check Commits", "enforcement": "disabled", "script": "scripts/commit_check.sh", "script_repository": { "id": 595, "full_name": "DevIT/hooks", "url": "https://github.example.com/api/v3/repos/DevIT/hooks", "html_url": "https://github.example.com/DevIT/hooks" }, "environment": { "id": 1, "name": "Default", "image_url": "githubenterprise://internal", "url": "https://github.example.com/api/v3/admin/pre-receive-environments/1", "html_url": "https://github.example.com/admin/pre-receive-environments/1", "default_environment": true, "created_at": "2016-05-20T11:35:45-05:00", "hooks_count": 1, "download": { "url": "https://github.example.com/api/v3/admin/pre-receive-
```

## Delete a pre-receive hook

Parameters for "Delete a pre-receive hook"

Headers

**accept** string

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

Path parameters

**pre\_receive\_hook\_id** integer **Required**

The unique identifier of the pre-receive hook.

HTTP response status codes for "Delete a pre-receive hook"

Status code	Description
204	No Content

Code samples for "Delete a pre-receive hook"

DELETE/admin/pre-receive-hooks/{pre\_receive\_hook\_id}

cURLJavaScriptGitHub 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/admin/pre-receive-hooks/PRE_RECEIVE_HOOK_ID
```

Response

Status: 204

Legal