



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

Notifications

GitHub Docs

Use the REST API to manage GitHub Enterprise Server notifications.

About GitHub Enterprise Server notifications $\mathscr P$

These endpoints only support authentication using a personal access token (classic). For more information, see "Managing your personal access tokens."

You can use the REST API to manage GitHub Enterprise Server notifications. For more information about notifications, see "About notifications."

All calls to these endpoints require the notifications or repo scopes. You will need the repo scope to access issues and commits from their respective endpoints.

Notifications are returned as "threads". A thread contains information about the current discussion of an issue, pull request, or commit.

Notifications are optimized for polling with the Last-Modified header. If there are no new notifications, you will see a 304 Not Modified response, leaving your current rate limit untouched. There is an X-Poll-Interval header that specifies how often (in seconds) you are allowed to poll. In times of high server load, the time may increase. Please obey the header.

```
# Add authentication to your requests
$ curl -I http(s)://<em>HOSTNAME</em>/api/v3/notifications
HTTP/2 200
Last-Modified: Thu, 25 Oct 2012 15:16:27 GMT
X-Poll-Interval: 60

# Pass the Last-Modified header exactly
$ curl -I http(s)://<em>HOSTNAME</em>/api/v3/notifications
$ -H "If-Modified-Since: Thu, 25 Oct 2012 15:16:27 GMT"
> HTTP/2 304
> X-Poll-Interval: 60
```

About notification reasons &

These GET endpoints return a reason key. These reason's correspond to events that trigger a notification.

There are a few potential reason's for receiving a notification.

Reason Name	Description
assign	You were assigned to the issue.
author	You created the thread.
comment	You commented on the thread.
ci_activity	A GitHub Actions workflow run that you triggered was completed.

invitation	You accepted an invitation to contribute to the repository.
manual	You subscribed to the thread (via an issue or pull request).
mention	You were specifically @mentioned in the content.
review_requested	You, or a team you're a member of, were requested to review a pull request.
state_change	You changed the thread state (for example, closing an issue or merging a pull request).
subscribed	You're watching the repository.
team_mention	You were on a team that was mentioned.

Note that the reason is modified on a per-thread basis, and can change, if the reason on a later notification is different.

For example, if you are the author of an issue, subsequent notifications on that issue will have a reason of author. If you're then @mentioned on the same issue, the notifications you fetch thereafter will have a reason of mention. The reason remains as mention, regardless of whether you're ever mentioned again.

List notifications for the authenticated user @

List all notifications for the current user, sorted by most recently updated.

Parameters for "List notifications for the authenticated user"

Headers

accept string

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

Query parameters

all boolean

If true, show notifications marked as read.

Default: false

participating boolean

If true, only shows notifications in which the user is directly participating or mentioned.

Default: false

since string

Only show results that were last updated after the given time. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ.

before string

Only show notifications updated before the given time. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ.

page integer

Page number of the results to fetch.

rage number of the results to retern

Default: 1

per_page integer

The number of results per page (max 50).

Default: 50

HTTP response status codes for "List notifications for the authenticated user"

Status code	Description
200	ОК
304	Not modified
401	Requires authentication
403	Forbidden
422	Validation failed, or the endpoint has been spammed.

Code samples for "List notifications for the authenticated user"



Response

```
Example response Response schema

Status: 200

[ { "id": "1", "repository": { "id": 1296269, "node_id": "MDEwOlJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "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/following_url": "https://HOSTNAME/users/octocat/gists{/gist_id}", "starred_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "*
```

Mark notifications as read ₽

Marks all notifications as "read" for the current user. If the number of notifications is too large to complete in one request, you will receive a 202 Accepted status and GitHub Enterprise Server will run an asynchronous process to mark notifications as "read." To check whether any "unread" notifications remain, you can use the <u>List notifications for the authenticated user</u> endpoint and pass the query parameter all=false.

Headers

accept string

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

Body parameters

last_read_at string

Describes the last point that notifications were checked. Anything updated since this time will not be marked as read. If you omit this parameter, all notifications are marked as read. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH: MM: SSZ . Default: The current timestamp.

read boolean

Whether the notification has been read.

HTTP response status codes for "Mark notifications as read"

Status code	Description
202	Accepted
205	Reset Content
304	Not modified
401	Requires authentication
403	Forbidden

Code samples for "Mark notifications as read"



Response

Example response Response schema

Status: 202

{ "message": "Unread notifications couldn't be marked in a single request. Notifications are being marked as read in the background." }

Get a thread @

Gets information about a notification thread.

Parameters for "Get a thread"

Headers

accept string

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

Path parameters

thread_id integer Required

The unique identifier of the notification thread. This corresponds to the value returned in the <code>id</code> field when you retrieve notifications (for example with the <code>GET /notifications</code> operation).

HTTP response status codes for "Get a thread"

Status code	Description
200	ОК
304	Not modified
401	Requires authentication
403	Forbidden

Code samples for "Get a thread"



Response

```
Example response Response schema

Status: 200

{ "id": "1", "repository": { "id": 1296269, "node_id": "MDEwOlJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "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/gists{/gist_id}", "starred_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url": "
```

Mark a thread as read @

Marks a thread as "read." Marking a thread as "read" is equivalent to clicking a notification in your notification inbox on GitHub Enterprise Server: https://github.com/notifications.

Parameters for "Mark a thread as read"

Headers

accept string

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

Path parameters

thread_id integer Required

The unique identifier of the notification thread. This corresponds to the value returned in the <code>id</code> field when you retrieve notifications (for example with the <code>GET /notifications operation</code>).

HTTP response status codes for "Mark a thread as read"

Status code	Description
205	Reset Content
304	Not modified
403	Forbidden

Code samples for "Mark a thread as read"



Reset Content

Status: 205

Get a thread subscription for the authenticated user &

This checks to see if the current user is subscribed to a thread. You can also get a repository subscription.

Note that subscriptions are only generated if a user is participating in a conversation--for example, they've replied to the thread, were **@mentioned**, or manually subscribe to a thread.

Parameters for "Get a thread subscription for the authenticated user"

Headers

accept string

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

Path parameters

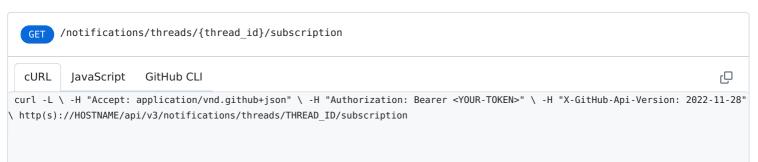
thread id integer Required

The unique identifier of the notification thread. This corresponds to the value returned in the <code>id</code> field when you retrieve notifications (for example with the <code>GET_/notifications_operation</code>).

HTTP response status codes for "Get a thread subscription for the authenticated user"

Status code	Description
200	OK
304	Not modified
401	Requires authentication
403	Forbidden

Code samples for "Get a thread subscription for the authenticated user"



Response

```
Example response Response schema

Status: 200

{ "subscribed": true, "ignored": false, "reason": null, "created_at": "2012-10-06T21:34:12Z", "url": "https://HOSTNAME/notifications/threads/1/subscription", "thread_url": "https://HOSTNAME/notifications/threads/1" }
```

Set a thread subscription ∂

If you are watching a repository, you receive notifications for all threads by default. Use this endpoint to ignore future notifications for threads until you comment on the thread or get an @mention.

You can also use this endpoint to subscribe to threads that you are currently not receiving notifications for or to subscribed to threads that you have previously ignored.

Unsubscribing from a conversation in a repository that you are not watching is functionally equivalent to the Delete a thread subscription endpoint.

Parameters for "Set a thread subscription"

Headers

accept string

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

Path parameters

thread_id integer Required

The unique identifier of the notification thread. This corresponds to the value returned in the id field when you retrieve notifications (for example with the GET /notifications operation).

Body parameters

ignored boolean

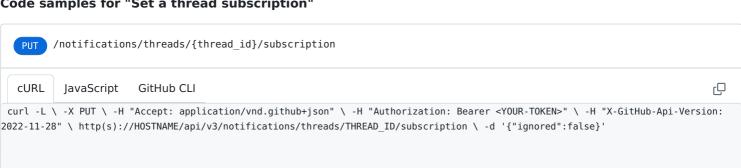
Whether to block all notifications from a thread.

Default: false

HTTP response status codes for "Set a thread subscription"

Status code	Description
200	ОК
304	Not modified
401	Requires authentication
403	Forbidden

Code samples for "Set a thread subscription"



Response

```
Example response Response schema

Status: 200

{ "subscribed": true, "ignored": false, "reason": null, "created_at": "2012-10-06T21:34:12Z", "url": "https://HOSTNAME/notifications/threads/1/subscription", "thread_url": "https://HOSTNAME/notifications/threads/1" }
```

Delete a thread subscription &

Mutes all future notifications for a conversation until you comment on the thread or get an @mention. If you are watching the repository of the thread, you will still receive notifications. To ignore future notifications for a repository you are watching, use the <u>Set a thread subscription</u> endpoint and set ignore to true.

Parameters for "Delete a thread subscription"

Headers

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

Path parameters

thread_id integer Required

The unique identifier of the notification thread. This corresponds to the value returned in the <code>id</code> field when you retrieve notifications (for example with the <code>GET /notifications operation</code>).

HTTP response status codes for "Delete a thread subscription"

Status code	Description
204	No Content
304	Not modified
401	Requires authentication
403	Forbidden

Code samples for "Delete a thread subscription"





Response

Status: 204

List repository notifications for the authenticated user &

Lists all notifications for the current user in the specified repository.

Parameters for "List repository notifications for the authenticated user"

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

all boolean

If true, show notifications marked as read.

Default: false

participating boolean

If $\ensuremath{\mathsf{true}}$, only shows notifications in which the user is directly participating or mentioned.

Default: false

since string

Only show results that were last updated after the given time. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH:MM:SSZ .

before string

Only show notifications updated before the given time. This is a timestamp in $\underline{\mathsf{ISO}\ 8601}$ format: $\underline{\mathsf{YYYY-MM-DDTHH:MM:SSZ}}$.

per_page integer

The number of results per page (max 100).

the number of results per page (max 200).

Default: 30

page integer

Page number of the results to fetch.

Default: 1

HTTP response status codes for "List repository notifications for the authenticated user"

Status code Description

200 OK

Code samples for "List repository notifications for the authenticated user"



Response

```
Example response Response schema

Status: 200

[ { "id": "1", "repository": { "id": 1296269, "node_id": "MDEw0lJlcG9zaXRvcnkxMjk2MjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "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/starred/yellowers/", "subscriptions_url": "https://HOSTNAME/users/octocat/starred/yellowers/", "subscriptions_url": "https://HOSTNAME/users/octocat/starred/yellowers/", "subscriptions_url": "https://H
```

Mark repository notifications as read ∂

Marks all notifications in a repository as "read" for the current user. If the number of notifications is too large to complete in one request, you will receive a 202 Accepted status and GitHub Enterprise Server will run an asynchronous process to mark notifications as "read." To check whether any "unread" notifications remain, you can use the <u>List repository notifications for the authenticated user</u> endpoint and pass the query parameter all=false.

Parameters for "Mark repository notifications as read"

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

last read at string

Describes the last point that notifications were checked. Anything updated since this time will not be marked as read. If you omit this parameter, all notifications are marked as read. This is a timestamp in ISO 8601 format: YYYY-MM-DDTHH: MM: SSZ . Default: The current timestamp.

HTTP response status codes for "Mark repository notifications as read"

Status code	Description
202	Accepted
205	Reset Content

Code samples for "Mark repository notifications as read"



Response

Example response Response schema

Status: 202

{ "message": "Unread notifications couldn't be marked in a single request. Notifications are being marked as read in the background." }

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