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

Organization webhooks

Use the REST API to interact with webhooks in an organization.

About organization webhooks 🔗

Organization webhooks allow your server to receive HTTP `POST` payloads whenever certain events happen in an organization. For more information, see "Webhooks documentation."

Scopes and restrictions 🔗

You must be an organization owner to use these endpoints. OAuth tokens require the `admin:org_hook` scope to use these endpoints.

In order to protect sensitive data which may be present in webhook configurations, we also enforce the following access control rules:

- OAuth apps cannot list, view, or edit webhooks which they did not create.
- Users cannot list, view, or edit webhooks which were created by OAuth apps.

List organization webhooks 🔗

✔ Works with GitHub Apps

Parameters for "List organization webhooks"

Headers

`accept`   string

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

Path parameters

`org`   string   Required

The organization name. 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 organization webhooks"

Status code	Description
200	OK
404	Resource not found

Code samples for "List organization webhooks"

GET /orgs/{org}/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/orgs/ORG/hooks
```

Response

Example response   Response schema

Status: 200

```
[ { "id": 1, "url": "https://HOSTNAME/orgs/octocat/hooks/1", "ping_url": "https://HOSTNAME/orgs/octocat/hooks/1/pings",
"deliveries_url": "https://HOSTNAME/orgs/octocat/hooks/1/deliveries", "name": "web", "events": [ "push", "pull_request" ], "active":
true, "config": { "url": "http://example.com", "content_type": "json" }, "updated_at": "2011-09-06T20:39:23Z", "created_at": "2011-
09-06T17:26:27Z", "type": "Organization" } ]
```

Create an organization webhook 🔗

✓ Works with [GitHub Apps](#)

Here's how you can create a hook that posts payloads in JSON format:

Parameters for "Create an organization webhook"

Headers

accept string

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

Path parameters

org string   Required

The organization name. The name is not case sensitive.

Body parameters

name string   Required

Must be passed as "web".

config object   Required

Key/value pairs to provide settings for this webhook.

▶ Properties of `config`

events array of strings

Determines what [events](#) the hook is triggered for. Set to `["*"]` to receive all possible events.

Default: `["push"]`

active boolean

Determines if notifications are sent when the webhook is triggered. Set to `true` to send notifications.

Default: `true`

HTTP response status codes for "Create an organization webhook"

Status code	Description
`201`	Created
`404`	Resource not found
`422`	Validation failed, or the endpoint has been spammed.

Code samples for "Create an organization webhook"

POST `/orgs/{org}/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/orgs/ORG/hooks \ -d '{"name":"web","active":true,"events":["push","pull_request"],"config":
{"url":"http://example.com/webhook","content_type":"json"}}'
```

Response

Example response   Response schema

Status: 201

```
{ "id": 1, "url": "https://HOSTNAME/orgs/octocat/hooks/1", "ping_url": "https://HOSTNAME/orgs/octocat/hooks/1/pings",
"deliveries_url": "https://HOSTNAME/orgs/octocat/hooks/1/deliveries", "name": "web", "events": [ "push", "pull_request" ], "active":
true, "config": { "url": "http://example.com", "content_type": "json" }, "updated_at": "2011-09-06T20:39:23Z", "created_at": "2011-
09-06T17:26:27Z", "type": "Organization" }
```

Get an organization webhook 🔗

✅ Works with [GitHub Apps](#)

Returns a webhook configured in an organization. To get only the webhook `config` properties, see "[Get a webhook configuration for an organization](#)."

Parameters for "Get an organization webhook"

Headers

`accept`   string

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

Path parameters

`org`   string   Required

The organization name. The name is not case sensitive.

`hook_id`   integer   Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

HTTP response status codes for "Get an organization webhook"

Status code	Description
`200`	OK
`404`	Resource not found

Code samples for "Get an organization webhook"

> **GET** `/orgs/{org}/hooks/{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/orgs/ORG/hooks/HOOK_ID
```

Response

Example response   Response schema

```
 Status: 200
```

```
{ "id": 1, "url": "https://HOSTNAME/orgs/octocat/hooks/1", "ping_url": "https://HOSTNAME/orgs/octocat/hooks/1/pings",
"deliveries_url": "https://HOSTNAME/orgs/octocat/hooks/1/deliveries", "name": "web", "events": [ "push", "pull_request" ], "active":
```

```
true, "config": { "url": "http://example.com", "content_type": "json" }, "updated_at": "2011-09-06T20:39:23Z", "created_at": "2011-09-06T17:26:27Z", "type": "Organization" }
```

Update an organization webhook 🔗

✅ Works with [GitHub Apps](#)

Updates a webhook configured in an organization. When you update a webhook, the `secret` will be overwritten. If you previously had a `secret` set, you must provide the same `secret` or set a new `secret` or the secret will be removed. If you are only updating individual webhook `config` properties, use "[Update a webhook configuration for an organization](#)."

Parameters for "Update an organization webhook"

Headers

accept string

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

Path parameters

org string   Required

The organization name. The name is not case sensitive.

hook_id integer   Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

Body parameters

config object

Key/value pairs to provide settings for this webhook.

▶ Properties of `config`

events array of strings

Determines what [events](#) the hook is triggered for.
Default: `["push"]`

active boolean

Determines if notifications are sent when the webhook is triggered. Set to `true` to send notifications.
Default: `true`

name string

HTTP response status codes for "Update an organization webhook"

Status code	Description

200	OK
404	Resource not found
422	Validation failed, or the endpoint has been spammed.

Code samples for "Update an organization webhook"

<div>

PATCH `/orgs/{org}/hooks/{hook_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/orgs/ORG/hooks/HOOK_ID \ -d '{"active":true,"events":["pull_request"]}'
```

</div>

Response

Example response   Response schema

Status: 200

```
{ "id": 1, "url": "https://HOSTNAME/orgs/octocat/hooks/1", "ping_url": "https://HOSTNAME/orgs/octocat/hooks/1/pings",
"deliveries_url": "https://HOSTNAME/repos/octocat/Hello-World/hooks/12345678/deliveries", "name": "web", "events": [ "pull_request"
], "active": true, "config": { "url": "http://example.com", "content_type": "json" }, "updated_at": "2011-09-06T20:39:23Z",
"created_at": "2011-09-06T17:26:27Z", "type": "Organization" }
```

Delete an organization webhook 🔗

✔ Works with GitHub Apps

Parameters for "Delete an organization webhook"

Headers

accept string

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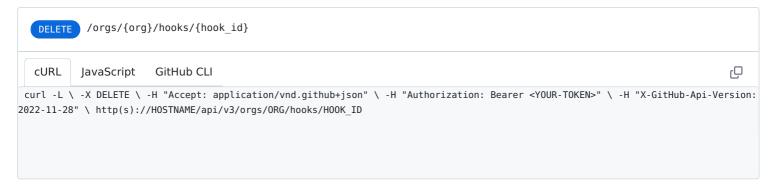
Path parameters

org string   Required

The organization name. The name is not case sensitive.

hook_id integer   Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

HTTP response status codes for "Delete an organization webhook"

Status code	Description
`204`	No Content
`404`	Resource not found

Code samples for "Delete an organization webhook"

`DELETE` /orgs/{org}/hooks/{hook_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/orgs/ORG/hooks/HOOK_ID
```

Response

```
Status: 204
```

Get a webhook configuration for an organization 🔗

✅ Works with [GitHub Apps](#)

Returns the webhook configuration for an organization. To get more information about the webhook, including the `active` state and `events`, use "[Get an organization webhook](#) ."

Access tokens must have the `admin:org_hook` scope, and GitHub Apps must have the `organization_hooks:read` permission.

Parameters for "Get a webhook configuration for an organization"

Headers

accept string

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

Path parameters

org string   Required

The organization name. The name is not case sensitive.

hook_id integer   Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

HTTP response status codes for "Get a webhook configuration for an organization"

Status code	Description
`200`	OK

Code samples for "Get a webhook configuration for an organization"

> **GET** /orgs/{org}/hooks/{hook_id}/config

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/orgs/ORG/hooks/HOOK_ID/config
```

Response

Example response	Response schema

Status: 200

```
{ "content_type": "json", "insecure_ssl": "0", "secret": "********", "url": "https://example.com/webhook" }
```

Update a webhook configuration for an organization 🔗

✅ Works with [GitHub Apps](#)

Updates the webhook configuration for an organization. To update more information about the webhook, including the `active` state and `events`, use "[Update an organization webhook](#)."

Access tokens must have the `admin:org_hook` scope, and GitHub Apps must have the `organization_hooks:write` permission.

Parameters for "Update a webhook configuration for an organization"

Headers

accept string

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

Path parameters

org string   Required

The organization name. The name is not case sensitive.

hook_id integer   Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

Body parameters

url string

The URL to which the payloads will be delivered.

content_type string

The media type used to serialize the payloads. Supported values include `json` and `form`. The default is `form`.

secret string

If provided, the `secret` will be used as the `key` to generate the HMAC hex digest value for [delivery signature headers](#).

insecure_ssl string or number

Determines whether the SSL certificate of the host for `url` will be verified when delivering payloads. Supported values include `0` (verification is performed) and `1` (verification is not performed). The default is `0`. **We strongly recommend not setting this to `1` as you are subject to man-in-the-middle and other attacks.**

HTTP response status codes for "Update a webhook configuration for an organization"

Status code	Description
`200`	OK

Code samples for "Update a webhook configuration for an organization"

`PATCH` `/orgs/{org}/hooks/{hook_id}/config`

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/orgs/ORG/hooks/HOOK_ID/config \ -d
'{"url":"http://example.com/webhook","content_type":"json","insecure_ssl":"0","secret":"********"}'
```

Response

Example response   Response schema

```
Status: 200
```

```
{ "content_type": "json", "insecure_ssl": "0", "secret": "********", "url": "https://example.com/webhook" }
```

List deliveries for an organization webhook 🔗

✔ Works with [GitHub Apps](#)

Returns a list of webhook deliveries for a webhook configured in an organization.

Parameters for "List deliveries for an organization webhook"

Headers

`accept` string

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

Path parameters

`org` string Required

The organization name. The name is not case sensitive.

`hook_id` integer Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

Query parameters

`per_page` integer

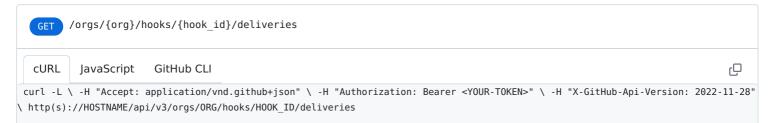The number of results per page (max 100).

Default: `30`

`cursor` string

Used for pagination: the starting delivery from which the page of deliveries is fetched. Refer to the `link` header for the next and previous page cursors.

`redelivery` boolean

HTTP response status codes for "List deliveries for an organization webhook"

Status code	Description
200	OK
400	Bad Request
422	Validation failed, or the endpoint has been spammed.

Code samples for "List deliveries for an organization webhook"

GET `/orgs/{org}/hooks/{hook_id}/deliveries`

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/orgs/ORG/hooks/HOOK_ID/deliveries
```

Response

Example response | Response schema

Status: 200

```
[ { "id": 12345678, "guid": "0b989ba4-242f-11e5-81e1-c7b6966d2516", "delivered_at": "2019-06-03T00:57:16Z", "redelivery": false,
"duration": 0.27, "status": "OK", "status_code": 200, "event": "issues", "action": "opened", "installation_id": 123, "repository_id":
456 }, { "id": 123456789, "guid": "0b989ba4-242f-11e5-81e1-c7b6966d2516", "delivered_at": "2019-06-04T00:57:16Z", "redelivery": true,
"duration": 0.28, "status": "OK", "status_code": 200, "event": "issues", "action": "opened", "installation_id": 123, "repository_id":
456 } ]
```

Get a webhook delivery for an organization webhook 🔗

✓ Works with GitHub Apps

Returns a delivery for a webhook configured in an organization.

Parameters for "Get a webhook delivery for an organization webhook"

Headers

accept string

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

Path parameters

org string   Required

The organization name. The name is not case sensitive.

hook_id integer   Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

delivery_id integer   Required

HTTP response status codes for "Get a webhook delivery for an organization webhook"

Status code	Description
200	OK
400	Bad Request
422	Validation failed, or the endpoint has been spammed.

Code samples for "Get a webhook delivery for an organization webhook"

GET /orgs/{org}/hooks/{hook_id}/deliveries/{delivery_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/orgs/ORG/hooks/HOOK_ID/deliveries/DELIVERY_ID
```

Response

| Example response | Response schema |

Status: 200

```
{ "id": 12345678, "guid": "0b989ba4-242f-11e5-81e1-c7b6966d2516", "delivered_at": "2019-06-03T00:57:16Z", "redelivery": false,
"duration": 0.27, "status": "OK", "status_code": 200, "event": "issues", "action": "opened", "installation_id": 123,
"repository_id": 456, "url": "https://www.example.com", "request": { "headers": { "X-GitHub-Delivery": "0b989ba4-242f-11e5-81e1-
c7b6966d2516", "X-Hub-Signature-256": "sha256=6dcb09b5b57875f334f61aebed695e2e4193db5e", "Accept": "*/*", "X-GitHub-Hook-ID": "42",
"User-Agent": "GitHub-Hookshot/b8c71d8", "X-GitHub-Event": "issues", "X-GitHub-Hook-Installation-Target-ID": "123", "X-GitHub-Hook-
Installation-Target-Type": "repository", "content-type": "application/json", "X-Hub-Signature":
```

Redeliver a delivery for an organization webhook 🔗

✅ Works with GitHub Apps

Redeliver a delivery for a webhook configured in an organization.

Parameters for "Redeliver a delivery for an organization webhook"

Headers

accept string

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

Path parameters

org string Required

The organization name. The name is not case sensitive.

hook_id integer Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

delivery_id integer Required

HTTP response status codes for "Redeliver a delivery for an organization webhook"

Status code	Description
`202`	Accepted
`400`	Bad Request
`422`	Validation failed, or the endpoint has been spammed.

Code samples for "Redeliver a delivery for an organization webhook"

`POST` /orgs/{org}/hooks/{hook_id}/deliveries/{delivery_id}/attempts

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/orgs/ORG/hooks/HOOK_ID/deliveries/DELIVERY_ID/attempts
```

Accepted

Example response   Response schema

```
Status: 202
```

Ping an organization webhook 🔗

✔ Works with [GitHub Apps](#)

This will trigger a [ping event](#) to be sent to the hook.

Parameters for "Ping an organization webhook"

Headers

accept string

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

Path parameters

org string   Required

The organization name. The name is not case sensitive.

hook_id integer   Required

The unique identifier of the hook. You can find this value in the `X-GitHub-Hook-ID` header of a webhook delivery.

HTTP response status codes for "Ping an organization webhook"

Status code	Description
204	No Content
404	Resource not found

Code samples for "Ping an organization webhook"

POST /orgs/{org}/hooks/{hook_id}/pings

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/orgs/ORG/hooks/HOOK_ID/pings
```

Response

```
Status: 204
```