

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

Team members

Use the REST API to create and manage membership of teams in your GitHub Enterprise Cloud organization.

About team members

These endpoints are only available to authenticated members of the team's [organization](#). OAuth access tokens require the `read:org` [scope](#). GitHub generates the team's `slug` from the team `name`.

Note: When you have team synchronization set up for a team with your organization's identity provider (IdP), you will see an error if you attempt to use the API to make changes to the team's membership. If you have access to manage group membership in your IdP, you can manage GitHub team membership through your identity provider, which automatically adds and removes team members in an organization. For more information, see "[Managing team synchronization for your organization](#)."

List pending team invitations

✔ Works with [GitHub Apps](#)

The return hash contains a `role` field which refers to the Organization Invitation role and will be one of the following values: `direct_member`, `admin`, `billing_manager`, `hiring_manager`, or `reinstate`. If the invitee is not a GitHub Enterprise Cloud member, the `login` field in the return hash will be `null`.

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

Parameters for "List pending team invitations"

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.

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 pending team invitations"

Status code	Description
200	OK

Code samples for "List pending team invitations"

GET

/orgs/{org}/teams/{team_slug}/invitations

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/teams/TEAM_SLUG/invitations
```

Response

Example response

Response schema

Status: 200

```
[ { "id": 1, "login": "monalisa", "node_id": "MDQ6VXNlcjE=", "email": "octocat@github.com", "role": "direct_member", "created_at": "2016-11-30T06:46:10-08:00", "failed_at": "", "failed_reason": "", "inviter": { "login": "other_user", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/other_user_happy.gif", "gravatar_id": "", "url": "https://api.github.com/users/other_user", "html_url": "https://github.com/other_user", "followers_url": "https://api.github.com/users/other_user/followers", "following_url": "https://api.github.com/users/other_user/following{/other_user}", "gists_url":
```

List team members

✔ Works with [GitHub Apps](#)

Team members will include the members of child teams.

To list members in a team, the team must be visible to the authenticated user.

Parameters for "List team members"

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.

Query parameters

role string

Filters members returned by their role in the team.

Default: `all`

Can be one of: `member`, `maintainer`, `all`

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 team members"

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

Code samples for "List team members"

GET `/orgs/{org}/teams/{team_slug}/members`

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/teams/TEAM_SLUG/members
```

Response

Example response

Response schema

Status: 200

```
[ { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://api.github.com/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://api.github.com/users/octocat/followers", "following_url": "https://api.github.com/users/octocat/following{/other_user}", "gists_url": "https://api.github.com/users/octocat/gists{/gist_id}", "starred_url":
```

```
gists_url": "https://api.github.com/users/octocat/gists/{gist_id}", "starred_url":  
"https://api.github.com/users/octocat/starred{/owner}/{repo}", "subscriptions_url":  
"https://api.github.com/users/octocat/subscriptions", "organizations_url": "https://api.github.com/users/octocat/orgs",
```

Get team membership for a user [↗](#)

✔ Works with [GitHub Apps](#)

Team members will include the members of child teams.

To get a user's membership with a team, the team must be visible to the authenticated user.

Note: You can also specify a team by `org_id` and `team_id` using the route `GET /organizations/{org_id}/team/{team_id}/memberships/{username}`.

Note: The response contains the `state` of the membership and the member's `role`.

The `role` for organization owners is set to `maintainer`. For more information about `maintainer` roles, see [Create a team](#).

Parameters for "Get team membership for a user"

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.

username string **Required**
The handle for the GitHub user account.

HTTP response status codes for "Get team membership for a user"

Status code	Description
200	OK
404	if user has no team membership

Code samples for "Get team membership for a user"

GET

/orgs/{org}/teams/{team_slug}/memberships/{username}

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/teams/TEAM_SLUG/memberships/USERNAME
```

Response if user is a team maintainer

Example response

Response schema

Status: 200

```
{ "url": "https://api.github.com/teams/1/memberships/octocat", "role": "maintainer", "state": "active" }
```

Add or update team membership for a user

✔ Works with [GitHub Apps](#)

Adds an organization member to a team. An authenticated organization owner or team maintainer can add organization members to 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: When you have team synchronization set up for a team with your organization's identity provider (IdP), you will see an error if you attempt to use the API for making changes to the team's membership. If you have access to manage group membership in your IdP, you can manage GitHub Enterprise Cloud team membership through your identity provider, which automatically adds and removes team members in an organization. For more information, see "[Synchronizing teams between your identity provider and GitHub Enterprise Cloud](#)."

An organization owner can add someone who is not part of the team's organization to a team. When an organization owner adds someone to a team who is not an organization member, this endpoint will send an invitation to the person via email. This newly-created membership will be in the "pending" state until the person accepts the invitation, at which point the membership will transition to the "active" state and the user will be added as a member of the team.

If the user is already a member of the team, this endpoint will update the role of the team member's role. To update the membership of a team member, the authenticated user must be an organization owner or a team maintainer.

Note: You can also specify a team by `org_id` and `team_id` using the route `PUT /organizations/{org_id}/team/{team_id}/memberships/{username}`.

Parameters for "Add or update team membership for a user"

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.

The organization name. The name is not case sensitive.

team_slug string **Required**

The slug of the team name.

username string **Required**

The handle for the GitHub user account.

Body parameters

role string

The role that this user should have in the team.

Default: `member`

Can be one of: `member` , `maintainer`

HTTP response status codes for "Add or update team membership for a user"

Status code	Description
200	OK
403	Forbidden if team synchronization is set up
422	Unprocessable Entity if you attempt to add an organization to a team

Code samples for "Add or update team membership for a user"

PUT /orgs/{org}/teams/{team_slug}/memberships/{username}

cURLJavaScriptGitHub 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/orgs/ORG/teams/TEAM_SLUG/memberships/USERNAME \ -d '{"role":"maintainer"}'
```

Response if user's membership with team is now pending

Example responseResponse schema

Status: 200

```
{ "url": "https://api.github.com/teams/1/memberships/octocat", "role": "member", "state": "pending" }
```

Remove team membership for a user

To remove a membership between a user and a team, the authenticated user must have 'admin' permissions to the team or be an owner of the organization that the team is associated with. Removing team membership does not delete the user, it just removes their membership from the team.

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

Note: When you have team synchronization set up for a team with your organization's identity provider (IdP), you will see an error if you attempt to use the API for making changes to the team's membership. If you have access to manage group membership in your IdP, you can manage GitHub Enterprise Cloud team membership through your identity provider, which automatically adds and removes team members in an organization. For more information, see "[Synchronizing teams between your identity provider and GitHub Enterprise Cloud](#)."

Note: You can also specify a team by `org_id` and `team_id` using the route `DELETE /organizations/{org_id}/team/{team_id}/memberships/{username}`.

Parameters for "Remove team membership for a user"

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.

`username` string **Required**
The handle for the GitHub user account.

HTTP response status codes for "Remove team membership for a user"

Status code	Description
204	No Content
403	Forbidden if team synchronization is set up

Code samples for "Remove team membership for a user"

`DELETE` `/orgs/{org}/teams/{team_slug}/memberships/{username}`

`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/teams/TEAM_SLUG/memberships/USERNAME
```

Response

Status: 204

List pending team invitations (Legacy)

Works with GitHub Apps

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 pending team invitations` endpoint.

The return hash contains a `role` field which refers to the Organization Invitation role and will be one of the following values: `direct_member`, `admin`, `billing_manager`, `hiring_manager`, or `reinstate`. If the invitee is not a GitHub Enterprise Cloud member, the `login` field in the return hash will be `null`.

Parameters for "List pending team invitations (Legacy)"

Headers

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

Path parameters

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

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 pending team invitations (Legacy)"

Status code	Description
200	OK

Code samples for "List pending team invitations (Legacy)"

GET /teams/{team_id}/invitations

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"


```
curl -X POST https://api.github.com/teams/TEAM_ID/invitations \
  https://api.github.com/teams/TEAM_ID/invitations
```

Response

Example responseResponse schema

Status: 200

[{ "id": 1, "login": "monalisa", "node_id": "MDQ6VXNlcjE=", "email": "octocat@github.com", "role": "direct_member", "created_at": "2016-11-30T06:46:10-08:00", "failed_at": "", "failed_reason": "", "inviter": { "login": "other_user", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/other_user_happy.gif", "gravatar_id": "", "url": "https://api.github.com/users/other_user", "html_url": "https://github.com/other_user", "followers_url": "https://api.github.com/users/other_user/followers", "following_url": "https://api.github.com/users/other_user/following{/other_user}", "gists_url":

List team members (Legacy)

✔ Works with [GitHub Apps](#)

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 team members](#) endpoint.

Team members will include the members of child teams.

Parameters for "List team members (Legacy)"

Headers

accept string

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

Path parameters

team_id integer **Required**

The unique identifier of the team.

Query parameters

role string

Filters members returned by their role in the team.

Default: `all`

Can be one of: `member`, `maintainer`, `all`

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 team members (Legacy)"

Status code	Description
200	OK
404	Resource not found

Code samples for "List team members (Legacy)"

GET

/teams/{team_id}/members

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/members
```

Response

Example response

Response schema

Status: 200

```
[ { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://api.github.com/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://api.github.com/users/octocat/followers", "following_url": "https://api.github.com/users/octocat/following{/other_user}", "gists_url": "https://api.github.com/users/octocat/gists{/gist_id}", "starred_url": "https://api.github.com/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://api.github.com/users/octocat/subscriptions", "organizations_url": "https://api.github.com/users/octocat/orgs",
```

Get team member (Legacy)

✔ Works with [GitHub Apps](#)

The "Get team member" endpoint (described below) is deprecated.

We recommend using the [Get team membership for a user](#) endpoint instead. It allows you to get both active and pending memberships.

To list members in a team, the team must be visible to the authenticated user.

Parameters for "Get team member (Legacy)"

Headers

accept

string

Setting to

application/vnd.github+json

is recommended.

Path parameters

team_id integer **Required**

The unique identifier of the team.

username string **Required**

The handle for the GitHub user account.

HTTP response status codes for "Get team member (Legacy)"

Status code	Description
204	if user is a member
404	if user is not a member

Code samples for "Get team member (Legacy)"

GET

/teams/{team_id}/members/{username}

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/members/USERNAME
```

if user is a member

Status: 204

Add team member (Legacy)

✔ Works with [GitHub Apps](#)

The "Add team member" endpoint (described below) is deprecated.

We recommend using the [Add or update team membership for a user](#) endpoint instead. It allows you to invite new organization members to your teams.

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

To add someone to a team, the authenticated user must be an organization owner or a team maintainer in the team they're changing. The person being added to the team must be a member of the team's organization.

Note: When you have team synchronization set up for a team with your organization's identity provider (IdP), you will see an error if you attempt to use the API for making changes to the team's membership. If you have access to manage group membership in your IdP, you can manage GitHub Enterprise Cloud team membership through your identity provider, which automatically adds and removes team members in an organization. For more information, see "[Synchronizing teams between your identity provider and GitHub Enterprise Cloud](#)."

Note that you'll need to set `Content-Length` to zero when calling out to this endpoint. For more information, see "[HTTP verbs](#)."

Parameters for "Add team member (Legacy)"

Headers

accept string

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

Path parameters

team_id integer **Required**

The unique identifier of the team.

username string **Required**

The handle for the GitHub user account.

HTTP response status codes for "Add team member (Legacy)"

Status code	Description
204	No Content
403	Forbidden
404	Not Found if team synchronization is set up
422	Unprocessable Entity if you attempt to add an organization to a team or you attempt to add a user to a team when they are not a member of at least one other team in the same organization

Code samples for "Add team member (Legacy)"


PUT

`/teams/{team_id}/members/{username}`

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/teams/TEAM_ID/members/USERNAME
```

Response

Status: 204

Remove team member (Legacy)

The "Remove team member" endpoint (described below) is deprecated.

We recommend using the [Remove team membership for a user](#) endpoint instead. It allows you to remove both active and pending memberships.

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

To remove a team member, the authenticated user must have 'admin' permissions to the team or be an owner of the org that the team is associated with. Removing a team member does not delete the user, it just removes them from the team.

Note: When you have team synchronization set up for a team with your organization's identity provider (IdP), you will see an error if you attempt to use the API for making changes to the team's membership. If you have access to manage group membership in your IdP, you can manage GitHub Enterprise Cloud team membership through your identity provider, which automatically adds and removes team members in an organization. For more information, see "[Synchronizing teams between your identity provider and GitHub Enterprise Cloud](#)."

Parameters for "Remove team member (Legacy)"

Headers

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

Path parameters

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

username string **Required**
The handle for the GitHub user account.

HTTP response status codes for "Remove team member (Legacy)"

Status code	Description
204	No Content
404	Not Found if team synchronization is setup

Code samples for "Remove team member (Legacy)"

DELETE /teams/{team_id}/members/{username}

cURLJavaScriptGitHub CLI

```
curl -L \ -X DELETE \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-API-Version: 2022-11-28" \ https://api.github.com/teams/TEAM_ID/members/USERNAME
```

Response

Get team membership for a user (Legacy)

✔ Works with [GitHub Apps](#)

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 [Get team membership for a user](#) endpoint.

Team members will include the members of child teams.

To get a user's membership with a team, the team must be visible to the authenticated user.

Note: The response contains the `state` of the membership and the member's `role`.

The `role` for organization owners is set to `maintainer`. For more information about `maintainer` roles, see [Create a team](#).

Parameters for "Get team membership for a user (Legacy)"

Headers

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

Path parameters

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

`username` string **Required**
The handle for the GitHub user account.

HTTP response status codes for "Get team membership for a user (Legacy)"

Status code	Description
200	OK
404	Resource not found

Code samples for "Get team membership for a user (Legacy)"

GET

/teams/{team_id}/memberships/{username}

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/memberships/USERNAME
```

Response if user is a team maintainer

Example response

Response schema

Status: 200

```
{ "url": "https://api.github.com/teams/1/memberships/octocat", "role": "maintainer", "state": "active" }
```

Add or update team membership for a user (Legacy)

✔ Works with [GitHub Apps](#)

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 [Add or update team membership for a user](#) endpoint.

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

If the user is already a member of the team's organization, this endpoint will add the user to the team. To add a membership between an organization member and a team, the authenticated user must be an organization owner or a team maintainer.

Note: When you have team synchronization set up for a team with your organization's identity provider (IdP), you will see an error if you attempt to use the API for making changes to the team's membership. If you have access to manage group membership in your IdP, you can manage GitHub Enterprise Cloud team membership through your identity provider, which automatically adds and removes team members in an organization. For more information, see "[Synchronizing teams between your identity provider and GitHub Enterprise Cloud](#)."

If the user is unaffiliated with the team's organization, this endpoint will send an invitation to the user via email. This newly-created membership will be in the "pending" state until the user accepts the invitation, at which point the membership will transition to the "active" state and the user will be added as a member of the team. To add a membership between an unaffiliated user and a team, the authenticated user must be an organization owner.

If the user is already a member of the team, this endpoint will update the role of the team member's role. To update the membership of a team member, the authenticated user must be an organization owner or a team maintainer.

Parameters for "Add or update team membership for a user (Legacy)"

Headers

accept string

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

Path parameters

team_id integer **Required**

The unique identifier of the team.

username string **Required**

The handle for the GitHub user account.

Body parameters

role string

The role that this user should have in the team.

Default: `member`

Can be one of: `member`, `maintainer`

HTTP response status codes for "Add or update team membership for a user (Legacy)"

Status code	Description
200	OK
403	Forbidden if team synchronization is set up
404	Resource not found
422	Unprocessable Entity if you attempt to add an organization to a team

Code samples for "Add or update team membership for a user (Legacy)"

PUT

/teams/{team_id}/memberships/{username}

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/teams/TEAM_ID/memberships/USERNAME \ -d '{"role":"member"}'
```

Response if user's membership with team is now pending

Example response

Response schema

Status: 200

```
{ "url": "https://api.github.com/teams/1/memberships/octocat", "role": "member", "state": "pending" }
```

Remove team membership for a user (Legacy)

Works with [GitHub Apps](#)

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 [Remove team membership for a user](#) endpoint.

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

To remove a membership between a user and a team, the authenticated user must have 'admin' permissions to the team or be an owner of the organization that the team is associated with. Removing team membership does not delete the user, it just removes their membership from the team.

Note: When you have team synchronization set up for a team with your organization's identity provider (IdP), you will see an error if you attempt to use the API for making changes to the team's membership. If you have access to manage group membership in your IdP, you can manage GitHub Enterprise Cloud team membership through your identity provider, which automatically adds and removes team members in an organization. For more information, see "[Synchronizing teams between your identity provider and GitHub Enterprise Cloud](#)."

Parameters for "Remove team membership for a user (Legacy)"

Headers

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

Path parameters

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

username string **Required**
The handle for the GitHub user account.

HTTP response status codes for "Remove team membership for a user (Legacy)"

Status code	Description
204	No Content
403	if team synchronization is set up

Code samples for "Remove team membership for a user (Legacy)"

DELETE

`/teams/{team_id}/memberships/{username}`

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/teams/TEAM_ID/memberships/USERNAME
```

Response

Status: 204

Legal