

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

Team synchronization

Use the REST API to manage connections between GitHub Enterprise Cloud teams and external identity provider (IdP) groups.

About team synchronization

To use these endpoints, the authenticated user must be a team maintainer or an owner of the organization associated with the team. The token you use to authenticate will also need to be authorized for use with your IdP (SSO) provider. For more information, see "[Authorizing a personal access token for use with SAML single sign-on](#)."

You can manage GitHub Enterprise Cloud team members through your IdP with team synchronization. Team synchronization must be enabled to use these endpoints. For more information, see "[Managing team synchronization for your organization](#)."

Note: These endpoints cannot be used with Enterprise Managed Users. To learn more about managing an organization with managed users, see "[External groups](#)".

List IdP groups for an organization

✔ Works with [GitHub Apps](#)

Lists IdP groups available in an organization.

Parameters for "List IdP groups 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

per_page integer

The number of results per page (max 100).

Default: `30`

Default: `ab`

page string

Page token

q string

Filters the results to return only those that begin with the value specified by this parameter. For example, a value of `ab` will return results that begin with "ab".

HTTP response status codes for "List IdP groups for an organization"

Status code	Description
200	OK

Code samples for "List IdP groups for an organization"

GET /orgs/{org}/team-sync/groups

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/team-sync/groups
```

Response

Example response

Response schema

Status: 200

```
{ "groups": [ { "group_id": "123", "group_name": "Octocat admins", "group_description": "The people who configure your octoworld." }, { "group_id": "456", "group_name": "Octocat docs members", "group_description": "The people who make your octoworld come to life." } ] }
```

List IdP groups for a team [↗](#)

List IdP groups connected to a team on GitHub Enterprise Cloud.

Team synchronization is available for organizations using GitHub Enterprise Cloud. For more information, see [GitHub's products](#) in the GitHub Help documentation.

Note: You can also specify a team by `org_id` and `team_id` using the route `GET /organizations/{org_id}/team/{team_id}/team-sync/group-mappings`.

Parameters for "List IdP groups for a team"

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.

team_slug string **Required**

The slug of the team name.

HTTP response status codes for "List IdP groups for a team"

Status code	Description
200	OK

Code samples for "List IdP groups for a team"

GET /orgs/{org}/teams/{team_slug}/team-sync/group-mappings

cURLJavaScriptGitHub 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/teams/TEAM_SLUG/team-sync/group-mappings

Response

Example responseResponse schema

Status: 200

{ "groups": [{ "group_id": "123", "group_name": "Octocat admins", "group_description": "The people who configure your octoworld." }, { "group_id": "456", "group_name": "Octocat docs members", "group_description": "The people who make your octoworld come to life." }] }

Create or update IdP group connections

Creates, updates, or removes a connection between a team and an IdP group. When adding groups to a team, you must include all new and existing groups to avoid replacing existing groups with the new ones. Specifying an empty `groups` array will remove all connections for a team.

Team synchronization is available for organizations using GitHub Enterprise Cloud. For more information, see [GitHub's products](#) in the GitHub Help documentation.

Note: You can also specify a team by `org_id` and `team_id` using the route `PATCH`

/organizations/{org_id}/team/{team_id}/team-sync/group-mappings .

Parameters for "Create or update IdP group connections"

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.

team_slug string **Required**

The slug of the team name.

Body parameters

groups array of objects

The IdP groups you want to connect to a GitHub team. When updating, the new `groups` object will replace the original one. You must include any existing groups that you don't want to remove.

► Properties of `groups`

HTTP response status codes for "Create or update IdP group connections"

Status code	Description
200	OK

Code samples for "Create or update IdP group connections"

PATCH /orgs/{org}/teams/{team_slug}/team-sync/group-mappings

cURL

JavaScript

GitHub CLI

Copy icon

```
curl -L \ -X PATCH \ -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/teams/TEAM_SLUG/team-sync/group-mappings \ -d '{"groups": [{"group_id": "123", "group_name": "Octocat admins", "group_description": "string"}]}'
```

Response

Example response

Response schema

Status: 200

```
{ "groups": [ { "group_id": "123", "group_name": "Octocat admins", "group_description": "The people who configure your octoworld." }, { "group_id": "456", "group_name": "Octocat docs members", "group_description": "The people who make your octoworld come to life." } ] }
```

List IdP groups for a team (Legacy)

Deprecation Notice: This endpoint route is deprecated and will be removed from the Teams API. We recommend migrating your existing code to use the new `List IdP groups for a team` endpoint.

Team synchronization is available for organizations using GitHub Enterprise Cloud. For more information, see [GitHub's products](#) in the GitHub Help documentation.

List IdP groups connected to a team on GitHub Enterprise Cloud.

Parameters for "List IdP groups for a team (Legacy)"

Headers

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

Path parameters

`team_id` integer **Required**
The unique identifier of the team.

HTTP response status codes for "List IdP groups for a team (Legacy)"

Status code	Description
200	OK
403	Forbidden
404	Resource not found


Code samples for "List IdP groups for a team (Legacy)"

`GET` `/teams/{team_id}/team-sync/group-mappings`

`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/teams/TEAM_ID/team-sync/group-mappings
```

Response

`Example response`

`Response schema`

```
Status: 200
```

Status: 200

```
{ "groups": [ { "group_id": "123", "group_name": "Octocat admins", "group_description": "The people who configure your octoworld." }, { "group_id": "456", "group_name": "Octocat docs members", "group_description": "The people who make your octoworld come to life." } ] }
```

Create or update IdP group connections (Legacy)

Deprecation Notice: This endpoint route is deprecated and will be removed from the Teams API. We recommend migrating your existing code to use the new [Create or update IdP group connections](#) endpoint.

Team synchronization is available for organizations using GitHub Enterprise Cloud. For more information, see [GitHub's products](#) in the GitHub Help documentation.

Creates, updates, or removes a connection between a team and an IdP group. When adding groups to a team, you must include all new and existing groups to avoid replacing existing groups with the new ones. Specifying an empty `groups` array will remove all connections for a team.

Parameters for "Create or update IdP group connections (Legacy)"

Headers

`accept` string

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

Path parameters

`team_id` integer **Required**

The unique identifier of the team.

Body parameters

`groups` array of objects **Required**

The IdP groups you want to connect to a GitHub team. When updating, the new `groups` object will replace the original one. You must include any existing groups that you don't want to remove.

► Properties of `groups`

`synced_at` string

HTTP response status codes for "Create or update IdP group connections (Legacy)"

Status code	Description
200	OK
403	Forbidden
422	Validation failed, or the endpoint has been spammed.

Code samples for "Create or update IdP group connections (Legacy)"

PATCH

/teams/{team_id}/team-sync/group-mappings

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" \ https://api.github.com/teams/TEAM_ID/team-sync/group-mappings \ -d '{"groups":[{"group_id":"123","group_name":"Octocat admins","description":"The people who configure your octoworld.","group_description":"string"}]}'

Response

Example response

Response schema

Status: 200

{ "groups": [{ "group_id": "123", "group_name": "Octocat admins", "group_description": "The people who configure your octoworld." }] }

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