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

Codespaces machines

Use the REST API to manage availability of machine types for a codespace.

About Codespaces machines 🔗

You can determine which machine types are available to create a codespace, either on a given repository or as an authenticated user. For more information, see "Changing the machine type for your codespace."

You can also use this information when changing the machine of an existing codespace by updating its `machine` property. The machine update will take place the next time the codespace is restarted. For more information, see "Changing the machine type for your codespace."

List available machine types for a repository 🔗

✓ Works with GitHub Apps

List the machine types available for a given repository based on its configuration.

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

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

Parameters for "List available machine types for 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.

Query parameters

`location` string	

The location to check for available machines. Assigned by IP if not provided.

client_ip string

IP for location auto-detection when proxying a request

---

ref string

The branch or commit to check for prebuild availability and devcontainer restrictions.

HTTP response status codes for "List available machine types for a repository"

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

Code samples for "List available machine types for a repository"

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

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/machines
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 2, "machines": [ { "name": "standardLinux", "display_name": "4 cores, 16 GB RAM, 64 GB storage",
"operating_system": "linux", "storage_in_bytes": 68719476736, "memory_in_bytes": 17179869184, "cpus": 4 }, { "name": "premiumLinux",
"display_name": "8 cores, 32 GB RAM, 64 GB storage", "operating_system": "linux", "storage_in_bytes": 68719476736, "memory_in_bytes":
34359738368, "cpus": 8 } ] }
```

List machine types for a codespace 🔗

List the machine types a codespace can transition to use.

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 machine types for a codespace"

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 "List machine types for a codespace"

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

Code samples for "List machine types for a codespace"

GET /user/codespaces/{codespace_name}/machines

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/machines
```

Response

Example response   Response schema

Status: 200

```
{ "total_count": 2, "machines": [ { "name": "standardLinux", "display_name": "4 cores, 16 GB RAM, 64 GB storage",
"operating_system": "linux", "storage_in_bytes": 68719476736, "memory_in_bytes": 17179869184, "cpus": 4 }, { "name": "premiumLinux",
"display_name": "8 cores, 32 GB RAM, 64 GB storage", "operating_system": "linux", "storage_in_bytes": 68719476736, "memory_in_bytes":
34359738368, "cpus": 8 } ] }
```

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