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

Self-hosted runners

Use the REST API to interact with self-hosted runners in GitHub Actions.

About self-hosted runners in GitHub Actions 🔗

You can use the REST API to register, view, and delete self-hosted runners in GitHub Actions. Self-hosted runners allow you to host your own runners and customize the environment used to run jobs in your GitHub Actions workflows. For more information, see "Hosting your own runners."

List self-hosted runners for an enterprise 🔗

Lists all self-hosted runners configured for an enterprise.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "List self-hosted runners for an enterprise"

Headers

---

accept string

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

Path parameters

---

enterprise string   Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

Query parameters

---

name string

The name of a self-hosted runner.

---

per_page integer

The number of results per page (max 100).
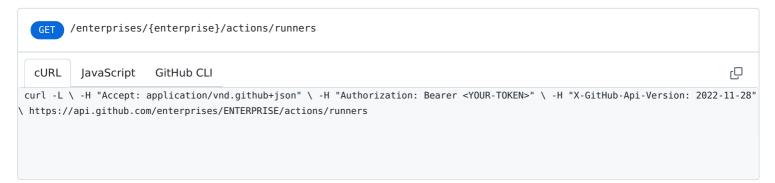
Default: `30`

---

page integer

Page number of the results to fetch.

Default: `1`

HTTP response status codes for "List self-hosted runners for an enterprise"

Status code	Description
200	OK

Code samples for "List self-hosted runners for an enterprise"

`GET` /enterprises/{enterprise}/actions/runners

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/enterprises/ENTERPRISE/actions/runners
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 2, "runners": [ { "id": 23, "name": "linux_runner", "os": "linux", "status": "online", "busy": true, "labels": [ {
"id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 11, "name": "Linux",
"type": "read-only" } ] }, { "id": 24, "name": "mac_runner", "os": "macos", "status": "offline", "busy": false, "labels": [ { "id":
5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS",
"type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] } ] }
```

List runner applications for an enterprise 🔗

Lists binaries for the runner application that you can download and run.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "List runner applications for an enterprise"

Headers

`accept` string

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

Path parameters

`enterprise` string Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

HTTP response status codes for "List runner applications for an enterprise"

Status code	Description

`200` OK

Code samples for "List runner applications for an enterprise"

<div>

GET /enterprises/{enterprise}/actions/runners/downloads

</div>

| 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/enterprises/ENTERPRISE/actions/runners/downloads
```

Response

| Example response | Response schema |

Status: 200

```
[ { "os": "osx", "architecture": "x64", "download_url": "https://github.com/actions/runner/releases/download/v2.164.0/actions-
runner-osx-x64-2.164.0.tar.gz", "filename": "actions-runner-osx-x64-2.164.0.tar.gz" }, { "os": "linux", "architecture": "x64",
"download_url": "https://github.com/actions/runner/releases/download/v2.164.0/actions-runner-linux-x64-2.164.0.tar.gz", "filename":
"actions-runner-linux-x64-2.164.0.tar.gz" }, { "os": "linux", "architecture": "arm", "download_url":
"https://github.com/actions/runner/releases/download/v2.164.0/actions-runner-linux-arm-2.164.0.tar.gz", "filename": "actions-
runner-linux-arm-2.164.0.tar.gz" }, { "os": "win", "architecture": "x64", "download_url":
```

Create configuration for a just-in-time runner for an Enterprise 🔗

Generates a configuration that can be passed to the runner application at startup.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "Create configuration for a just-in-time runner for an Enterprise"

Headers

accept   string

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

Path parameters

enterprise   string   Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

Body parameters

name   string   Required

The name of the new runner.

runner_group_id   integer   Required

The ID of the runner group to register the runner to.

labels array of strings Required

The names of the custom labels to add to the runner. **Minimum items**: 1. **Maximum items**: 100.

work_folder string

The working directory to be used for job execution, relative to the runner install directory.

Default: `_work`

HTTP response status codes for "Create configuration for a just-in-time runner for an Enterprise"

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

Code samples for "Create configuration for a just-in-time runner for an Enterprise"

`POST` /enterprises/{enterprise}/actions/runners/generate-jitconfig

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/enterprises/ENTERPRISE/actions/runners/generate-jitconfig \ -d '{"name":"New
runner","runner_group_id":1,"labels":["self-hosted","X64","macOS","no-gpu"],"work_folder":"_work"}'
```

Response

Example response   Response schema

```
Status: 201
```

```
{ "runner": { "id": 23, "name": "New runner", "os": "unknown", "status": "offline", "busy": false, "labels": [ { "id": 5, "name":
"self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-
only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }, "encoded_jit_config": "abc123" }
```

Create a registration token for an enterprise 🔗

Returns a token that you can pass to the `config` script. The token expires after one hour.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Example using registration token:

Configure your self-hosted runner, replacing `TOKEN` with the registration token provided by this endpoint.

```
./config.sh --url https://github.com/enterprises/octo-enterprise --token TOKEN
```

Parameters for "Create a registration token for an enterprise"

Headers

`accept` string

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

Path parameters

`enterprise` string Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

HTTP response status codes for "Create a registration token for an enterprise"

Status code	Description
`201`	Created

Code samples for "Create a registration token for an enterprise"

POST /enterprises/{enterprise}/actions/runners/registration-token

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/enterprises/ENTERPRISE/actions/runners/registration-token
```

Response

Example response   Response schema

```
Status: 201
```

```
{ "token": "LLBF3JGZDX3P5PMEXLND6TS6FCWO6", "expires_at": "2020-01-22T12:13:35.123-08:00" }
```

Create a remove token for an enterprise 🔗

Returns a token that you can pass to the `config` script to remove a self-hosted runner from an enterprise. The token expires after one hour.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Example using remove token:

To remove your self-hosted runner from an enterprise, replace `TOKEN` with the remove token provided by this endpoint.

```
./config.sh remove --token TOKEN
```

Parameters for "Create a remove token for an enterprise"

Headers

accept string	

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

Path parameters
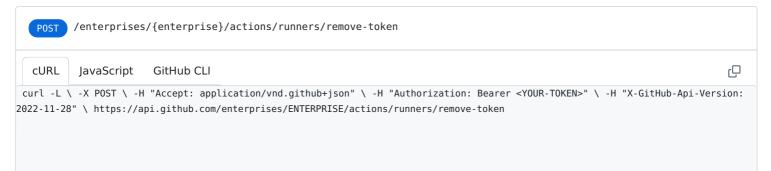
enterprise string Required	

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

HTTP response status codes for "Create a remove token for an enterprise"

Status code	Description
201	Created

Code samples for "Create a remove token for an enterprise"

POST /enterprises/{enterprise}/actions/runners/remove-token

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/enterprises/ENTERPRISE/actions/runners/remove-token
```

Response

Example response   Response schema

Status: 201

```
{ "token": "AABF3JGZDX3P5PMEXLND6TS6FCW06", "expires_at": "2020-01-29T12:13:35.123-08:00" }
```

Get a self-hosted runner for an enterprise 🔗

Gets a specific self-hosted runner configured in an enterprise.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "Get a self-hosted runner for an enterprise"

Headers

accept string

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

Path parameters

enterprise string Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

runner_id integer Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "Get a self-hosted runner for an enterprise"

Status code	Description
200	OK

Code samples for "Get a self-hosted runner for an enterprise"

GET /enterprises/{enterprise}/actions/runners/{runner_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"
\ https://api.github.com/enterprises/ENTERPRISE/actions/runners/RUNNER_ID
```

Response

Example response   Response schema

Status: 200

```
{ "id": 23, "name": "MBP", "os": "macos", "status": "online", "busy": true, "labels": [ { "id": 5, "name": "self-hosted", "type":
"read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21,
"name": "no-gpu", "type": "custom" } ] }
```

Delete a self-hosted runner from an enterprise 🔗

Forces the removal of a self-hosted runner from an enterprise. You can use this endpoint to completely remove the runner when the machine you were using no longer exists.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "Delete a self-hosted runner from an enterprise"

Headers

accept string	

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

Path parameters

enterprise string Required	

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

runner_id integer Required	

Unique identifier of the self-hosted runner.

HTTP response status codes for "Delete a self-hosted runner from an enterprise"

Status code	Description
`204`	No Content

Code samples for "Delete a self-hosted runner from an enterprise"

DELETE `/enterprises/{enterprise}/actions/runners/{runner_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/enterprises/ENTERPRISE/actions/runners/RUNNER_ID
```

Response

```
Status: 204
```

List labels for a self-hosted runner for an enterprise 🔗

Lists all labels for a self-hosted runner configured in an enterprise.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "List labels for a self-hosted runner for an enterprise"

Headers

accept string

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

Path parameters

enterprise string Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

runner_id integer Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "List labels for a self-hosted runner for an enterprise"

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

Code samples for "List labels for a self-hosted runner for an enterprise"

`GET` `/enterprises/{enterprise}/actions/runners/{runner_id}/labels`

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/enterprises/ENTERPRISE/actions/runners/RUNNER_ID/labels
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Add custom labels to a self-hosted runner for an enterprise 🔗

Add custom labels to a self-hosted runner configured in an enterprise.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "Add custom labels to a self-hosted runner for an enterprise"

Headers

`accept` string	

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

Path parameters

`enterprise` string Required	

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

`runner_id` integer Required	

Unique identifier of the self-hosted runner.

Body parameters

`labels` array of strings Required	

The names of the custom labels to add to the runner.

HTTP response status codes for "Add custom labels to a self-hosted runner for an enterprise"

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

Code samples for "Add custom labels to a self-hosted runner for an enterprise"

POST `/enterprises/{enterprise}/actions/runners/{runner_id}/labels`

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/enterprises/ENTERPRISE/actions/runners/RUNNER_ID/labels \ -d '{"labels":["gpu","accelerated"]}'
```

Response

Example response   Response schema

```
Status: 200
```

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Set custom labels for a self-hosted runner for an enterprise 🔗

Remove all previous custom labels and set the new custom labels for a specific self-hosted runner configured in an enterprise.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "Set custom labels for a self-hosted runner for an enterprise"

Headers

`accept`   string

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

Path parameters

`enterprise`   string   Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

`runner_id`   integer   Required

Unique identifier of the self-hosted runner.

Body parameters

`labels`   array of strings   Required

The names of the custom labels to set for the runner. You can pass an empty array to remove all custom labels.

HTTP response status codes for "Set custom labels for a self-hosted runner for an enterprise"

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

Code samples for "Set custom labels for a self-hosted runner for an enterprise"

PUT `/enterprises/{enterprise}/actions/runners/{runner_id}/labels`

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/enterprises/ENTERPRISE/actions/runners/RUNNER_ID/labels \ -d '{"labels":["gpu","accelerated"]}'
```

Response

Example response Response schema

```
Status: 200
```

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Remove all custom labels from a self-hosted runner for an enterprise 🔗

Remove all custom labels from a self-hosted runner configured in an enterprise. Returns the remaining read-only labels from the runner.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "Remove all custom labels from a self-hosted runner for an enterprise"

Headers

`accept` string

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

Path parameters

`enterprise` string Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

`runner_id` integer Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "Remove all custom labels from a self-hosted runner for an enterprise"

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

Code samples for "Remove all custom labels from a self-hosted runner for an enterprise"

`DELETE` /enterprises/{enterprise}/actions/runners/{runner_id}/labels

```
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/enterprises/ENTERPRISE/actions/runners/RUNNER_ID/labels
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 3, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" } ] }
```

Remove a custom label from a self-hosted runner for an enterprise 🔗

Remove a custom label from a self-hosted runner configured in an enterprise. Returns the remaining labels from the
runner.

This endpoint returns a `404 Not Found` status if the custom label is not present on the runner.

You must authenticate using an access token with the `manage_runners:enterprise` scope to use this endpoint.

Parameters for "Remove a custom label from a self-hosted runner for an enterprise"

Headers

`accept` string

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

Path parameters

`enterprise` string   Required

The slug version of the enterprise name. You can also substitute this value with the enterprise id.

`runner_id` integer   Required

Unique identifier of the self-hosted runner.

`name` string   Required

The name of a self-hosted runner's custom label.

HTTP response status codes for "Remove a custom label from a self-hosted runner for an enterprise"

Status code	Description

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

Code samples for "Remove a custom label from a self-hosted runner for an enterprise"

`DELETE` `/enterprises/{enterprise}/actions/runners/{runner_id}/labels/{name}`

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/enterprises/ENTERPRISE/actions/runners/RUNNER_ID/labels/NAME
```

Response

Example response   Response schema

```
Status: 200
```

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

List self-hosted runners for an organization 🔗

✅ Works with [GitHub Apps](#)

Lists all self-hosted runners configured in an organization.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "List self-hosted runners 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.

Query parameters

name string

The name of a self-hosted runner.

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 self-hosted runners for an organization"

Status code	Description
`200`	OK

Code samples for "List self-hosted runners for an organization"

`GET` /orgs/{org}/actions/runners

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/orgs/ORG/actions/runners
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 2, "runners": [ { "id": 23, "name": "linux_runner", "os": "linux", "status": "online", "busy": true, "labels": [ {
"id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 11, "name": "Linux",
"type": "read-only" } ] }, { "id": 24, "name": "mac_runner", "os": "macos", "status": "offline", "busy": false, "labels": [ { "id":
5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS",
"type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] } ] }
```

List runner applications for an organization 🔗

✓ Works with [GitHub Apps](#)

Lists binaries for the runner application that you can download and run.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is

private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "List runner applications 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.

HTTP response status codes for "List runner applications for an organization"

Status code	Description
200	OK

Code samples for "List runner applications for an organization"

GET /orgs/{org}/actions/runners/downloads

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/orgs/ORG/actions/runners/downloads
```

Response

Example response   Response schema

Status: 200

```
[ { "os": "osx", "architecture": "x64", "download_url": "https://github.com/actions/runner/releases/download/v2.164.0/actions-runner-osx-x64-2.164.0.tar.gz", "filename": "actions-runner-osx-x64-2.164.0.tar.gz" }, { "os": "linux", "architecture": "x64", "download_url": "https://github.com/actions/runner/releases/download/v2.164.0/actions-runner-linux-x64-2.164.0.tar.gz", "filename": "actions-runner-linux-x64-2.164.0.tar.gz" }, { "os": "linux", "architecture": "arm", "download_url": "https://github.com/actions/runner/releases/download/v2.164.0/actions-runner-linux-arm-2.164.0.tar.gz", "filename": "actions-runner-linux-arm-2.164.0.tar.gz" }, { "os": "win", "architecture": "x64", "download_url":
```

Create configuration for a just-in-time runner for an organization 🔗

✓ Works with [GitHub Apps](#)

Generates a configuration that can be passed to the runner application at startup.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Create configuration for a just-in-time runner 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.

Body parameters

---

name string Required

The name of the new runner.

---

runner_group_id integer Required

The ID of the runner group to register the runner to.

---

labels array of strings Required

The names of the custom labels to add to the runner. **Minimum items**: 1. **Maximum items**: 100.

---

work_folder string

The working directory to be used for job execution, relative to the runner install directory.

Default: `_work`

HTTP response status codes for "Create configuration for a just-in-time runner for an organization"

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

Code samples for "Create configuration for a just-in-time runner for an organization"

> **POST** /orgs/{org}/actions/runners/generate-jitconfig

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/orgs/ORG/actions/runners/generate-jitconfig \ -d '{"name":"New
runner","runner_group_id":1,"labels":["self-hosted","X64","macOS","no-gpu"],"work_folder":"_work"}'
```

Response

Example response   Response schema

```
Status: 201
```

```json
{ "runner": { "id": 23, "name": "New runner", "os": "unknown", "status": "offline", "busy": false, "labels": [ { "id": 5, "name":
"self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-
only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }, "encoded_jit_config": "abc123" }
```

Create a registration token for an organization 🔗

✓ Works with [GitHub Apps](#)

Returns a token that you can pass to the `config` script. The token expires after one hour.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Example using registration token:

Configure your self-hosted runner, replacing `TOKEN` with the registration token provided by this endpoint.

```
./config.sh --url https://github.com/octo-org --token TOKEN
```

Parameters for "Create a registration token 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.

HTTP response status codes for "Create a registration token for an organization"

Status code	Description
`201`	Created

Code samples for "Create a registration token for an organization"

`POST` `/orgs/{org}/actions/runners/registration-token`

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/orgs/ORG/actions/runners/registration-token
```

Response

Example response	Response schema

Status: 201

```
{ "token": "LLBF3JGZDX3P5PMEXLND6TS6FCW06", "expires_at": "2020-01-22T12:13:35.123-08:00" }
```

Create a remove token for an organization ⌾

✓ Works with [GitHub Apps](#)

Returns a token that you can pass to the `config` script to remove a self-hosted runner from an organization. The token expires after one hour.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Example using remove token:

To remove your self-hosted runner from an organization, replace `TOKEN` with the remove token provided by this endpoint.

```
./config.sh remove --token TOKEN
```

Parameters for "Create a remove token 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.

HTTP response status codes for "Create a remove token for an organization"

Status code	Description
`201`	Created

Code samples for "Create a remove token for an organization"

`POST` /orgs/{org}/actions/runners/remove-token

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/orgs/ORG/actions/runners/remove-token
```

Response

Example response Response schema

Status: 201

```
{ "token": "AABF3JGZDX3P5PMEXLND6TS6FCWO6", "expires_at": "2020-01-29T12:13:35.123-08:00" }
```

Get a self-hosted runner for an organization ⌗

✔ Works with GitHub Apps

Gets a specific self-hosted runner configured in an organization.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Get a self-hosted runner 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.

runner_id integer Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "Get a self-hosted runner for an organization"

Status code	Description
200	OK

Code samples for "Get a self-hosted runner for an organization"

```
GET  /orgs/{org}/actions/runners/{runner_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"
\ https://api.github.com/orgs/ORG/actions/runners/RUNNER_ID
```

Response

Example response   Response schema

```
Status: 200
```

```
{ "id": 23, "name": "MBP", "os": "macos", "status": "online", "busy": true, "labels": [ { "id": 5, "name": "self-hosted", "type":
"read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21,
"name": "no-gpu", "type": "custom" } ] }
```

Delete a self-hosted runner from an organization 🔗

✅ Works with [GitHub Apps](#)

Forces the removal of a self-hosted runner from an organization. You can use this endpoint to completely remove the runner when the machine you were using no longer exists.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Delete a self-hosted runner from 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.

---

runner_id integer Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "Delete a self-hosted runner from an organization"

Status code	Description
`204`	No Content

Code samples for "Delete a self-hosted runner from an organization"

> **DELETE** `/orgs/{org}/actions/runners/{runner_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/orgs/ORG/actions/runners/RUNNER_ID
> ```

Response

```
Status: 204
```

List labels for a self-hosted runner for an organization 🔗

✅ Works with GitHub Apps

Lists all labels for a self-hosted runner configured in an organization.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "List labels for a self-hosted runner 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.

runner_id integer   Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "List labels for a self-hosted runner for an organization"

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

Code samples for "List labels for a self-hosted runner for an organization"

> **GET** `/orgs/{org}/actions/runners/{runner_id}/labels`

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/orgs/ORG/actions/runners/RUNNER_ID/labels
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Add custom labels to a self-hosted runner for an organization 🔗

✅ Works with GitHub Apps

Add custom labels to a self-hosted runner configured in an organization.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission

for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Add custom labels to a self-hosted runner 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.

`runner_id` integer Required	

Unique identifier of the self-hosted runner.

Body parameters

`labels` array of strings Required	

The names of the custom labels to add to the runner.

HTTP response status codes for "Add custom labels to a self-hosted runner for an organization"

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

Code samples for "Add custom labels to a self-hosted runner for an organization"

POST `/orgs/{org}/actions/runners/{runner_id}/labels`

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/orgs/ORG/actions/runners/RUNNER_ID/labels \ -d '{"labels":["gpu","accelerated"]}'
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Set custom labels for a self-hosted runner for an organization 🔗

✔ Works with [GitHub Apps](#)

Remove all previous custom labels and set the new custom labels for a specific self-hosted runner configured in an organization.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Set custom labels for a self-hosted runner 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.

`runner_id` integer   Required

Unique identifier of the self-hosted runner.

Body parameters

`labels` array of strings   Required

The names of the custom labels to set for the runner. You can pass an empty array to remove all custom labels.

HTTP response status codes for "Set custom labels for a self-hosted runner for an organization"

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

Code samples for "Set custom labels for a self-hosted runner for an organization"

PUT /orgs/{org}/actions/runners/{runner_id}/labels

```
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/orgs/ORG/actions/runners/RUNNER_ID/labels \ -d '{"labels":["gpu","accelerated"]}'
```

Response

Example response   Response schema

```
  Status: 200
```

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Remove all custom labels from a self-hosted runner for an organization 🔗

✓ Works with [GitHub Apps](#)

Remove all custom labels from a self-hosted runner configured in an organization. Returns the remaining read-only labels from the runner.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Remove all custom labels from a self-hosted runner 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.

runner_id integer   Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "Remove all custom labels from a self-hosted runner for an organization"

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

Code samples for "Remove all custom labels from a self-hosted runner for an organization"

`DELETE` `/orgs/{org}/actions/runners/{runner_id}/labels`

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/orgs/ORG/actions/runners/RUNNER_ID/labels
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 3, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" } ] }
```

Remove a custom label from a self-hosted runner for an organization 🔗

✓ Works with GitHub Apps

Remove a custom label from a self-hosted runner configured in an organization. Returns the remaining labels from the runner.

This endpoint returns a `404 Not Found` status if the custom label is not present on the runner.

You must authenticate using an access token with the `admin:org` scope to use this endpoint. If the repository is private, you must use an access token with the `repo` scope. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Remove a custom label from a self-hosted runner 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.

`runner_id` integer Required

Unique identifier of the self-hosted runner.

`name` string Required

The name of a self-hosted runner's custom label.

HTTP response status codes for "Remove a custom label from a self-hosted runner for an organization"

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

Code samples for "Remove a custom label from a self-hosted runner for an organization"

`DELETE` /orgs/{org}/actions/runners/{runner_id}/labels/{name}

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/orgs/ORG/actions/runners/RUNNER_ID/labels/NAME
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

List self-hosted runners for a repository 🔗

✔ Works with GitHub Apps

Lists all self-hosted runners configured in a repository.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the

`administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "List self-hosted runners for a repository"

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

`name` string

The name of a self-hosted runner.

`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 self-hosted runners for a repository"

Status code	Description
`200`	OK

Code samples for "List self-hosted runners for a repository"

GET `/repos/{owner}/{repo}/actions/runners`

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/actions/runners
```

Response

```
   Status: 200
```

```
{ "total_count": 2, "runners": [ { "id": 23, "name": "linux_runner", "os": "linux", "status": "online", "busy": true, "labels": [ {
"id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 11, "name": "Linux",
"type": "read-only" } ] }, { "id": 24, "name": "mac_runner", "os": "macos", "status": "offline", "busy": false, "labels": [ { "id":
5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS",
"type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] } ] }
```

List runner applications for a repository ⚯

✔ Works with [GitHub Apps](#)

Lists binaries for the runner application that you can download and run.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "List runner applications for a repository"

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.

HTTP response status codes for "List runner applications for a repository"

Status code	Description
200	OK

Code samples for "List runner applications for a repository"

GET	/repos/{owner}/{repo}/actions/runners/downloads

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/actions/runners/downloads
```

Response

Example response   Response schema

Status: 200

```
[ { "os": "osx", "architecture": "x64", "download_url": "https://github.com/actions/runner/releases/download/v2.164.0/actions-
runner-osx-x64-2.164.0.tar.gz", "filename": "actions-runner-osx-x64-2.164.0.tar.gz" }, { "os": "linux", "architecture": "x64",
"download_url": "https://github.com/actions/runner/releases/download/v2.164.0/actions-runner-linux-x64-2.164.0.tar.gz", "filename":
"actions-runner-linux-x64-2.164.0.tar.gz" }, { "os": "linux", "architecture": "arm", "download_url":
"https://github.com/actions/runner/releases/download/v2.164.0/actions-runner-linux-arm-2.164.0.tar.gz", "filename": "actions-
runner-linux-arm-2.164.0.tar.gz" }, { "os": "win", "architecture": "x64", "download_url":
```

Create configuration for a just-in-time runner for a repository 🔗

✅ Works with [GitHub Apps](#)

Generates a configuration that can be passed to the runner application at startup.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Create configuration for a just-in-time runner for a repository"

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.

Body parameters

name   string   Required

The name of the new runner.

runner_group_id   integer   Required

The ID of the runner group to register the runner to.

labels   array of strings   Required

The names of the custom labels to add to the runner. **Minimum items**: 1. **Maximum items**: 100.

The names of the custom labels to add to the runner. **Minimum items**: 1. **Maximum items**: 100.

`work_folder` string

The working directory to be used for job execution, relative to the runner install directory.

Default: `_work`

HTTP response status codes for "Create configuration for a just-in-time runner for a repository"

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

Code samples for "Create configuration for a just-in-time runner for a repository"

`POST` /repos/{owner}/{repo}/actions/runners/generate-jitconfig

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/actions/runners/generate-jitconfig \ -d '{"name":"New
runner","runner_group_id":1,"labels":["self-hosted","X64","macOS","no-gpu"],"work_folder":"_work"}'
```

Response

Example response   Response schema

Status: 201

```
{ "runner": { "id": 23, "name": "New runner", "os": "unknown", "status": "offline", "busy": false, "labels": [ { "id": 5, "name":
"self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-
only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }, "encoded_jit_config": "abc123" }
```

Create a registration token for a repository 🔗

✓ Works with [GitHub Apps](#)

Returns a token that you can pass to the `config` script. The token expires after one hour.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Example using registration token:

Configure your self-hosted runner, replacing `TOKEN` with the registration token provided by this endpoint.

```
config.sh --url https://github.com/octo-org/octo-repo-artifacts --token TOKEN
```

Parameters for "Create a registration token for a repository"

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.

HTTP response status codes for "Create a registration token for a repository"

Status code	Description
`201`	Created

Code samples for "Create a registration token for a repository"

POST /repos/{owner}/{repo}/actions/runners/registration-token

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/actions/runners/registration-token
```

Response

Example response   Response schema

```
Status: 201
```

```
{ "token": "LLBF3JGZDX3P5PMEXLND6TS6FCW06", "expires_at": "2020-01-22T12:13:35.123-08:00" }
```

Create a remove token for a repository 🔗

✅ Works with GitHub Apps

Returns a token that you can pass to remove a self-hosted runner from a repository. The token expires after one hour.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Example using remove token:

To remove your self-hosted runner from a repository, replace TOKEN with the remove token provided by this endpoint.

`config.sh remove --token TOKEN`

Parameters for "Create a remove token for a repository"

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.

HTTP response status codes for "Create a remove token for a repository"

Status code	Description
`201`	Created

Code samples for "Create a remove token for a repository"

POST /repos/{owner}/{repo}/actions/runners/remove-token

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/actions/runners/remove-token
```

Response

Example response   Response schema

Status: 201

```
{ "token": "AABF3JGZDX3P5PMEXLND6TS6FCW06", "expires_at": "2020-01-29T12:13:35.123-08:00" }
```

Get a self-hosted runner for a repository 🔗

✅ Works with [GitHub Apps](#)

Gets a specific self-hosted runner configured in a repository.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Get a self-hosted runner for a repository"

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.

`runner_id` integer Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "Get a self-hosted runner for a repository"

Status code	Description
`200`	OK

Code samples for "Get a self-hosted runner for a repository"

> GET `/repos/{owner}/{repo}/actions/runners/{runner_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"
\ https://api.github.com/repos/OWNER/REPO/actions/runners/RUNNER_ID
```

Response

Example response   Response schema

```
Status: 200
```

{ "id": 23, "name": "MBP", "os": "macos", "status": "online", "busy": true, "labels": [{ "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" }] }

Delete a self-hosted runner from a repository 🔗

✅ Works with [GitHub Apps](#)

Forces the removal of a self-hosted runner from a repository. You can use this endpoint to completely remove the runner when the machine you were using no longer exists.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Delete a self-hosted runner from a repository"

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.

runner_id integer   Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "Delete a self-hosted runner from a repository"

Status code	Description
204	No Content

Code samples for "Delete a self-hosted runner from a repository"

DELETE	/repos/{owner}/{repo}/actions/runners/{runner_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/actions/runners/RUNNER_ID
```

Response

```
Status: 204
```

List labels for a self-hosted runner for a repository 🔗

✓ Works with [GitHub Apps](#)

Lists all labels for a self-hosted runner configured in a repository.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "List labels for a self-hosted runner for a repository"

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.

`runner_id` integer   Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "List labels for a self-hosted runner for a repository"

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

Code samples for "List labels for a self-hosted runner for a repository"

```
GET   /repos/{owner}/{repo}/actions/runners/{runner_id}/labels
```

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/actions/runners/RUNNER_ID/labels
```

Response

Example response	Response schema

```
Status: 200
```

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Add custom labels to a self-hosted runner for a repository 🔗

✔ Works with [GitHub Apps](#)

Add custom labels to a self-hosted runner configured in a repository.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Add custom labels to a self-hosted runner for a repository"

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.

runner_id integer   Required

Unique identifier of the self-hosted runner.

Body parameters

`labels`   array of strings   Required

The names of the custom labels to add to the runner.

HTTP response status codes for "Add custom labels to a self-hosted runner for a repository"

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

Code samples for "Add custom labels to a self-hosted runner for a repository"

`POST` /repos/{owner}/{repo}/actions/runners/{runner_id}/labels

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/actions/runners/RUNNER_ID/labels \ -d '{"labels":["gpu","accelerated"]}'
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Set custom labels for a self-hosted runner for a repository 🔗

✓ Works with [GitHub Apps](#)

Remove all previous custom labels and set the new custom labels for a specific self-hosted runner configured in a repository.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Set custom labels for a self-hosted runner for a repository"

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.

`runner_id` integer Required

Unique identifier of the self-hosted runner.

Body parameters

`labels` array of strings Required

The names of the custom labels to set for the runner. You can pass an empty array to remove all custom labels.

HTTP response status codes for "Set custom labels for a self-hosted runner for a repository"

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

Code samples for "Set custom labels for a self-hosted runner for a repository"

PUT /repos/{owner}/{repo}/actions/runners/{runner_id}/labels

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/actions/runners/RUNNER_ID/labels \ -d '{"labels":["gpu","accelerated"]}'
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```

Remove all custom labels from a self-hosted runner for a repository 🔗

✔ Works with [GitHub Apps](#)

Remove all custom labels from a self-hosted runner configured in a repository. Returns the remaining read-only labels from the runner.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Remove all custom labels from a self-hosted runner for a repository"

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.

runner_id   integer   Required

Unique identifier of the self-hosted runner.

HTTP response status codes for "Remove all custom labels from a self-hosted runner for a repository"

Status code	Description
200	OK
404	Resource not found

Code samples for "Remove all custom labels from a self-hosted runner for a repository"

> DELETE   /repos/{owner}/{repo}/actions/runners/{runner_id}/labels

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/actions/runners/RUNNER_ID/labels
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 3, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" } ] }
```

Remove a custom label from a self-hosted runner for a repository 🔗

✅ Works with [GitHub Apps](#)

Remove a custom label from a self-hosted runner configured in a repository. Returns the remaining labels from the runner.

This endpoint returns a `404 Not Found` status if the custom label is not present on the runner.

You must authenticate using an access token with the `repo` scope to use this endpoint. GitHub Apps must have the `administration` permission for repositories and the `organization_self_hosted_runners` permission for organizations. Authenticated users must have admin access to repositories or organizations, or the `manage_runners:enterprise` scope for enterprises, to use these endpoints.

Parameters for "Remove a custom label from a self-hosted runner for a repository"

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.

runner_id   integer   Required

Unique identifier of the self-hosted runner.

name   string   Required

The name of a self-hosted runner's custom label.

HTTP response status codes for "Remove a custom label from a self-hosted runner for a repository"

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

Code samples for "Remove a custom label from a self-hosted runner for a repository"

`DELETE` /repos/{owner}/{repo}/actions/runners/{runner_id}/labels/{name}

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/actions/runners/RUNNER_ID/labels/NAME
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 4, "labels": [ { "id": 5, "name": "self-hosted", "type": "read-only" }, { "id": 7, "name": "X64", "type": "read-
only" }, { "id": 20, "name": "macOS", "type": "read-only" }, { "id": 21, "name": "no-gpu", "type": "custom" } ] }
```