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

# **Team members**

REST API / Teams / Members

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

# About team members @

These endpoints are only available to authenticated members of the team's <u>organization</u>. OAuth access tokens require the read:org <u>scope</u>. 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 team members @

Works with <u>GitHub Apps</u>

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.

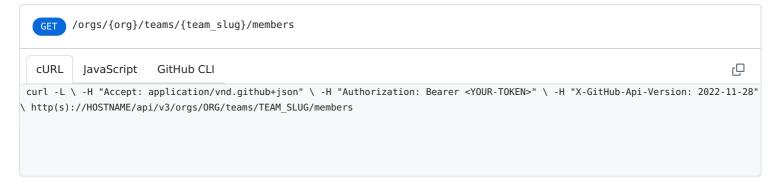
Default: 1

## HTTP response status codes for "List team members"

Status code Description

200 OK

# Code samples for "List team 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://HOSTNAME/users/octocat", "html\_url": "https://github.com/octocat", "followers\_url": "https://HOSTNAME/users/octocat/followers", "following\_url": "https://HOSTNAME/users/octocat/following{/other\_user}", "gists\_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions\_url": "https://HOSTNAME/users/octocat/orgs", "repos\_url": "https://HOSTNAME/users/octocat/repos", "events\_url": "https://HOSTNAME/users/octocat/events{/privacy}", "repos\_url": "https://HOSTNAME/users/octoca

# **Get team membership for a user** *₽*

# Works with <u>GitHub Apps</u>

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\_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 <u>Create a team</u>.

## 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"



## Response if user is a team maintainer

```
Example response Response schema

Status: 200

{ "url": "https://HOSTNAME/teams/1/memberships/octocat", "role": "maintainer", "state": "active" }
```

# Add or update team membership for a user &

Works with <u>GitHub Apps</u>

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 <u>GitHub's products</u> 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 Server 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 Server."

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.

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

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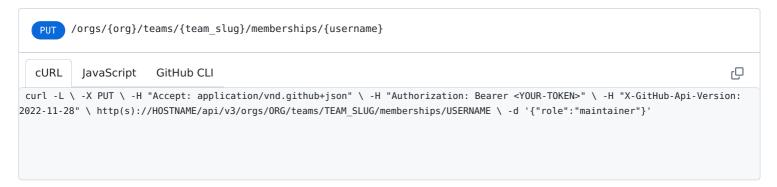
Default: member

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"



## Response if user's membership with team is now pending

```
Example response Response schema

Status: 200

{ "url": "https://HOSTNAME/teams/1/memberships/octocat", "role": "member", "state": "pending" }
```

# Remove team membership for a user &

## Works with GitHub Apps

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 <u>GitHub's products</u> 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 Server 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 Server."

**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.

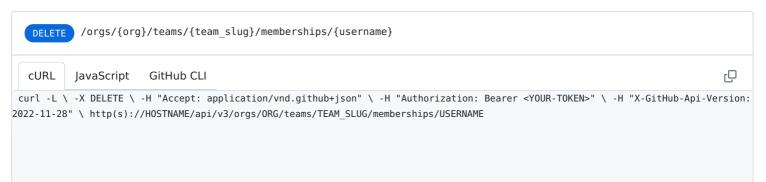
username string Required

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"



## Response

Status: 204

# List team members (Legacy) ∂

Works with <u>GitHub Apps</u>

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 <u>List team members</u> 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	ОК
404	Resource not found

## Code samples for "List team members (Legacy)"



```
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://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/followers", "following_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url": "https://HOSTNAME/users/octocat/gists{/gist_id}", "starred_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/octocat/orgs", "repos url": "https://HOSTNAME/users/octocat/repos", "events url": "https://HOSTNAME/users/octocat/events{/privacy}", "Tepos url": "https://HOSTNAME/users/octoc
```

# **Get team member (Legacy)** *∂*

## Works with <u>GitHub Apps</u>

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

We recommend using the <u>Get team membership for a user</u> 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.

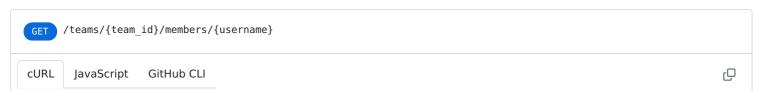
username string Required

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)"



curl -L \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version: 2022-11-28" \ http(s)://HOSTNAME/api/v3/teams/TEAM\_ID/members/USERNAME

#### if user is a member

Status: 204

# Add team member (Legacy) @

Works with <u>GitHub Apps</u>

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

We recommend using the <u>Add or update team membership for a user</u> 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 <u>GitHub's</u> <u>products</u> 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 Server 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 Server."

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

The handle for the ordinal aper accounts

## 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)"



## Response

Status: 204

# Remove team member (Legacy) @

### Works with <u>GitHub Apps</u>

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

We recommend using the <u>Remove team membership for a user</u> 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 <u>GitHub's products</u> 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 Server 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 Server."

### 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)"



# Response

Status: 204

# Get team membership for a user (Legacy) ₽

## Works with <u>GitHub Apps</u>

**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 <u>Get team membership for a user</u> 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 <u>Create a team</u>.

## 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)"



### Response if user is a team maintainer

Example response Response schema

Status: 200

{ "url": "https://HOSTNAME/teams/1/memberships/octocat", "role": "maintainer", "state": "active" }

# Add or update team membership for a user (Legacy) @

# Works with <u>GitHub Apps</u>

**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 <u>Add or update team membership for a user</u> endpoint.

Team synchronization is available for organizations using GitHub Enterprise Cloud. For more information, see <u>GitHub's products</u> 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 Server 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 Server."

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

404	Resource not found
422	Unprocessable Entity if you attempt to add an organization to a

# 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" \ http(s)://HOSTNAME/api/v3/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://HOSTNAME/teams/1/memberships/octocat", "role": "member", "state": "pending" }
```

# Remove team membership for a user (Legacy) *∂*

Works with <u>GitHub Apps</u>

**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 <u>Remove team membership for a user</u> endpoint.

Team synchronization is available for organizations using GitHub Enterprise Cloud. For more information, see <u>GitHub's</u> <u>products</u> 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 Server 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 Server."

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

#### Headers

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)"



# Response

Status: 204

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