

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

Pre-receive Environments

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

About pre-receive environments

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 Environment

Name	Type	Description
<code>name</code>	<code>string</code>	The name of the environment as displayed in the UI.
<code>image_url</code>	<code>string</code>	URL to the tarball that will be downloaded and extracted.
<code>default_environment</code>	<code>boolean</code>	Whether this is the default environment that ships with GitHub Enterprise Server.
<code>download</code>	<code>object</code>	This environment's download status.
<code>hooks_count</code>	<code>integer</code>	The number of pre-receive hooks that use this environment.

Pre-receive Environment Download

Name	Type	Description
<code>state</code>	<code>string</code>	The state of the most recent download.
<code>downloaded_at</code>	<code>string</code>	The time when the most recent download started.
<code>message</code>	<code>string</code>	On failure, this will have any error messages produced.

Possible values for `state` are `not_started`, `in_progress`, `success`, `failed`.

List pre-receive environments

Parameters for "List pre-receive environments"

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

Default: `created`

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

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

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

Code samples for "List pre-receive environments"

GET

/admin/pre-receive-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" \
  http(s)://HOSTNAME/api/v3/admin/pre-receive-environments
```

Response

Example response

Response schema

Status: 200

```
[ { "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": 14, "download": { "url": "https://github.example.com/api/v3/admin/pre-
receive-environments/1/downloads/latest", "state": "not_started", "downloaded_at": "2016-05-26T07:42:53-05:00", "message": null }
}, { "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-
```

Create a pre-receive environment

Parameters for "Create a pre-receive environment"

Headers

accept string

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

Body parameters

name string **Required**

The new pre-receive environment's name.

image_url string **Required**

URL from which to download a tarball of this environment.

HTTP response status codes for "Create a pre-receive environment"

Status code	Description
201	Created

Code samples for "Create a pre-receive environment"

POST /admin/pre-receive-environments

cURLJavaScriptGitHub CLI



```
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-environments \ -d '{"name":"DevTools Hook
Env","image_url":"https://my_file_server/path/to/devtools_env.tar.gz"}'
```

Response

Example responseResponse schema

Status: 201

```
{ "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":
```

```
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-environments/2/downloads/latest", "state": "not_started", "downloaded_at": null,  
"message": null } }
```

Get a pre-receive environment [↗](#)

Parameters for "Get a pre-receive environment"

Headers

accept string

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

Path parameters

pre_receive_environment_id integer **Required**

The unique identifier of the pre-receive environment.

HTTP response status codes for "Get a pre-receive environment"

Status code	Description
200	OK

Code samples for "Get a pre-receive environment"

GET /admin/pre-receive-environments/{pre_receive_environment_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-environments/PRE_RECEIVE_ENVIRONMENT_ID
```

Response

Example response

Response schema

Status: 200

```
{ "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-environments/2/downloads/latest", "state": "not_started", "downloaded_at": null,  
"message": null } }
```

Update a pre-receive environment [↗](#)

You cannot modify the default environment. If you attempt to modify the default environment, you will receive a `422 Unprocessable Entity` response.

Parameters for "Update a pre-receive environment"

Headers

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

Path parameters

`pre_receive_environment_id` integer **Required**
The unique identifier of the pre-receive environment.

Body parameters

`name` string
This pre-receive environment's new name.

`image_url` string
URL from which to download a tarball of this environment.

HTTP response status codes for "Update a pre-receive environment"

Status code	Description
200	OK
422	Client Errors

Code samples for "Update a pre-receive environment"

`PATCH` `/admin/pre-receive-environments/{pre_receive_environment_id}`

`cURL``JavaScript``GitHub CLI`

```
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-environments/PRE_RECEIVE_ENVIRONMENT_ID \ -d '{"name":"DevTools Hook Env","image_url":"https://my_file_server/path/to/devtools_env.tar.gz"}'
```

Response

`Example response``Response schema`

Status: 200

```
{ "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-environments/2/downloads/latest", "state": "success", "downloaded_at": "2016-05-26T07:42:53-05:00", "message": null } }
```

Delete a pre-receive environment [↗](#)

If you attempt to delete an environment that cannot be deleted, you will receive a `422 Unprocessable Entity` response.

The possible error messages are:

- Cannot modify or delete the default environment*
- Cannot delete environment that has hooks*
- Cannot delete environment when download is in progress*

Parameters for "Delete a pre-receive environment"

Headers

`accept` string

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

Path parameters

`pre_receive_environment_id` integer **Required**

The unique identifier of the pre-receive environment.

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

Status code	Description
204	No Content
422	Client Errors

Code samples for "Delete a pre-receive environment"

`DELETE` /admin/pre-receive-environments/{pre_receive_environment_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" \ http(s)://HOSTNAME/api/v3/admin/pre-receive-environments/PRE_RECEIVE_ENVIRONMENT_ID
```

Response

204 No Content

Status: 204

Start a pre-receive environment download

Triggers a new download of the environment tarball from the environment's `image_url` . When the download is finished, the newly downloaded tarball will overwrite the existing environment.

If a download cannot be triggered, you will receive a `422 Unprocessable Entity` response.

The possible error messages are:

- Cannot modify or delete the default environment*
- Can not start a new download when a download is in progress*

Parameters for "Start a pre-receive environment download"

Headers

`accept` string

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

Path parameters

`pre_receive_environment_id` integer **Required**

The unique identifier of the pre-receive environment.

HTTP response status codes for "Start a pre-receive environment download"

Status code	Description
202	Accepted
422	Client Errors

Code samples for "Start a pre-receive environment download"

`POST` /admin/pre-receive-environments/{pre_receive_environment_id}/downloads

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" \ http(s)://HOSTNAME/api/v3/admin/pre-receive-environments/PRE_RECEIVE_ENVIRONMENT_ID/downloads
```

Response

Example response

Response schema

Status: 202

```
{ "url": "https://github.example.com/api/v3/admin/pre-receive-environments/3/downloads/latest", "state": "not_started",
"downloaded_at": null, "message": null }
```

Get the download status for a pre-receive environment

In addition to seeing the download status at the "[Get a pre-receive environment](#)" endpoint, there is also this separate endpoint for just the download status.

Parameters for "Get the download status for a pre-receive environment"

Headers

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

Path parameters

pre_receive_environment_id integer **Required**
The unique identifier of the pre-receive environment.

HTTP response status codes for "Get the download status for a pre-receive environment"

Status code	Description
200	OK

Code samples for "Get the download status for a pre-receive environment"

GET /admin/pre-receive-environments/{pre_receive_environment_id}/downloads/latest

cURLJavaScriptGitHub 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-environments/PRE_RECEIVE_ENVIRONMENT_ID/downloads/latest
```

Response

Example responseResponse schema

Status: 200

```
{ "url": "https://github.example.com/api/v3/admin/pre-receive-environments/3/downloads/latest", "state": "success", "downloaded_at": "2016-05-26T07:42:53-05:00", "message": null }
```


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