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

Codespaces

Use the REST API to manage GitHub Codespaces.

About GitHub Codespaces 🔗

You can manage Codespaces using the REST API. These endpoints are available for authenticated users, OAuth apps, and GitHub Apps. For more information, see "GitHub Codespaces documentation."

List codespaces in a repository for the authenticated user 🔗

Lists the codespaces associated to a specified repository and the authenticated user.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have read access to the `codespaces` repository permission to use this endpoint.

Parameters for "List codespaces in a repository 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

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 codespaces in a repository for the authenticated user"

Status code	Description
200	OK
401	Requires authentication
403	Forbidden
404	Resource not found
500	Internal Error

Code samples for "List codespaces in a repository for the authenticated user"

GET `/repos/{owner}/{repo}/codespaces`

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/repos/OWNER/REPO/codespaces
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 2, "codespaces": [ { "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": { "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":
```

Create a codespace in a repository 🔗

Creates a codespace owned by the authenticated user in the specified repository.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces` repository permission to use this endpoint.

Parameters for "Create a codespace in a repository"

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

`ref` string

Git ref (typically a branch name) for this codespace

`location` string

The requested location for a new codespace. Best efforts are made to respect this upon creation. Assigned by IP if not provided.

`geo` string

The geographic area for this codespace. If not specified, the value is assigned by IP. This property replaces `location`, which is being deprecated.

Can be one of: `EuropeWest`, `SoutheastAsia`, `UsEast`, `UsWest`

`client_ip` string

IP for location auto-detection when proxying a request

`machine` string

Machine type to use for this codespace

`devcontainer_path` string

Path to devcontainer.json config to use for this codespace

`multi_repo_permissions_opt_out` boolean

Whether to authorize requested permissions from devcontainer.json

---

`working_directory` string

Working directory for this codespace

`idle_timeout_minutes` integer

Time in minutes before codespace stops from inactivity

`display_name` string

Display name for this codespace

`retention_period_minutes` integer

Duration in minutes after codespace has gone idle in which it will be deleted. Must be integer minutes between 0 and 43200 (30 days).

HTTP response status codes for "Create a codespace in a repository"

Status code	Description
201	Response when the codespace was successfully created
202	Response when the codespace creation partially failed but is being retried in the background
400	Bad Request
401	Requires authentication
403	Forbidden
404	Resource not found
503	Service unavailable

Code samples for "Create a codespace in a repository"

Example 1: Status Code 201 ⇕

POST /repos/{owner}/{repo}/codespaces

cURL   JavaScript   GitHub CLI

```
curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version:
2022-11-28" \ https://api.github.com/repos/OWNER/REPO/codespaces \ -d '{"ref":"main","machine":"standardLinux32gb"}'
```

Response when the codespace was successfully created

Example response   Response schema

Status: 201

```
{ "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": {
"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":
```

List devcontainer configurations in a repository for the authenticated user 🔗

✔ Works with [GitHub Apps](#)

Lists the devcontainer.json files associated with a specified repository and the authenticated user. These files specify launchpoint configurations for codespaces created within the repository.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have read access to the `codespaces_metadata` repository permission to use this endpoint.

Parameters for "List devcontainer configurations in a repository 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

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 devcontainer configurations in a repository for the authenticated user"

Status code	Description
`200`	OK
`400`	Bad Request
`401`	Requires authentication
`403`	Forbidden
`404`	Resource not found
`500`	Internal Error

Code samples for "List devcontainer configurations in a repository for the authenticated user"
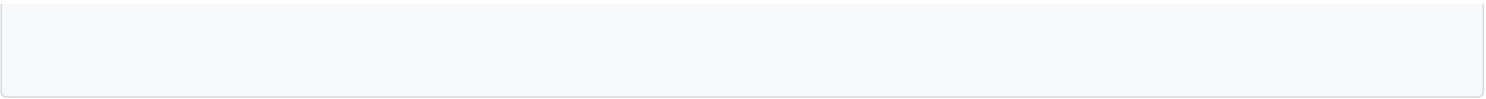
GET `/repos/{owner}/{repo}/codespaces/devcontainers`

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/repos/OWNER/REPO/codespaces/devcontainers
```

Response

Example response   Response schema

Status: 200

{ "devcontainers": [{ "path": ".devcontainer/foobar/devcontainer.json", "name": "foobar", "display_name": "foobar" }, { "path": ".devcontainer/devcontainer.json", "name": "kitchensink", "display_name": "kitchensink" }, { "path": ".devcontainer.json", "display_name": "Default project configuration" }], "total_count": 3 }

Get default attributes for a codespace 🔗

✓ Works with [GitHub Apps](#)

Gets the default attributes for codespaces created by the user with the repository.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces` repository permission to use this endpoint.

Parameters for "Get default attributes for a codespace"

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

`ref`   string

The branch or commit to check for a default devcontainer path. If not specified, the default branch will be checked.

`client_ip`   string

An alternative IP for default location auto-detection, such as when proxying a request.

HTTP response status codes for "Get default attributes for a codespace"

Status code	Description
200	Response when a user is able to create codespaces from the repository.
401	Requires authentication
403	Forbidden
404	Resource not found

Code samples for "Get default attributes for a codespace"

`GET` `/repos/{owner}/{repo}/codespaces/new`

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/repos/OWNER/REPO/codespaces/new
```

Response when a user is able to create codespaces from the repository.

Example response   Response schema

Status: 200

{ "billable_owner": { "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",

Check if permissions defined by a devcontainer have been accepted by the authenticated user 🔗

✔ Works with [GitHub Apps](#)

Checks whether the permissions defined by a given devcontainer configuration have been accepted by the authenticated user.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces` repository permission to use this endpoint.

Parameters for "Check if permissions defined by a devcontainer have been accepted by 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

ref string Required

The git reference that points to the location of the devcontainer configuration to use for the permission check. The value of `ref` will typically be a branch name (`heads/BRANCH_NAME`). For more information, see "[Git References](#)" in the Git documentation.

devcontainer_path string Required

Path to the devcontainer.json configuration to use for the permission check.

HTTP response status codes for "Check if permissions defined by a devcontainer have been accepted by the authenticated user"

Status code	Description
200	Response when the permission check is successful
401	Requires authentication
403	Forbidden
404	Resource not found
422	Validation failed, or the endpoint has been spammed.
503	Service unavailable

Code samples for "Check if permissions defined by a devcontainer have been accepted by the authenticated user"

GET /repos/{owner}/{repo}/codespaces/permissions_check

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/repos/OWNER/REPO/codespaces/permissions_check?ref=REF&devcontainer_path=DEVCONTAINER_PATH"
```

Response when the permission check is successful

Example response   Response schema

```
   Status: 200
```

```
{ "accepted": true }
```

Create a codespace from a pull request 🔗

Creates a codespace owned by the authenticated user for the specified pull request.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces` repository permission to use this endpoint.

Parameters for "Create a codespace from a pull request"

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.

pull_number   integer   Required

The number that identifies the pull request.

Body parameters

location   string

The requested location for a new codespace. Best efforts are made to respect this upon creation. Assigned by IP if not provided.

geo   string

The geographic area for this codespace. If not specified, the value is assigned by IP. This property replaces `location`, which is being deprecated.

Can be one of: `EuropeWest`, `SoutheastAsia`, `UsEast`, `UsWest`

client_ip   string

IP for location auto-detection when proxying a request

machine   string

Machine type to use for this codespace

Machine type to use for this codespace

---

devcontainer_path string

Path to devcontainer.json config to use for this codespace

---

multi_repo_permissions_opt_out boolean

Whether to authorize requested permissions from devcontainer.json

---

working_directory string

Working directory for this codespace

---

idle_timeout_minutes integer

Time in minutes before codespace stops from inactivity

---

display_name string

Display name for this codespace

---

retention_period_minutes integer

Duration in minutes after codespace has gone idle in which it will be deleted. Must be integer minutes between 0 and 43200 (30 days).

HTTP response status codes for "Create a codespace from a pull request"

Status code	Description
201	Response when the codespace was successfully created
202	Response when the codespace creation partially failed but is being retried in the background
401	Requires authentication
403	Forbidden
404	Resource not found
503	Service unavailable

Code samples for "Create a codespace from a pull request"

Example 1: Status Code 201 ⇕

POST /repos/{owner}/{repo}/pulls/{pull_number}/codespaces

cURL   JavaScript   GitHub CLI

```
curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version:
2022-11-28" \ https://api.github.com/repos/OWNER/REPO/pulls/PULL_NUMBER/codespaces \ -d '{"repository_id":1,"ref":"main"}'
```

Response when the codespace was successfully created

Example response   Response schema

Example response | Response schema

```
Status: 201
```

{ "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": {
"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":

List codespaces for the authenticated user 🔗

Lists the authenticated user's codespaces.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have read access to the `codespaces` repository permission to use this endpoint.

Parameters for "List codespaces for the authenticated user"

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`

`repository_id`   integer

ID of the Repository to filter on

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

Status code	Description
200	OK
304	Not modified
401	Requires authentication
403	Forbidden
404	Resource not found
500	Internal Error

Code samples for "List codespaces for the authenticated user"

GET	/user/codespaces

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/user/codespaces
```

Response

Example response	Response schema

Status: 200

```
{ "total_count": 3, "codespaces": [ { "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-
7299-4a73-b978-5a92a7ae98a0", "owner": { "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":
```

Create a codespace for the authenticated user 🔗

Creates a new codespace, owned by the authenticated user.

This endpoint requires either a `repository_id` OR a `pull_request` but not both.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces` repository permission to use this endpoint.

Parameters for "Create a codespace for the authenticated user"

Headers

`accept` string

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

Body parameters

`repository_id` integer   Required

Repository id for this codespace

`ref` string

Git ref (typically a branch name) for this codespace

`location` string

The requested location for a new codespace. Best efforts are made to respect this upon creation. Assigned by IP if not provided.

geo string

The geographic area for this codespace. If not specified, the value is assigned by IP. This property replaces `location`, which is being deprecated.

Can be one of: `EuropeWest`, `SoutheastAsia`, `UsEast`, `UsWest`

client_ip string

IP for location auto-detection when proxying a request

machine string

Machine type to use for this codespace

devcontainer_path string

Path to devcontainer.json config to use for this codespace

multi_repo_permissions_opt_out boolean

Whether to authorize requested permissions from devcontainer.json

working_directory string

Working directory for this codespace

idle_timeout_minutes integer

Time in minutes before codespace stops from inactivity

display_name string

Display name for this codespace

retention_period_minutes integer

Duration in minutes after codespace has gone idle in which it will be deleted. Must be integer minutes between 0 and 43200 (30 days).

pull_request object Required

Pull request number for this codespace

▶ Properties of `pull_request`

HTTP response status codes for "Create a codespace for the authenticated user"

Status code	Description
201	Response when the codespace was successfully created
202	Response when the codespace creation partially failed but is being retried in the background
401	Requires authentication
403	Forbidden
404	Resource not found
503	Service unavailable

Code samples for "Create a codespace for the authenticated user"

Example 1: Status Code 201 ⇕

POST	/user/codespaces

cURL   JavaScript   GitHub CLI

```
curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version:
2022-11-28" \ https://api.github.com/user/codespaces \ -d '{"repository_id":1,"ref":"main","geo":"UsWest"}'
```

Response when the codespace was successfully created

Example response   Response schema

Status: 201

```
{ "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": {
"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":
```

Get a codespace for the authenticated user 🔗

Gets information about a user's codespace.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have read access to the `codespaces` repository permission to use this endpoint.

Parameters for "Get a codespace for the authenticated user"

Headers

---

accept   string

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

Path parameters

---

codespace_name   string   Required

The name of the codespace.

HTTP response status codes for "Get a codespace for the authenticated user"

Status code	Description

200	OK
304	Not modified
401	Requires authentication
403	Forbidden
404	Resource not found
500	Internal Error

Code samples for "Get a codespace for the authenticated user"

GET `/user/codespaces/{codespace_name}`

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/user/codespaces/CODESPACE_NAME
```

Response

Example response   Response schema

Status: 200

```
{ "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": {
"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":
```

Update a codespace for the authenticated user 🔗

Updates a codespace owned by the authenticated user. Currently only the codespace's machine type and recent folders can be modified using this endpoint.

If you specify a new machine type it will be applied the next time your codespace is started.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces` repository permission to use this endpoint.

Parameters for "Update a codespace for the authenticated user"

Headers

accept   string

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

Path parameters

codespace_name string Required

The name of the codespace.

Body parameters

machine string

A valid machine to transition this codespace to.

display_name string

Display name for this codespace

recent_folders array of strings

Recently opened folders inside the codespace. It is currently used by the clients to determine the folder path to load the codespace in.

HTTP response status codes for "Update a codespace for the authenticated user"

Status code	Description
200	OK
401	Requires authentication
403	Forbidden
404	Resource not found

Code samples for "Update a codespace for the authenticated user"

`PATCH` /user/codespaces/{codespace_name}

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/user/codespaces/CODESPACE_NAME \ -d '{"machine":"standardLinux"}'
```

Response

Example response   Response schema

Status: 200

```
{ "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": {
"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":
```

Delete a codespace for the authenticated user 🔗

Deletes a user's codespace.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces` repository permission to use this endpoint.

Parameters for "Delete a codespace for the authenticated user"

Headers

`accept` string	

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

Path parameters

`codespace_name` string Required	

The name of the codespace.

HTTP response status codes for "Delete a codespace for the authenticated user"

Status code	Description
202	Accepted
304	Not modified
401	Requires authentication
403	Forbidden
404	Resource not found
500	Internal Error

Code samples for "Delete a codespace for the authenticated user"

DELETE `/user/codespaces/{codespace_name}`

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/user/codespaces/CODESPACE_NAME
```

Accepted

Example response   Response schema

```
Status: 202
```

Export a codespace for the authenticated user 🔗

Triggers an export of the specified codespace and returns a URL and ID where the status of the export can be monitored.

If changes cannot be pushed to the codespace's repository, they will be pushed to a new or previously-existing fork instead.

You must authenticate using a personal access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces_lifecycle_admin` repository permission to use this endpoint.

Parameters for "Export a codespace for the authenticated user"

Headers

`accept` string

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

Path parameters

`codespace_name` string Required

The name of the codespace.

HTTP response status codes for "Export a codespace for the authenticated user"

Status code	Description
202	Accepted
401	Requires authentication
403	Forbidden
404	Resource not found
422	Validation failed, or the endpoint has been spammed.
500	Internal Error

Code samples for "Export a codespace for the authenticated user"

POST /user/codespaces/{codespace_name}/exports

cURL   JavaScript   GitHub CLI

```
curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version:
2022-11-28" \ https://api.github.com/user/codespaces/CODESPACE_NAME/exports
```

Response

Example response | Response schema

```
Status: 202
```

{ "state": "succeeded", "completed_at": "2022-01-01T14:59:22Z", "branch": "codespace-monalisa-octocat-hello-world-g4wpq6h95q",
"sha": "fd95a81ca01e48ede9f39c799ecbcef817b8a3b2", "id": "latest", "export_url":
"https://api.github.com/user/codespaces/:name/exports/latest" }

Get details about a codespace export 🔗

Gets information about an export of a codespace.

You must authenticate using a personal access token with the `codespace` scope to use this endpoint.

GitHub Apps must have read access to the `codespaces_lifecycle_admin` repository permission to use this endpoint.

Parameters for "Get details about a codespace export"

Headers

`accept` string

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

Path parameters

`codespace_name` string Required

The name of the codespace.

`export_id` string Required

The ID of the export operation, or `latest`. Currently only `latest` is currently supported.

HTTP response status codes for "Get details about a codespace export"

Status code	Description
200	OK
404	Resource not found

Code samples for "Get details about a codespace export"

GET /user/codespaces/{codespace_name}/exports/{export_id}

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/user/codespaces/CODESPACE_NAME/exports/EXPORT_ID
```

Response

Example response   Response schema

```
Status: 200
```

```
{ "state": "succeeded", "completed_at": "2022-01-01T14:59:22Z", "branch": "codespace-monalisa-octocat-hello-world-g4wpq6h95q",
"sha": "fd95a81ca01e48ede9f39c799ecbcef817b8a3b2", "id": "latest", "export_url":
"https://api.github.com/user/codespaces/:name/exports/latest" }
```

Create a repository from an unpublished codespace 🔗

Publishes an unpublished codespace, creating a new repository and assigning it to the codespace.

The codespace's token is granted write permissions to the repository, allowing the user to push their changes.

This will fail for a codespace that is already published, meaning it has an associated repository.

You must authenticate using a personal access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces` repository permission to use this endpoint.

Parameters for "Create a repository from an unpublished codespace"

Headers

`accept`   string

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

Path parameters

`codespace_name`   string   Required
The name of the codespace.

Body parameters

`name`   string

A name for the new repository.

`private`   boolean

Whether the new repository should be private.

Default: `false`

HTTP response status codes for "Create a repository from an unpublished codespace"

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 a repository from an unpublished codespace"

`POST` /user/codespaces/{codespace_name}/publish

cURL   JavaScript   GitHub CLI

```
curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version:
2022-11-28" \ https://api.github.com/user/codespaces/CODESPACE_NAME/publish \ -d '{"repository":"monalisa-octocat-hello-world-
g4wpq6h95q","private":false}'
```

Response

Example response   Response schema

Status: 201

```
{ "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": {
"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":
```

Start a codespace for the authenticated user 🔗

Starts a user's codespace.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces_lifecycle_admin` repository permission to use this endpoint.

Parameters for "Start a codespace for the authenticated user"

Headers

accept   string

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

Path parameters

codespace_name   string   Required

codespace_name string Required

The name of the codespace.

HTTP response status codes for "Start a codespace for the authenticated user"

Status code	Description
200	OK
304	Not modified
400	Bad Request
401	Requires authentication
402	Payment required
403	Forbidden
404	Resource not found
409	Conflict
500	Internal Error

Code samples for "Start a codespace for the authenticated user"

POST /user/codespaces/{codespace_name}/start

cURL   JavaScript   GitHub CLI

```
curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version:
2022-11-28" \ https://api.github.com/user/codespaces/CODESPACE_NAME/start
```

Response

Example response   Response schema

Status: 200

```
{ "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": {
"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":
```

Stop a codespace for the authenticated user 🔗

Stops a user's codespace.

You must authenticate using an access token with the `codespace` scope to use this endpoint.

GitHub Apps must have write access to the `codespaces_lifecycle_admin` repository permission to use this endpoint.

Parameters for "Stop a codespace for the authenticated user"

Headers

accept string	

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

Path parameters

codespace_name string Required	

The name of the codespace.

HTTP response status codes for "Stop a codespace for the authenticated user"

Status code	Description
200	OK
401	Requires authentication
403	Forbidden
404	Resource not found
500	Internal Error

Code samples for "Stop a codespace for the authenticated user"

POST /user/codespaces/{codespace_name}/stop

cURL   JavaScript   GitHub CLI

```
curl -L \ -X POST \ -H "Accept: application/vnd.github+json" \ -H "Authorization: Bearer <YOUR-TOKEN>" \ -H "X-GitHub-Api-Version:
2022-11-28" \ https://api.github.com/user/codespaces/CODESPACE_NAME/stop
```

Response

Example response   Response schema

Status: 200

```
{ "id": 1, "name": "monalisa-octocat-hello-world-g4wpq6h95q", "environment_id": "26a7c758-7299-4a73-b978-5a92a7ae98a0", "owner": {
"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":
```

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