



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

GitHub Apps

Use the REST API to interact with GitHub Apps

About GitHub Apps @

This page lists endpoints that you can access while authenticated as a GitHub App. For more information, see "Authenticating as a GitHub App".

See "Apps" for a list of endpoints that require authentication as a GitHub App installation.

Get the authenticated app &

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Returns the GitHub App associated with the authentication credentials used. To see how many app installations are associated with this GitHub App, see the installations_count in the response. For more details about your app's installations, see the "List installations for the authenticated app" endpoint.

You must use a JWT to access this endpoint.

HTTP response status codes for "Get the authenticated app"

Status code	Description
200	ОК

Code samples for "Get the authenticated app"



Response

Example response	Response schema	
Status: 200		
{ "id": 1, "slug": "od	ctoapp", "node_id": "MDExOkludGVncmF0aW9uMQ==", "owner": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url":	
"https://github.com/ima	ages/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat", "html_url": "https://github.com/octocat",	
"followers_url": "https	s://HOSTNAME/users/octocat/followers", "following_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url":	
"https://HOSTNAME/users	s/octocat/gists{/gist_id}", "starred_url": "https://HOSTNAME/users/octocat/starred{/owner}{/repo}", "subscriptions_url":	
"https://HOSTNAME/users	s/octocat/subscriptions", "organizations_url": "https://HOSTNAME/users/octocat/orgs", "repos_url": "https://HOSTNAME/users/octocat/repos",	
"events_url": "https://	/HOSTNAME/users/octocat/events{/privacy}", "received_events_url": "https://HOSTNAME/users/octocat/received_events", "type": "User", "site_admin":	-

Create a GitHub App from a manifest &

Use this endpoint to complete the handshake necessary when implementing the <u>GitHub App Manifest flow</u>. When you create a GitHub App with the manifest flow, you receive a temporary code used to retrieve the GitHub App's id, pem (private key), and $webhook_secret$.

Parameters for "Create a GitHub App from a manifest"

Headers

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

Path parameters

code string Required

HTTP response status codes for "Create a GitHub App from a manifest"

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

Code samples for "Create a GitHub App from a manifest"



Response

Example response Response schema
Status: 201

{ "id": 1, "slug": "octoapp", "node_id": "MDXOkludGVncmF0aM9uMQ==", "owner": { "login": "github", "id": 1, "node_id": "MDEY0K9yZ2FuaXphdGlvbjE=", "url": "https://HOSTNAME/orgs/github", "repos_url" \nMIIEowIBAAKCAQEAuEPz0UE+k1EH1WLiMeBytTEF856j0hOVcSUSUkZxKvqczkMM\n9vo1gDyC7ZXhdH9fKh32aapba3RSsp4ke+gi5mYTk2mGR538Sh5Dxh00gpJmjiKP\nX0Bj4j5sFqfXuCtl9SkH4iueivv4R53ktqM+n6hk98l6hRwC39GVIblah2lEM4L----END RSA PRIVATE KEY----\n" }

List installation requests for the authenticated app \mathcal{P}

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Lists all the pending installation requests for the authenticated GitHub App.

Parameters for "List installation requests for the authenticated app"

Headers

accept string

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

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 installation requests for the authenticated app"

Status code	Description
200	List of integration installation requests
304	Not modified
401	Requires authentication

Code samples for "List installation requests for the authenticated app"



List of integration installation requests

List installations for the authenticated app @

Works with <u>GitHub Apps</u>

You must use a JWT to access this endpoint.

The permissions the installation has are included under the permissions key.

Parameters for "List installations for the authenticated app"

Headers

accept string

Setting to application/vnd.github+json is recommended

Ouery 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

since string

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

outdated string

HTTP response status codes for "List installations for the authenticated app"

Status code Description 200 The permissions the installation has are included under the permissions key.

Code samples for "List installations for the authenticated app"



The permissions the installation has are included under the permissions key.

Example response Response schema

Status: 200

[{ "id": 1, "account": { "login": "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://github.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat/followers", "following_url": "https://HOSTNAME/users/octocat/followers", "following_url": "https://HOSTNAME/users/octocat/following/other_user)", "gists_url": "https://HOSTNAME/users/octocat/gists/qist_id)", "starred_url": "https://HOSTNAME/users/octocat/subscriptions", "organizations_url": "https://HOSTNAME/users/octocat/subscriptions", "organizations_url": "https://HOSTNAME/users/octocat/cpos", "events_url": "https://HOSTNAME/users/octocat/events{/privacy}", "received_events_url": "https://HOSTNAME/users/octocat/received_events", "type": "User", "site_admin": false }, "access_tokens_url":

Get an installation for the authenticated app &

✓ Works with <u>GitHub Apps</u>

Enables an authenticated GitHub App to find an installation's information using the installation id.

You must use a $\underline{\text{JWT}}$ to access this endpoint.

Parameters for "Get an installation for the authenticated app"

Headers

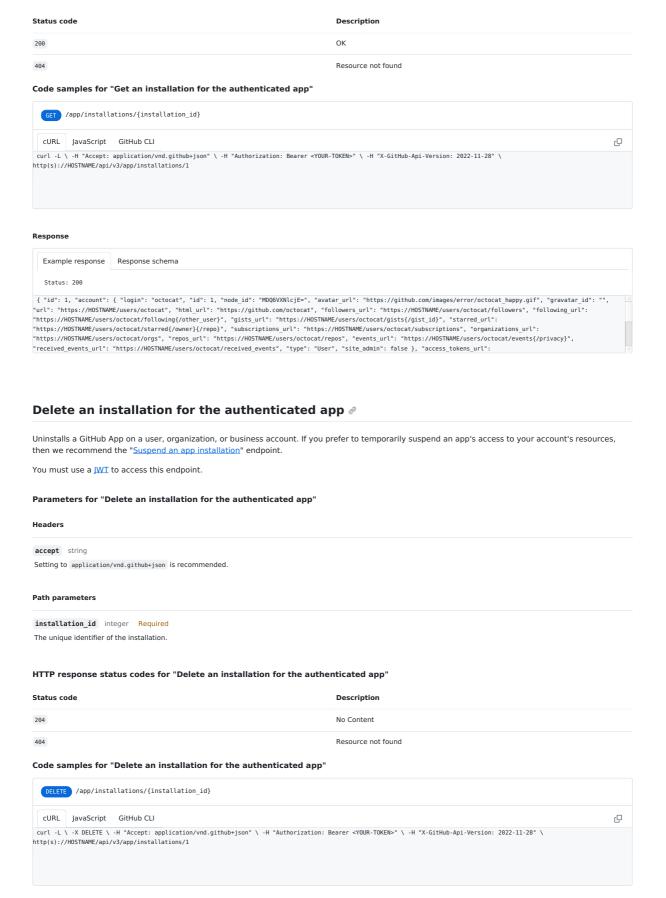
accept string

Setting to application/vnd.github+json is recommended

Path parameters

installation_id integer Required

The unique identifier of the installation.



Response

Status: 204

Create an installation access token for an app &

Works with GitHub Apps

Creates an installation access token that enables a GitHub App to make authenticated API requests for the app's installation on an organization or individual account. Installation tokens expire one hour from the time you create them. Using an expired token produces a status code of 401 - Unauthorized, and requires creating a new installation token. By default the installation token has access to all repositories that the installation can access. To restrict the access to specific repositories, you can provide the repository_ids when creating the token. When you omit repository_ids, the response does not contain the repositories key.

You must use a JWT to access this endpoint.

Parameters for "Create an installation access token for an app"

Headers

accept string

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

Path parameters

installation_id integer Required

The unique identifier of the installation.

Body parameters

repositories array of strings

List of repository names that the token should have access to

repository ids array of integers

List of repository IDs that the token should have access to

permissions object

The permissions granted to the user access token.

▶ Properties of permissions

HTTP response status codes for "Create an installation access token for an app"

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

Code samples for "Create an installation access token for an app"



Response

Example response Response schema

Status: 201

{ "token": "ghs_16C7e42F292c6912E7710c838347Ae178B4a", "expires_at": "2016-07-11T22:14:10Z", "permissions": { "issues": "write", "contents": "read" },
"repository_selection": "selected", "repositories": [{ "id": 1296269, "node_id": "MDEw0l]lc69zaXRvcnkxMjkZMjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDEW0llc69zaXRvcnkxMjkZMjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "MDEW0llc69zaXRvcnkxMjkZMjY5", "name": "Hello-World", "full_name": "octocat/Hello-World", "owner": { "login": "octocat", "id": 1, "node_id": "NDEV0XILcjE=", "avatar_url": "https://HOSTNAME/users/octocatf, "pravatar_id": "", "url": "https://HOSTNAME/users/octocat/following/(other_user)", "gists_url": "https://HOSTNAME/users/octocat/subscriptions", "organizations_url": "https://

Suspend an app installation &

Suspends a GitHub App on a user, organization, or business account, which blocks the app from accessing the account's resources. When a GitHub App is suspended, the app's access to the GitHub Enterprise Server API or webhook events is blocked for that account.

You must use a JWT to access this endpoint.

Parameters for "Suspend an app installation"

Headers

accept string

Setting to application/vnd.github+json is recommended

Path parameters

installation_id integer Required

HTTP response status codes for "Suspend an app installation"

Status code	Description
204	No Content
404	Resource not found

Code samples for "Suspend an app installation"



Response

Status: 204

Unsuspend an app installation &

Removes a GitHub App installation suspension.

You must use a JWT to access this endpoint.

Parameters for "Unsuspend an app installation"

Headers

accept string

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

Path parameters

installation_id integer Required

The unique identifier of the installation.

HTTP response status codes for "Unsuspend an app installation"

Status code	Description
204	No Content
404	Resource not found

Code samples for "Unsuspend an app installation"



Response

Status: 204

Create a scoped access token @

Use a non-scoped user access token to create a repository scoped and/or permission scoped user access token. You can specify which repositories the token can access and which permissions are granted to the token. You must use Basic Authentication when accessing this endpoint, using the client_id and client_secret of the GitHub App as the username and password. Invalid tokens will return 404 NOT FOUND.

Parameters for "Create a scoped access token"

Headers

accept string

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

Path parameters

client_id string Required

The client ID of the GitHub app.

Body parameters

access_token string Required

The access token used to authenticate to the GitHub API.

target string

The name of the user or organization to scope the user access token to. **Required** unless $target_id$ is specified.

target_id integer

The ID of the user or organization to scope the user access token to. Required unless target is specified.

repositories array of strings

The list of repository names to scope the user access token to. repositories may not be specified if repository_ids is specified.

repository_ids array of integers

The list of repository IDs to scope the user access token to. repository_ids may not be specified if repositories is specified.

permissions object

The permissions granted to the user access token.

▶ Properties of permissions

HTTP response status codes for "Create a scoped access token"

Status code	Description
200	ОК
401	Requires authentication
403	Forbidden
404	Resource not found
477	Validation failed or the endpoint has been snammed

Code samples for "Create a scoped access token"



curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-Github-Api-Version: 2022-11-28" \ http(s)://HOSTNAME/api/v3/applications/Iv1.8a61f9b3a7aba766/token/scoped \ -d '{"access_token":"e72e16c7e42f292c6912e7710c838347ae178b4a","target":"octocat","permissions": {"metadata":"read","issues":"write","contents":"read"}}'

Response

Example response Response schema

Status: 200

{ "id": 1, "url": "https://HOSTNAME/authorizations/1", "scopes": [], "token": "ghu_16C7e42F292c6912E7710c838347Ae17884a", "token_last_eight": "Ae17884a", "hashed_token": "25F94a2a5c7fbaf499c665bc73d67c1c87e496da8985131633ee0a95819db2e8", "app": { "url": "http://my-github-app.com", "name": "my github app", "client_id":

"IV1.8a61F9b3a7aba766" }, "note": "optional note", "note_url": "http://optional/note/url", "updated_at": "2011-09-06T120:39:232", "created_at": "2011-09-06T17:26:272", "fingerprint": "jklmnop12345678", "expires_at": "2011-09-08T17:26:272", "user": { "login: "octocat", "id": 1, "node_id": "MDQ6VXNlcjE=", "avatar_url": "https://djithub.com/images/error/octocat_happy.gif", "gravatar_id": "", ""l": "https://HOSTNAME/users/octocat", "html_url": "https://djithub.com/cotocat", "followers_url": "https://HOSTNAME/users/octocat/following{/other_user}", "gists_url":

Get an app &

Works with <u>GitHub Apps</u>

Note: The :app_slug is just the URL-friendly name of your GitHub App. You can find this on the settings page for your GitHub App (e.g., https://github.com/settings/apps/:app_slug).

If the GitHub App you specify is public, you can access this endpoint without authenticating. If the GitHub App you specify is private, you must authenticate with a <u>personal access token</u> or an <u>installation access token</u> to access this endpoint.

Parameters for "Get an app"

Headers

Path parameters

app slug string Required

HTTP response status codes for "Get an app"

Status code	Description
200	ОК
403	Forbidden
404	Resource not found

Code samples for "Get an app"



Response

Example response Response schema

Status: 200

{ "id": 1, "slug": "octoapp", "node_id": "MDExOkludGVncmF0aW9uMQ==", "owner": { "login": "octocat", "id": 1, "node_id": "MD06VXNlcjE=", "avatar_url": "https://jithub.com/images/error/octocat_happy.gif", "gravatar_id": "", "url": "https://HOSTNAME/users/octocat/, "html_url": "https://jithub.com/octocat", "followers_url": "https://HOSTNAME/users/octocat/following{/other_user}," gists_url": "https://HOSTNAME/users/octocat/following.url": "https://HOSTNAME/users/octocat/following.url": "https://HOSTNAME/users/octocat/starred[/owner]." gists_url": "https://HOSTNAME/users/octocat/starred[/owner]." "events_url": "https://HOSTNAME/users/octocat/received_events", "type": "User", "site_admin": "https://HOSTNAME/users/oc

Get an organization installation for the authenticated app &

Enables an authenticated GitHub App to find the organization's installation information.

You must use a $\underline{\text{JWT}}$ to access this endpoint.

Parameters for "Get an organization installation for the authenticated app"

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 "Get an organization installation for the authenticated app"

Status code	Description
200	OK

Code samples for "Get an organization installation for the authenticated app"



Response

Example response Response schema
Status: 200

{ "id": 1, "account": { "login": "github", "id": 1, "node_id": "MDEyOk9yZ2FuaXphdGlvbjE=", "avatar_url": "https://github.com/images/error/hubot_happy.gif",
"gravatar_id": "", "url": "https://HOSTNAME/orgs/github", "html_url": "https://github.com/github", "followers_url": "https://HOSTNAME/users/github/followers",
"following_url": "https://HOSTNAME/users/github/following{/other_user}, "gists_url": "https://HOSTNAME/users/github/gists/gist_id}", "starred_url":
"https://HOSTNAME/users/github/starred/owner}{/repo}", "subscriptions_url": "https://HOSTNAME/users/github/subscriptions", "organizations_url":
"https://HOSTNAME/users/github/orgs", "repos_url": "https://HOSTNAME/orgs/github/regos/

Get a repository installation for the authenticated app &

Enables an authenticated GitHub App to find the repository's installation information. The installation's account type will be either an organization or a user account, depending which account the repository belongs to.

You must use a JWT to access this endpoint.

Parameters for "Get a repository installation for the authenticated app"

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 "Get a repository installation for the authenticated app"

Status code	Description
200	ОК
301	Moved permanently
ADA	Pesaurce not found

Code samples for "Get a repository installation for the authenticated app"



Response

Example response Response schema

Status: 200

{ "id": 1, "account": { "login": "github", "id": 1, "node_id": "MDEyOk9yZZFuaXphdGlvbjE=", "avatar_url": "https://github.com/images/error/hubot_happy.gif",

"gravatar_id": "", "url": "https://HOSTNAME/orgs/github/followers",

"following_url": "https://HOSTNAME/users/github/following{/other_user}", "gists_url": "https://HOSTNAME/users/github/gists{/gist_id}", "starred_url":

"https://HOSTNAME/users/github/starred{/owner}{{repo}}", "subscriptions_url": "https://HOSTNAME/users/github/gras/github/g

Get a user installation for the authenticated app $\ensuremath{\mathscr{E}}$

Enables an authenticated GitHub App to find the user's installation information.

You must use a JWT to access this endpoint.

Parameters for "Get a user installation for the authenticated app"

Headers

accept string

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

Path parameters

username string Required

The handle for the GitHub user account

HTTP response status codes for "Get a user installation for the authenticated app"

Status code Description
200 OK

Code samples for "Get a user installation for the authenticated app"



Response

Example response Response schema

Status: 200

{ "id": 1, "account": { "login": "github", "id": 1, "node_id": "MDEy0k9yZ2FuaXphdGlvbjE=", "avatar_url": "https://github.com/images/error/hubot_happy.gif",
"gravatar_id": "", "url": "https://HOSTNAME/orgs/github", "html url": "https://github.com/github", "followers_url": "https://HOSTNAME/users/github/followers",
"following_url": "https://HOSTNAME/users/github/following{/other_user}/, "gists_url": "https://HOSTNAME/users/github/gists{gist_id}", "starred_url":
"https://HOSTNAME/users/github/starred/owner}{/ repop_", "subscriptions_url": "https://HOSTNAME/users/github/subscriptions", "organizations_url":
"https://HOSTNAME/users/github/orgs", "repos_url": "https://HOSTNAME/orgs/github/repos", "events_url": "https://HOSTNAME/orgs/github/recoived_events", "received_events_url":
"https://HOSTNAME/users/github/received_events", "type": "Organization", "site_admin": false }, "repository_selection": "all", "access_tokens_url":

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